

Submersible Motor Pump

Amarex

60 Hz
Sizes DN 50 to DN 150
Motors:
2 Poles: 018 to 084
4 Poles: 009 to 077

Type Series Booklet



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Type Series Booklet Amarex

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Waste Water

Submersible Motor Pump

Amarex



Main applications

- Waste water transport
- Waste water management
- Drainage systems
- Waste water treatment plants
- Storm water transport
- Recirculation
- Sludge treatment

Fluids handled

- Service water
- Gray water
- Sewage containing feces
- Waste water containing long fibers and solid substances
- Fluids containing gas
- Activated sludge
- Digested sludge
- Raw sludge

Designation

Table 2: Designation example

Position																																				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
A	R	X		D	1	0	0	-	2	3	0	/	0	6	5	F	4	U	S	G		-	2	2	0	/	0	0	0	0	0	0	X	1	0	0
See name plate and data sheet																										See data sheet										

Further information on fluids handled

Overview of fluids handled

Operating data

Table 1: Operating properties

Characteristic	Value	
Flow rate	Q [m³/h]	≤ 320
	Q [l/s]	≤ 89
	Q [US.gpm]	≤ 1409
Head	H [m]	≤ 42
	H [ft]	≤ 137,8
Fluid temperature	T [°C]	≤ +40
	T [°F]	≤ +104
Motor rating	P ₂ [kW]	1,24- 8,4
	P ₂ [hp]	1,7 - 11,3

Design details

Design

- Fully floodable submersible motor pump
- Not self-priming
- Close-coupled design

Drive

- Three-phase asynchronous squirrel-cage motor in acc. with thermal class H
- Type of protection Ex db IIB (applies to explosion-proof pump sets only)
- Enclosure IP68 to EN 60529 / IEC 529

Shaft seal

- Two bi-directional mechanical seals in tandem arrangement, with liquid reservoir

Impeller type

- Various application-oriented impeller types

Bearings

Motor-end bearings:

- Grease-packed bearings sealed for life
- Maintenance-free

Pump-end bearings:

- Grease-packed bearings sealed for life
- Maintenance-free
- Reinforced bearings¹⁾

¹ Standard for impeller type D-max, optional for impeller type F-max

Table 3: Designation key

Position	Code	Description
1-3	Pump type	
	ARX	Amarex
5	Impeller type	
	D-max	Open two-vane impeller
	F-max	Free-flow impeller
6-12	Size	
	100	Nominal discharge nozzle diameter [mm]
	230	Size of hydraulic system
14-16	Motor rating P _N [kW]	
	009	0,9
	...	...
	084	8,40
17	Efficiency class ²⁾	
	C	IE3
	F	None
18	Number of motor poles	
	2	2 poles
	4	4 poles
19	Motor version	
	U	Non-explosion-proof, standard
	Y	Explosion-proof
20	Motor construction type	
	S	Wet installation
21-22	Material variant	
	G	Standard variant, gray cast iron ³⁾
	G1	Standard variant gray cast iron, impeller made of duplex stainless steel
	G2	Standard variant gray cast iron, impeller made of white cast iron
	GH	Standard variant gray cast iron, impeller and discharge cover made of white cast iron
24-26	Nominal impeller diameter [mm]	
	090	90
	...	...
	220	220
28-36	00000X100	Additional design code

Materials

Table 4: Overview of available materials

Part number (⇒ Page 137)	Description	Design	Material variant			
			G	G1 ⁴⁾	G2	GH
Pump set						
100	Casing		EN GJL-250			
160	Cover (motor)		EN GJL-250			
162	Suction cover	Standard	EN GJL-250			EN GJL-250 ⁴⁾
		With D-flector ⁵⁾	EN GJS-600-3	-	EN GJS-600-3	EN-GJN-HB555
163	Discharge cover		EN GJL-250			EN-GJN-HB555
210	Shaft		1.4021			
230	Impeller	F-max	EN GJL-250	1.4517	EN-GJN-HB555	EN-GJN-HB555
		D-max	EN GJS-600-3	-	EN-GJN-HB555	EN-GJN-HB555

²⁾ IEC 60034-30 standard not binding for submersible motor pumps. Efficiencies calculated/determined according to the measurement method specified in IEC 60034-2. The marking is used for submersible motors that achieve efficiency levels similar to those of standardized motors acc. to the IEC 60034-30 standard.

³⁾ Depending on the configuration the impeller and suction cover of versions with D-max impeller are made of nodular cast iron.

⁴⁾ Only available for version with F-max impeller

⁵⁾ D-flector only available for version with D-max impeller

Part number (⇒ Page 137)	Description		Design	Material variant			
				G	G1 ⁴⁾	G2	GH
412	O-ring		Standard	Nitrile butadiene rubber (NBR70)			
			Option	Fluoroelastomer (FKM80)			
				Viton, Teflon-coated (FEP/FKM)			
433	Mechanical seal	Drive end	Standard	Carbon/Al2O3			
		Pump end	Standard	SIC/SIC/NBR			
			Option	SIC/SIC/FPM			
				SIC/SIC/KAL			
		914	Hexagon socket head cap screw			A4	
Installation parts							
182	Pump foot			1.4301			
572	Guide cable suspension bracket			1.4571			
59-24	Guide cable			1.4401			
72-1	Flanged elbow			EN GJL-250			
732	Claw			EN GJL-250			
885	Lifting chain / lifting rope			Lifting chain: 1.4404			
				Lifting rope: polypropylene			
892	Foot plate			1.4301			
894	Mounting bracket			1.4301			

Description of materials

Gray cast iron EN-GJL-250 (lamellar graphite cast iron):

Lamellar graphite cast iron to EN 1561 is the most widely used cast material for handling municipal sewage, waste water and sludges as well as stormwater and surface water. It is suitable for neutral fluids which are only slightly aggressive and cause little wear. The pH should be ≥ 6.5 , the sand content ≤ 0.5 g/l.

Duplex stainless steel (1.4517 or technically equivalent material)

This type of cast steel is resistant to cavitation, has excellent strength values and is used for high circumferential speeds. An excellent resistance to pitting corrosion makes ferritic-austenitic stainless steel a popular choice for pumping acidic waste water with a high chloride content as well as seawater and brackish water. Thanks to its good chemical resistance, e.g. against waste water containing phosphorus and sulphuric acid, this material is used in a wide range of applications in the chemical industry and process engineering. Pumps made of duplex stainless steel have a very long service life, even when handling brines, chemical waste water (pH 1 - 12), gray water and landfill leachate.

Wear-resistant white cast iron (EN-GJN-HB555 [XCR14] or technically equivalent material)

Wear-resistant white cast iron is suitable for handling highly abrasive fluids containing sand, ash or iron ore sinter, for example. It has a Rockwell hardness (HRC) of 54 as a minimum, which is higher than that of hardened chrome steel. Owing to its hardness, the chromium-molybdenum alloy cast iron features a notably higher wear resistance than EN-GJL-250 gray cast iron and other cast materials. A pH ≥ 6.5 should be observed.

Comparison of materials

Table 5: Comparison of materials

EN	ASTM
EN-GJL-250	A 48 Class 35 B
EN-GJS-600-3	A 536 Gr. 80-60-03
EN-GJN-HB555	A 532 Class II Type B (15 % Cr-Mo)
1.4517	A 890 CD4MCuN
1.4021	A 276 Type 410
1.4301	A 276 Type 304
1.4401	A 276 Type 316
1.4404	A 276 Type 316 L
1.4571	A 276 Type 316 Ti
NBR	NBR
FKM	FKM

Product benefits

- High efficiency thanks to enhanced power density (Wh/m³), overall efficiency of up to 69 %, lower total cost of ownership
- Non-clogging (no clogging by wet wipes) with patented deflection technology and D-max impeller
- Long service life with high operating reliability and durable bearings (100,000 operating hours)
- Environmentally friendly with non-toxic, food-approved oil fill for lubricating the mechanical seal (liquid reservoir)
- Flexible thanks to easy substitution of competitor pumps with a large range of adapter claws and substitution pump app

Product information

Product information as per Regulation No 1907/2006 (REACH)

For information as per chemicals Regulation (EC) No. 1907/2006 (REACH), see <https://www.ksb.com/ksb-en/About-KSB/Corporate-responsibility/reach/> .

Overview of product features / selection tables
Overview of product features, material variant G
Table 6: Overview of product features, material variant G

		Motor sizes			
		2 poles			
		18C 2...23F 2	22C 2...24F 2 29C 2...40F 2	30C 2...51F 2 ⁶⁾ 46C 2...68F 2	55C 2...84F 2
		4 poles			
		-	09C 4...17F 4 15C 4...23F 4	18C4...36F 4 ⁶⁾ 43F 4 ⁶⁾	65F 4 45C 4...77F 4
Material variant		G			
Voltage		460 V			
Starting method		DOL	DOL	DOL DOL / star-delta	DOL / star-delta
Cooling		Cooled by surrounding fluid			
Duty type (see ²⁾ in outline drawing)		S1: submerged, max. 82 ft [25 m] S1: outside the fluid, minimum water level R3 and power derating to IE3 S3: 25 %, 10 min, outside the fluid, minimum water level R1, rated power			
Frequency of starts/hour		30		30 (P ₂ ≤ 10 hp [7,5 kW]) 10 (P ₂ > 10 hp [7,5 kW])	
Bearings					
Bearing design	D-max	-	Double-row angular contact ball bearing		
	F-max		Deep groove ball bearing		
Lubrication		Grease-packed rolling element bearings sealed for life			
Sealing element		Contacting seals on both sides (e.g. 2RS1)			
Monitoring equipment					
Winding temperature motor version U		Temperature monitoring circuit (with automatic reset and start-up): bimetal switch directly connected with the control circuit of the motor contactor			
Winding temperature motor version Y		Limiting circuit (temperature limit for explosion protection without automatic reset): bimetal switch connected via a tripping unit with manual reset			
Power cable					
Type		Rubber-sheathed cable (H07RN8-F)			
Length		32,8 ft [10 m]			
Cable entry	Motor version U	Cable gland			
	Motor version Y	Resin-sealed cable entry			
Sealing elements					
Shaft seal		Mechanical seal (bellows-type mechanical seal) (Q1Q1PGG)			
Elastomer seals		NBR			
Explosion protection					
Motor version U		Not explosion-proof			
Motor version Y		Explosionproof Class I Division I, Groups C&D, T4			
Coating		Environmentally friendly KSB top coat (two-component epoxy paint), color RAL 5002, film thickness = 0.00026 in. [80 µm]			
Max. fluid temperature		104 °F [40 °C]			
Installation					
Stationary, with guide hoop	F-max	Installation depth 4.9 ft [1.5 m]/5.9 ft [1.8 m]/6.9 ft [2.1 m]			-
Stationary, with single guide rail		Installation depth 19.7 ft [6 m]		-	-
Stationary, with twin guide rail arrangement		Installation depth 19.7 ft [6 m] (available up to 39.4 ft [12 m])			
Stationary, with guide cable arrangement		Installation depth 14.8 ft [4.5 m] (available up to 31.2 ft [9.5 m] and 47.6 ft [14.5 m])			
Transportable		Installation depth 47.6 ft [14.5 m]			

⁶⁾ These motors are available for DOL starting only.

Overview of product features, material variants G1, G2, GH

Table 7: Overview of product features, material variants G1, G2, GH

		Motor sizes			
		2 poles			
		18C 2...23F 2	22C 2...24F 2 29C 2...40F 2	30C 2...51F 2 ⁷⁾ 46C 2...68F 2	55C 2...84F 2
		4 poles			
		-	09C 4...17F 4 15C 4...23F 4	18C 4...36F 4 ⁷⁾ 43F 4 ⁷⁾	65F 4 45C 4...77F 4
Material variant	D-max	G2, GH			
	F-max	G1, G2, GH			
Voltage		208 V / 230 V ⁸⁾ / 380 V / 575 V			
Starting method		DOL	DOL	DOL DOL / star-delta	DOL / star-delta
Bearings					
Bearing design	F-max	Double-row angular contact ball bearing			
Power cable					
Type		Rubber-sheathed cable (S1BN8-F) Rubber-sheathed cable (S07RC4N8-F) (shielded) TEFZEL cable			
Length		≤ 164,1 ft [50 m] ⁹⁾			
Cable entry		Water-tight			
Monitoring equipment					
Leakage inside the motor		Leakage sensor in the motor			
Sealing elements					
Shaft seal		Mechanical seal (bellows-type mechanical seal) Q1Q1PGG Mechanical seal with covered springs			
Material variant, shaft seal (pump end)		Q1Q1VGG Q12Q1VGG1 Q12Q1KGG1			
Elastomer seals		FKM FKM / Teflon			
Coating		Environmentally friendly KSB top coat (two-component epoxy paint), color RAL 5002, film thickness = 0.00026 in. [80 µm]			
Installation					
Stationary, with twin guide rail arrangement		Installation depth 39.4 ft [12 m]			
Stationary, with guide cable arrangement		Installation depth 47.6 ft [14.5 m]			

Impellers

	Free-flow impeller (impeller type F-max)	Suitable for the following fluids: Fluids containing solids and stringy material as well as fluids with entrapped air or entrapped gas
	Open two-vane impeller (impeller type D-max)	Suitable for the following fluids: Waste water containing wet wipes and long fibers

Overview of fluids handled

The table below for your guidance is based on KSB's long-standing experience. The data are standard values and are not to be considered as generally binding recommendations. More detailed advice is available from our specialist department. The KSB materials laboratory's wealth of experience may be useful when selecting materials.

⁷ These motors are available for DOL starting only.

⁸ Dual-voltage model: The motor can be connected to a 460 V power supply using the adapter included in the scope of supply.

⁹ 32.8 ft [10 m] / 49.2 ft [15 m] / 65.6 ft [20 m] / 98.5 ft [30 m] / 131.3 ft [40 m] / 164.1 ft [50 m] available

Table 8: Selection aid for materials and hydraulic systems per fluid

Fluid handled ¹⁰⁾	Recommended material	Recommended impeller type ¹¹⁾	Recommended sealing elements	Comments, further recommendations
Water, surface water				
▪ Dam water	G	F-max, D-max	NBR	Free passage > any solids contained, possibly pre-screened
▪ Seawater	G	F-max, D-max	NBR	Free passage > any solids contained, possibly pre-screened
▪ River water	G	F-max, D-max	NBR	Free passage > any solids contained, possibly pre-screened
Water, contaminated water				
▪ Mixed water, with strainer	G	F-max, D-max	NBR	-
▪ Mixed water, without strainer	G	F-max, D-max	NBR	-
▪ Slightly contaminated water	G	F-max, D-max	NBR	Free passage > any solids contained, possibly pre-screened
▪ Waste water with feces	G	D-max, F-max	NBR	EN 12050, min. free passage of 40 mm
▪ Waste water without feces	G	F-max, D-max	NBR	-
Municipal waste water				
▪ Biologically treated	G	F-max, D-max	NBR	-
▪ Containing air and gas	G	F-max	NBR	Up to 8 %; contact KSB for higher concentrations.
▪ Domestic waste water with feces	G	F-max, D-max	NBR	EN 12050, min. free passage of 40 mm
▪ Domestic waste water without feces	G	F-max, D-max	NBR	-
▪ Pumped drainage	G	F-max, D-max	NBR	-
▪ Raw waste water containing solids, long fibers and abrasive particles	G	F-max, D-max	NBR	Free passage > any solids contained, possibly pre-screened
▪ Untreated	G	F-max, D-max	NBR	ATV ¹²⁾ recommends a free passage of 100 mm; min. free passage: 76 mm
Abrasive municipal waste water				
▪ Raw waste water containing solids, long fibers and abrasive particles	GH	D-max, F-max		Solids content < 5 g/l
Water, raw water				
▪ No details specified	G	F-max, D-max	NBR	-
Corrosive and abrasive industrial waste water				
▪ No details specified	G1	F-max	NBR	-
Abrasive, non-corrosive industrial waste water¹³⁾				
▪ Containing dust / ash	G2, GH	F-max, D-max	NBR	-
▪ Containing lime milk > 5 to 15 %	G2, GH	F-max, D-max	NBR	-
▪ Pigment suspensions	G2, GH	F-max, D-max	NBR	-
▪ Water containing iron ore sinter	G2, GH	F-max, D-max	NBR	-
▪ Wash water containing solids	G2, GH	F-max, D-max	NBR	-
Non-abrasive, non-corrosive industrial waste water¹⁴⁾				
▪ Industrial waste water with feces	G	F-max, D-max	NBR	-
▪ Industrial waste water without feces	G	F-max, D-max	NBR	-
▪ Containing aliphatic hydrocarbons	G	F-max	FKM	TEHSITE cable; for high concentrations contact KSB.
▪ Ammonium hydroxide	G	F-max	NBR	-

¹⁰⁾ For any fluids which are not listed in this table contact KSB.

¹¹⁾ The first impeller type listed should be given preference.

¹²⁾ ATV = German regulatory body for waste water management

¹³⁾ Severe hydroabrasive wear occurs if solids contents of 0.5 g/l or higher are combined with circumferential speeds exceeding > 65.6 ft/s [20 m/s] or low flow conditions to the left of the operating point. The required materials highly depend on the operating hours, speed and flow velocity.

¹⁴⁾ The hydrocarbons mentioned may occur in very high concentrations due to the difference in specific weight and their low solubility. If this is the case, contact KSB.

Fluid handled ¹⁰⁾	Recommended material	Recommended impeller type ¹¹⁾	Recommended sealing elements	Comments, further recommendations
▪ Containing up to 5 % of ammonium hydroxide	G	F-max	NBR	-
▪ Containing aromatic hydrocarbons	G	F-max	FKM	TEHSITE cable; for high concentrations contact KSB.
▪ Containing benzene	G	F-max	FKM	TEHSITE cable; for high concentrations contact KSB.
▪ Containing 5 % of calcium hydroxide Ca(OH) ₂	G	F-max	NBR	-
▪ Containing chlorinated hydrocarbons	G	F-max	FKM	TEHSITE cable; for high concentrations contact KSB.
▪ Containing chloroform	G	F-max	FKM	TEHSITE cable; for high concentrations contact KSB.
▪ Containing 10 % of dissolved carbonate Na ₂ CO ₃	G	F-max	NBR	-
▪ Containing ethylene chloride	G	F-max	FEP-FKM	TEHSITE cable; for high concentrations contact KSB.
▪ Containing fibers	G	D-max, F-max	NBR	-
▪ Containing methane	G	F-max	FKM	TEHSITE cable; for high concentrations contact KSB.
▪ Containing methylene chloride	G	F-max	FEP-FKM	TEHSITE cable; for high concentrations contact KSB.
▪ Containing oil	G	F-max	FKM	TEHSITE cable; for high concentrations contact KSB.
▪ Containing paint suspension	G	F-max	NBR	Solvent-free, observe the operator's instructions.
▪ Containing petrol	G	F-max	FKM	TEHSITE cable; for high concentrations contact KSB.
▪ Containing 10 % of potassium hydroxide KOH	G	F-max	FEP-FKM	-
▪ Containing 5 % of sodium hydroxide NaOH	G	F-max	FEP-FKM	-
▪ Containing styrene	G	F-max	FEP-FKM	TEHSITE cable; for high concentrations contact KSB.
▪ Containing tetrachloroethylene	G	F-max	FKM	TEHSITE cable; for high concentrations contact KSB.
▪ Containing 25 % of urea (NH ₂) ₂ -CO	G	F-max	NBR	-
Acidic water				
▪ Slightly acidic, pH ≥ 6	G1	F-max	FKM	pH ≥ 6: G1 variant and FPM (Viton) O-rings
Suspensions containing solids				
▪ Pulp, concentration up to 1 % bone dry	G	F-max, D-max	NBR	-
▪ Water/sand mixture up to 5 g/l	G2, GH	F-max, D-max	NBR	-
▪ Pulp, concentration up to 6 % bone dry	G	F-max, D-max	NBR	-
▪ Water/sand mixture up to 0.5 g/l	G	F-max, D-max	NBR	-
Sludge				
▪ Raw sludge	G	D-max, F-max	NBR	Pumpable up to a dry substance content of: 13 % (D-max), 8 % (F-max)
▪ Digested sludge	G	D-max, F-max	NBR	Pumpable up to a dry substance content of: 13 % (D-max), 8 % (F-max)
▪ Activated sludge	G	D-max, F-max	NBR	Pumpable up to a dry substance content of: 13 % (D-max), 8 % (F-max)

Technical data
Amarex G, free-flow impeller, n = 3500 rpm

G = material variant gray cast iron (pump casing) / gray cast iron (intermediate casing) / gray cast iron (impeller)

F = free-flow impeller

US = non-explosion-proof, for fluid temperatures of up to 104 °F [40 °C]

YS = Class I Division I, Groups C&D, T4, for fluid temperatures of up to 104 °F [40 °C]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	Material variant	Impeller diameter	Voltage	P ₂	P ₁	I _N	I _A	T ¹⁵⁾	[lbs]	Mat. No.
							[in]	[V]	[hp]	[hp]	[A]	[A]	[°F]		
F050-140	023	F	2	U	S	G	3 15/16	380	3,15	3,79	5,30	53	104	128	39110420
F050-140	023	F	2	U	S	G	4 5/16	380	3,15	3,79	5,30	53	104	128	39110421
F050-140	023	F	2	U	S	G	4 3/4	380	3,15	3,79	5,30	53	104	128	39110422
F050-140	023	F	2	U	S	G	5 1/8	380	3,15	3,79	5,30	53	104	128	39110423
F050-140	023	F	2	U	S	G	5 1/2	380	3,15	3,79	5,30	53	104	128	39110424
F050-220	040	F	2	U	S	G	4 3/4	380	5,36	6,30	8,50	76	104	148	39110430
F050-220	040	F	2	U	S	G	5 1/8	380	5,36	6,30	8,50	76	104	148	39110431
F050-220	040	F	2	U	S	G	5 1/2	380	5,36	6,30	8,50	76	104	148	39110432
F050-220	040	F	2	U	S	G	5 7/8	380	5,36	6,30	8,50	76	104	148	39110433
F065-170	040	F	2	U	S	G	5 1/8	380	5,36	6,30	8,50	76	104	152	39110454
F065-170	040	F	2	U	S	G	5 1/2	380	5,36	6,30	8,50	76	104	152	39110455
F065-170	051	F	2	U	S	G	5 7/8	380	6,84	7,95	10,50	98	104	190	39110456
F050-140	023	F	2	Y	S	G	3 15/16	230	3,15	3,79	8,70	88	104	132	39110525
F050-140	023	F	2	Y	S	G	4 5/16	230	3,15	3,79	8,70	88	104	132	39110526
F050-140	023	F	2	Y	S	G	4 3/4	230	3,15	3,79	8,70	88	104	132	39110527
F050-140	023	F	2	Y	S	G	5 1/8	230	3,15	3,79	8,70	88	104	132	39110528
F050-140	023	F	2	Y	S	G	5 1/2	230	3,15	3,79	8,70	88	104	132	39110529
F050-220	040	F	2	Y	S	G	4 3/4	230	5,36	6,30	14,00	126	104	152	39110535
F050-220	040	F	2	Y	S	G	5 1/8	230	5,36	6,30	14,00	126	104	152	39110536
F050-220	040	F	2	Y	S	G	5 1/2	230	5,36	6,30	14,00	126	104	152	39110537
F050-220	040	F	2	Y	S	G	5 7/8	230	5,36	6,30	14,00	126	104	152	39110538
F065-170	040	F	2	Y	S	G	5 1/8	230	5,36	6,30	14,00	126	104	157	39110554
F065-170	040	F	2	Y	S	G	5 1/2	230	5,36	6,30	14,00	126	104	157	39110555
F065-170	047	F	2	Y	S	G	5 7/8	230	6,30	7,28	16,20	162	104	198	39110556

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	Material variant	Impeller diameter	Voltage	P ₂	P ₁	I _N	I _A	T ¹⁶⁾	[kg]	Mat. No.
							[mm]	[V]	[kW]	[kW]	[A]	[A]	[°C]		
F050-140	023	F	2	U	S	G	100	380	2,35	2,83	5,30	53	40	58	39110420
F050-140	023	F	2	U	S	G	110	380	2,35	2,83	5,30	53	40	58	39110421
F050-140	023	F	2	U	S	G	120	380	2,35	2,83	5,30	53	40	58	39110422
F050-140	023	F	2	U	S	G	130	380	2,35	2,83	5,30	53	40	58	39110423
F050-140	023	F	2	U	S	G	140	380	2,35	2,83	5,30	53	40	58	39110424
F050-220	040	F	2	U	S	G	120	380	4,00	4,70	8,50	76	40	67	39110430
F050-220	040	F	2	U	S	G	130	380	4,00	4,70	8,50	76	40	67	39110431
F050-220	040	F	2	U	S	G	140	380	4,00	4,70	8,50	76	40	67	39110432
F050-220	040	F	2	U	S	G	150	380	4,00	4,70	8,50	76	40	67	39110433
F065-170	040	F	2	U	S	G	130	380	4,00	4,70	8,50	76	40	69	39110454
F065-170	040	F	2	U	S	G	140	380	4,00	4,70	8,50	76	40	69	39110455
F065-170	051	F	2	U	S	G	150	380	5,10	5,93	10,50	98	40	86	39110456

¹⁵⁾ Fluid temperature

¹⁶⁾ Fluid temperature

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	Material variant	Impeller diameter	Voltage	P ₂	P ₁	I _N	I _A	T ¹⁶⁾	[kg]	Mat. No.
							[mm]	[V]	[kW]	[kW]	[A]	[A]	[°C]		
F050-140	023	F	2	Y	S	G	100	230	2,35	2,83	8,70	88	40	60	39110525
F050-140	023	F	2	Y	S	G	110	230	2,35	2,83	8,70	88	40	60	39110526
F050-140	023	F	2	Y	S	G	120	230	2,35	2,83	8,70	88	40	60	39110527
F050-140	023	F	2	Y	S	G	130	230	2,35	2,83	8,70	88	40	60	39110528
F050-140	023	F	2	Y	S	G	140	230	2,35	2,83	8,70	88	40	60	39110529
F050-220	040	F	2	Y	S	G	120	230	4,00	4,70	14,00	126	40	69	39110535
F050-220	040	F	2	Y	S	G	130	230	4,00	4,70	14,00	126	40	69	39110536
F050-220	040	F	2	Y	S	G	140	230	4,00	4,70	14,00	126	40	69	39110537
F050-220	040	F	2	Y	S	G	150	230	4,00	4,70	14,00	126	40	69	39110538
F065-170	040	F	2	Y	S	G	130	230	4,00	4,70	14,00	126	40	71	39110554
F065-170	040	F	2	Y	S	G	140	230	4,00	4,70	14,00	126	40	71	39110555
F065-170	047	F	2	Y	S	G	150	230	4,70	5,43	16,20	162	40	90	39110556

Amarex G, free-flow impeller, n = 1750 rpm

G = material variant gray cast iron (pump casing) / gray cast iron (intermediate casing) / gray cast iron (impeller)

F = free-flow impeller

US = non-explosion-proof, for fluid temperatures of up to 104 °F [40 °C]

YS = Class I Division I, Groups C&D, T4, for fluid temperatures of up to 104 °F [40 °C]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	Material variant	Impeller diameter	Voltage	P ₂	P ₁	I _N	I _A	T ¹⁷⁾	[lbs]	Mat. No.
							[in]	[V]	[hp]	[hp]	[A]	[A]	[°F]		
F065-150	017	F	4	U	S	G	6 5/16	380	2,28	2,76	3,9	29	104	146	39110439
F065-150	023	F	4	U	S	G	6 11/16	380	3,08	3,71	5,3	44	104	148	39110445
F065-150	023	F	4	U	S	G	7 1/16	380	3,08	3,71	5,3	44	104	148	39110446
F065-150	023	F	4	U	S	G	7 1/2	380	3,08	3,71	5,3	44	104	148	39110447
F065-150	036	F	4	U	S	G	7 7/8	380	4,83	5,66	7,9	61	104	187	39110448
F065-230	023	F	4	U	S	G	5 7/8	380	3,08	3,71	5,3	44	104	152	39110462
F065-230	023	F	4	U	S	G	6 5/16	380	3,08	3,71	5,3	44	104	152	39110463
F065-230	023	F	4	U	S	G	6 11/16	380	3,08	3,71	5,3	44	104	152	39110464
F065-230	023	F	4	U	S	G	7 1/16	380	3,08	3,71	5,3	44	104	152	39110465
F065-230	036	F	4	U	S	G	7 1/2	380	4,83	5,66	7,9	61	104	190	39110466
F065-230	036	F	4	U	S	G	7 7/8	380	4,83	5,66	7,9	61	104	190	39110467
F080-180	023	F	4	U	S	G	5 1/2	380	3,08	3,71	5,3	44	104	159	39110473
F080-180	023	F	4	U	S	G	5 7/8	380	3,08	3,71	5,3	44	104	159	39110474
F080-180	036	F	4	U	S	G	6 5/16	380	4,83	5,66	7,9	61	104	198	39110475
F080-180	036	F	4	U	S	G	6 11/16	380	4,83	5,66	7,9	61	104	198	39110476
F080-230	023	F	4	U	S	G	5 1/2	380	3,08	3,71	5,3	44	104	161	39110482
F080-230	036	F	4	U	S	G	5 7/8	380	4,83	5,66	7,9	61	104	201	39110483
F080-230	036	F	4	U	S	G	6 5/16	380	4,83	5,66	7,9	61	104	203	39110484
F080-230	036	F	4	U	S	G	6 11/16	380	4,83	5,66	7,9	61	104	201	39110485
F080-230	043	F	4	U	S	G	7 1/16	380	5,83	7,43	11,5/6,6	69	104	214	39110486
F100-180	023	F	4	U	S	G	5 1/2	380	3,08	3,71	5,3	44	104	165	39110492
F100-180	036	F	4	U	S	G	6 5/16	380	4,83	5,66	7,9	61	104	205	39110493
F100-180	043	F	4	U	S	G	7 1/16	380	5,83	7,43	11,5/6,6	68	104	218	39110494
F100-230	036	F	4	U	S	G	6 5/16	380	4,83	5,66	7,9	61	104	207	39110500
F100-230	043	F	4	U	S	G	6 11/16	380	5,83	7,43	11,5/6,6	68	104	220	39110501
F100-230	043	F	4	U	S	G	7 1/16	380	5,83	7,43	11,5/6,6	68	104	220	39110502
F150-180	065	F	4	U	S	G	5 7/8	380	8,71	10,17	13,8/8,0	103	104	284	39110508
F150-180	065	F	4	U	S	G	6 5/16	380	8,71	10,17	13,8/8,0	103	104	284	39110509
F150-180	065	F	4	U	S	G	6 11/16	380	8,71	10,17	13,8/8,0	103	104	284	39110510
F150-180	065	F	4	U	S	G	7 1/16	380	8,71	10,17	13,8/8,0	103	104	284	39110511
F150-230	065	F	4	U	S	G	6 11/16	380	8,71	10,17	13,8/8,0	103	104	287	39110517
F150-230	077	F	4	U	S	G	7 1/16	380	10,32	11,85	16,5/9,5	131	104	298	39110518
F150-230	077	F	4	U	S	G	7 1/2	380	10,32	11,85	16,5/9,5	131	104	298	39110519
F065-150	017	F	4	Y	S	G	6 5/16	230	2,28	2,76	6,4	48	104	150	39110544
F065-150	023	F	4	Y	S	G	6 11/16	230	3,08	3,71	8,7	72	104	154	39110545
F065-150	017	F	4	Y	S	G	7 1/16	230	2,28	2,76	6,4	48	104	154	39110546
F065-150	023	F	4	Y	S	G	7 1/2	230	3,08	3,71	8,7	72	104	154	39110547
F065-150	036	F	4	Y	S	G	7 7/8	230	4,83	5,66	13	100	104	196	39110548
F065-230	023	F	4	Y	S	G	5 7/8	230	3,08	3,71	8,7	72	104	157	39110562
F065-230	023	F	4	Y	S	G	6 5/16	230	3,08	3,71	8,7	72	104	157	39110563
F065-230	023	F	4	Y	S	G	6 11/16	230	3,08	3,71	8,7	72	104	157	39110564
F065-230	023	F	4	Y	S	G	7 1/16	230	3,08	3,71	8,7	72	104	157	39110565
F065-230	036	F	4	Y	S	G	7 1/2	230	4,83	5,66	13	100	104	198	39110566
F065-230	036	F	4	Y	S	G	7 7/8	230	4,83	5,66	13	100	104	198	39110567
F080-180	023	F	4	Y	S	G	5 1/2	230	3,08	3,71	8,7	72	104	165	39110573
F080-180	023	F	4	Y	S	G	5 7/8	230	3,08	3,71	8,7	72	104	165	39110574

¹⁷⁾ Fluid temperature

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	Material variant	Impeller diameter	Voltage	P ₂	P ₁	I _N	I _A	T ⁽¹⁷⁾	[lbs]	Mat. No.
							[in]	[V]	[hp]	[hp]	[A]	[A]	[°F]		
F080-180	036	F	4	Y	S	G	6 5/16	230	4,83	5,66	13	100	104	207	39110575
F080-180	036	F	4	Y	S	G	6 11/16	230	4,83	5,66	13	100	104	207	39110576
F080-230	023	F	4	Y	S	G	5 1/2	230	3,08	3,71	8,7	72	104	165	39110582
F080-230	036	F	4	Y	S	G	5 7/8	230	4,83	5,66	13	100	104	209	39110583
F080-230	036	F	4	Y	S	G	6 5/16	230	4,83	5,66	13	100	104	209	39110584
F080-230	036	F	4	Y	S	G	6 11/16	230	4,83	5,66	13	100	104	209	39110585
F080-230	065	F	4	Y	S	G	7 1/16	230	8,71	10,17	22,8/13,1	170	104	243	39110586
F100-180	023	F	4	Y	S	G	5 1/2	230	3,08	3,71	8,7	72	104	170	39110592
F100-180	036	F	4	Y	S	G	6 5/16	230	4,83	5,66	13	100	104	214	39110593
F100-180	065	F	4	Y	S	G	7 1/16	230	8,71	10,17	22,8/13,1	170	104	254	39110594
F100-230	036	F	4	Y	S	G	6 5/16	230	4,83	5,66	13	100	104	216	39110600
F100-230	065	F	4	Y	S	G	6 11/16	230	8,71	10,17	22,8/13,1	170	104	254	39110601
F100-230	065	F	4	Y	S	G	7 1/16	230	8,71	10,17	22,8/13,1	170	104	254	39110602
F150-180	065	F	4	Y	S	G	5 7/8	230	8,71	10,17	22,8/13,1	170	104	300	39110608
F150-180	065	F	4	Y	S	G	6 5/16	230	8,71	10,17	22,8/13,1	170	104	300	39110609
F150-180	065	F	4	Y	S	G	6 11/16	230	8,71	10,17	22,8/13,1	170	104	300	39110610
F150-180	065	F	4	Y	S	G	7 1/16	230	8,71	10,17	22,8/13,1	170	104	300	39110611
F150-230	065	F	4	Y	S	G	6 11/16	230	8,71	10,17	22,8/13,1	170	104	304	39110617
F150-230	070	F	4	Y	S	G	7 1/16	230	9,38	10,68	25,3/14,6	216	104	313	39110618

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	Material variant	Impeller diameter	Voltage	P ₂	P ₁	I _N	I _A	T ⁽¹⁸⁾	[kg]	Mat. No.
							[mm]	[V]	[kW]	[kW]	[A]	[A]	[°C]		
F065-150	017	F	4	U	S	G	160	380	1,70	2,06	3,9	29	40	66	39110439
F065-150	023	F	4	U	S	G	170	380	2,30	2,77	5,3	44	40	67	39110445
F065-150	023	F	4	U	S	G	180	380	2,30	2,77	5,3	44	40	67	39110446
F065-150	023	F	4	U	S	G	190	380	2,30	2,77	5,3	44	40	67	39110447
F065-150	036	F	4	U	S	G	200	380	3,60	4,22	7,9	61	40	85	39110448
F065-230	023	F	4	U	S	G	150	380	2,30	2,77	5,3	44	40	69	39110462
F065-230	023	F	4	U	S	G	160	380	2,30	2,77	5,3	44	40	69	39110463
F065-230	023	F	4	U	S	G	170	380	2,30	2,77	5,3	44	40	69	39110464
F065-230	023	F	4	U	S	G	180	380	2,30	2,77	5,3	44	40	69	39110465
F065-230	036	F	4	U	S	G	190	380	3,60	4,22	7,9	61	40	86	39110466
F065-230	036	F	4	U	S	G	200	380	3,60	4,22	7,9	61	40	86	39110467
F080-180	023	F	4	U	S	G	140	380	2,30	2,77	5,3	44	40	72	39110473
F080-180	023	F	4	U	S	G	150	380	2,30	2,77	5,3	44	40	72	39110474
F080-180	036	F	4	U	S	G	160	380	3,60	4,22	7,9	61	40	90	39110475
F080-180	036	F	4	U	S	G	170	380	3,60	4,22	7,9	61	40	90	39110476
F080-230	023	F	4	U	S	G	140	380	2,30	2,77	5,3	44	40	73	39110482
F080-230	036	F	4	U	S	G	150	380	3,60	4,22	7,9	61	40	91	39110483
F080-230	036	F	4	U	S	G	160	380	3,60	4,22	7,9	61	40	92	39110484
F080-230	036	F	4	U	S	G	170	380	3,60	4,22	7,9	61	40	91	39110485
F080-230	043	F	4	U	S	G	180	380	4,35	5,54	11,5/6,6	69	40	97	39110486
F100-180	023	F	4	U	S	G	140	380	2,30	2,77	5,3	44	40	75	39110492
F100-180	036	F	4	U	S	G	160	380	3,60	4,22	7,9	61	40	93	39110493
F100-180	043	F	4	U	S	G	180	380	4,35	5,54	11,5/6,6	68	40	99	39110494
F100-230	036	F	4	U	S	G	160	380	3,60	4,22	7,9	61	40	94	39110500
F100-230	043	F	4	U	S	G	170	380	4,35	5,54	11,5/6,6	68	40	100	39110501
F100-230	043	F	4	U	S	G	180	380	4,35	5,54	11,5/6,6	68	40	100	39110502

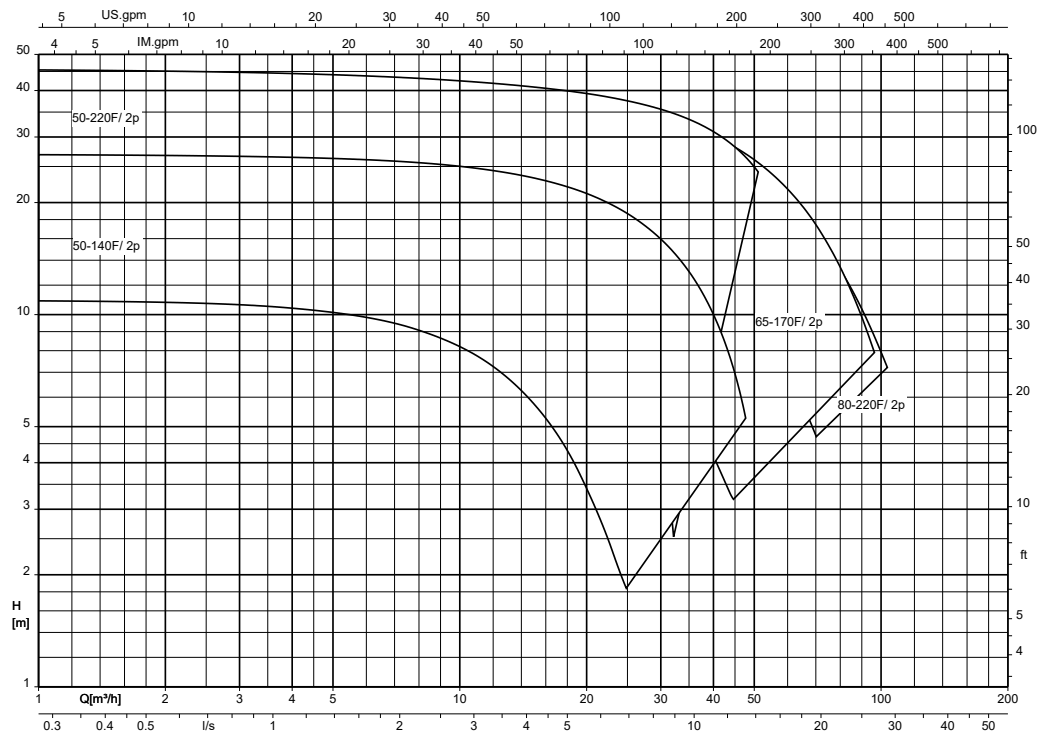
¹⁸ Fluid temperature

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	Material variant	Impeller diameter	Voltage	P ₂	P ₁	I _N	I _A	T ⁽¹⁸⁾	[kg]	Mat. No.
							[mm]	[V]	[kW]	[kW]	[A]	[A]	[°C]		
F150-180	065	F	4	U	S	G	150	380	6,50	7,59	13,8/8,0	103	40	129	39110508
F150-180	065	F	4	U	S	G	160	380	6,50	7,59	13,8/8,0	103	40	129	39110509
F150-180	065	F	4	U	S	G	170	380	6,50	7,59	13,8/8,0	103	40	129	39110510
F150-180	065	F	4	U	S	G	180	380	6,50	7,59	13,8/8,0	103	40	129	39110511
F150-230	065	F	4	U	S	G	170	380	6,50	7,59	13,8/8,0	103	40	130	39110517
F150-230	077	F	4	U	S	G	180	380	7,70	8,84	16,5/9,5	131	40	135	39110518
F150-230	077	F	4	U	S	G	190	380	7,70	8,84	16,5/9,5	131	40	135	39110519
F065-150	017	F	4	Y	S	G	160	230	1,70	2,06	6,4	48	40	68	39110544
F065-150	023	F	4	Y	S	G	170	230	2,30	2,77	8,7	72	40	70	39110545
F065-150	017	F	4	Y	S	G	180	230	1,70	2,06	6,4	48	40	70	39110546
F065-150	023	F	4	Y	S	G	190	230	2,30	2,77	8,7	72	40	70	39110547
F065-150	036	F	4	Y	S	G	200	230	3,60	4,22	13	100	40	89	39110548
F065-230	023	F	4	Y	S	G	150	230	2,30	2,77	8,7	72	40	71	39110562
F065-230	023	F	4	Y	S	G	160	230	2,30	2,77	8,7	72	40	71	39110563
F065-230	023	F	4	Y	S	G	170	230	2,30	2,77	8,7	72	40	71	39110564
F065-230	023	F	4	Y	S	G	180	230	2,30	2,77	8,7	72	40	71	39110565
F065-230	036	F	4	Y	S	G	190	230	3,60	4,22	13	100	40	90	39110566
F065-230	036	F	4	Y	S	G	200	230	3,60	4,22	13	100	40	90	39110567
F080-180	023	F	4	Y	S	G	140	230	2,30	2,77	8,7	72	40	75	39110573
F080-180	023	F	4	Y	S	G	150	230	2,30	2,77	8,7	72	40	75	39110574
F080-180	036	F	4	Y	S	G	160	230	3,60	4,22	13	100	40	94	39110575
F080-180	036	F	4	Y	S	G	170	230	3,60	4,22	13	100	40	94	39110576
F080-230	023	F	4	Y	S	G	140	230	2,30	2,77	8,7	72	40	75	39110582
F080-230	036	F	4	Y	S	G	150	230	3,60	4,22	13	100	40	95	39110583
F080-230	036	F	4	Y	S	G	160	230	3,60	4,22	13	100	40	95	39110584
F080-230	036	F	4	Y	S	G	170	230	3,60	4,22	13	100	40	95	39110585
F080-230	065	F	4	Y	S	G	180	230	6,50	7,59	22,8/13,1	170	40	110	39110586
F100-180	023	F	4	Y	S	G	140	230	2,30	2,77	8,7	72	40	77	39110592
F100-180	036	F	4	Y	S	G	160	230	3,60	4,22	13	100	40	97	39110593
F100-180	065	F	4	Y	S	G	180	230	6,50	7,59	22,8/13,1	170	40	115	39110594
F100-230	036	F	4	Y	S	G	160	230	3,60	4,22	13	100	40	98	39110600
F100-230	065	F	4	Y	S	G	170	230	6,50	7,59	22,8/13,1	170	40	115	39110601
F100-230	065	F	4	Y	S	G	180	230	6,50	7,59	22,8/13,1	170	40	115	39110602
F150-180	065	F	4	Y	S	G	150	230	6,50	7,59	22,8/13,1	170	40	136	39110608
F150-180	065	F	4	Y	S	G	160	230	6,50	7,59	22,8/13,1	170	40	136	39110609
F150-180	065	F	4	Y	S	G	170	230	6,50	7,59	22,8/13,1	170	40	136	39110610
F150-180	065	F	4	Y	S	G	180	230	6,50	7,59	22,8/13,1	170	40	136	39110611
F150-230	065	F	4	Y	S	G	170	230	6,50	7,59	22,8/13,1	170	40	138	39110617
F150-230	070	F	4	Y	S	G	180	230	7,00	7,97	25,3/14,6	216	40	142	39110618

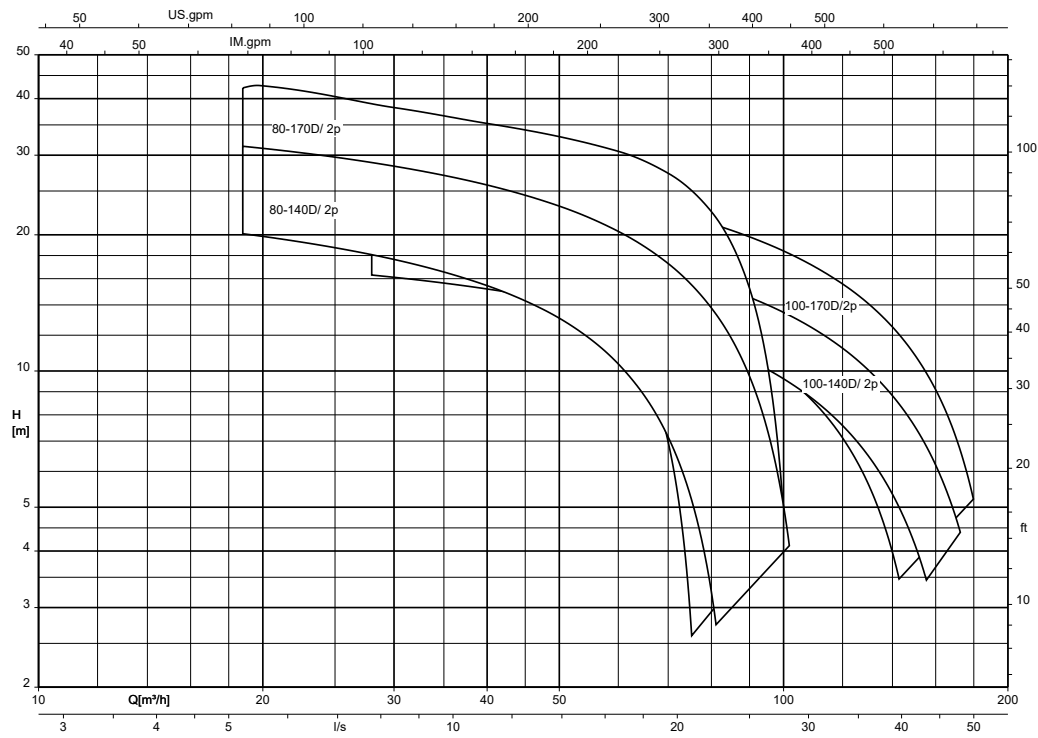
Selection charts

n = 3500 rpm

Amarex, F-max, n = 3500 rpm

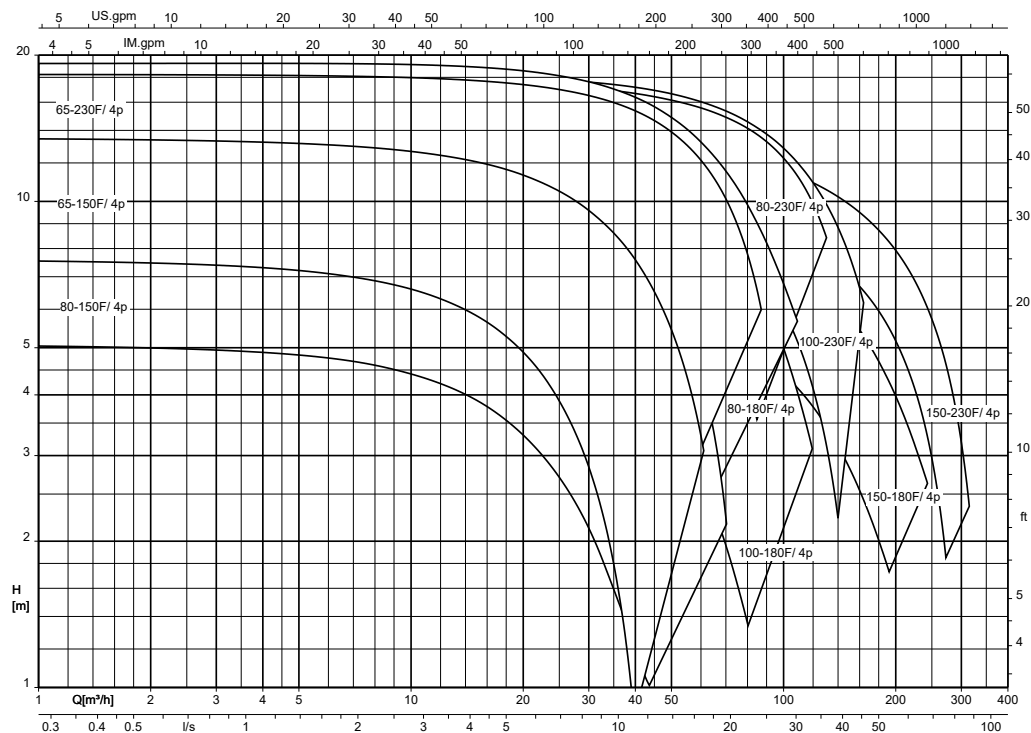


Amarex, D-max, n = 3500 rpm

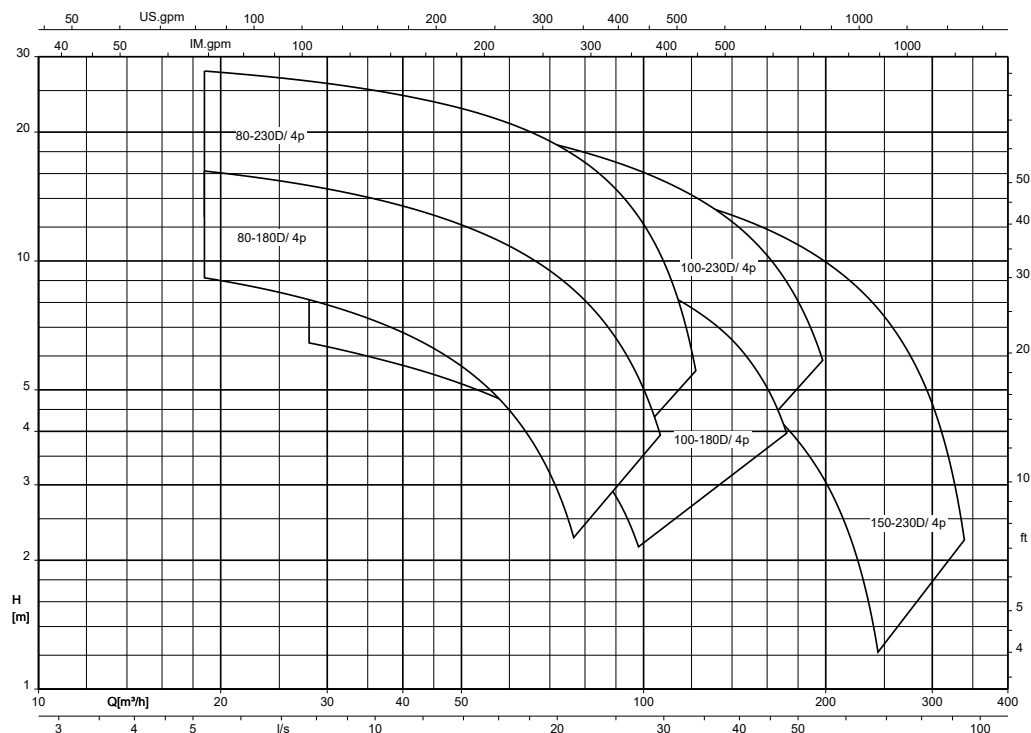


$n = 1750 \text{ rpm}$

Amarex, F-max, $n = 1750 \text{ rpm}$



Amarex, D-max, $n = 1750 \text{ rpm}$



Dimensions and connections

Dimensions

Amarex DN 50/65/80/100/150, transportable model

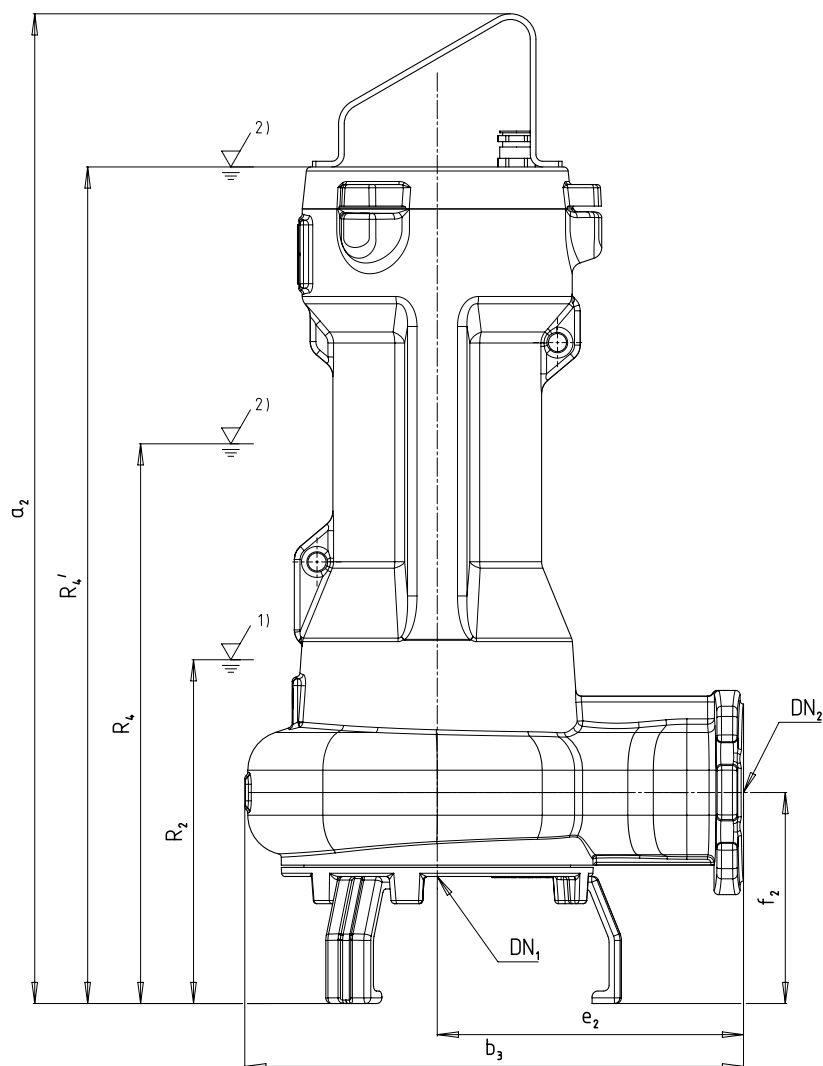


Fig. 1: Dimensions of transportable model

2)	Minimum submergence for continuous duty
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Table 9: Pump dimensions [in]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor version	DN ₁	DN ₂	a ₂	b ₃	e ₂	f ₂	R ₂	R ₄	R ₄ '
F050-140	018	C	2	U	S	1 5/8	1 15/16	28 1/8	11	6 11/16	6 7/16	9 7/16	16 1/8	-
F050-140	018	C	2	Y	S	1 5/8	1 15/16	28 1/2	11	6 11/16	6 7/16	9 7/16	16 1/8	-
F050-140	023	F	2	U	S	1 5/8	1 15/16	28 1/8	11	6 11/16	6 7/16	9 7/16	-	23 5/8
F050-140	023	F	2	Y	S	1 5/8	1 15/16	28 1/2	11	6 11/16	6 7/16	9 7/16	-	24

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Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor version	DN ₁	DN ₂	a ₂	b ₃	e ₂	f ₂	R ₂	R ₄	R ₄ '
F050-220	022	C	2	U	S	1 5/8	1 15/16	29 5/8	12 1/4	7 1/16	6 7/16	9 3/4	13 11/16	-
F050-220	022	C	2	Y	S	1 5/8	1 15/16	30	12 1/4	7 1/16	6 7/16	9 3/4	13 11/16	-
F050-220	024	F	2	U	S	1 5/8	1 15/16	29 5/8	12 1/4	7 1/16	6 7/16	9 3/4	-	25 1/8
F050-220	024	F	2	Y	S	1 5/8	1 15/16	30	12 1/4	7 1/16	6 7/16	9 3/4	-	25 1/2
F050-220	029	C	2	U	S	1 5/8	1 15/16	29 5/8	12 1/4	7 1/16	6 7/16	9 3/4	17	-
F050-220	029	C	2	Y	S	1 5/8	1 15/16	30	12 1/4	7 1/16	6 7/16	9 3/4	17	-
F050-220	030	C	2	U	S	1 5/8	1 15/16	32 1/2	12 1/4	7 1/16	6 7/16	14 3/16	15 3/4	-
F050-220	030	C	2	Y	S	1 5/8	1 15/16	32 7/8	12 1/4	7 1/16	6 7/16	14 3/16	15 3/4	-
F050-220	040	F	2	U	S	1 5/8	1 15/16	29 5/8	12 1/4	7 1/16	6 7/16	9 3/4	-	25 1/8
F050-220	040	F	2	Y	S	1 5/8	1 15/16	30	12 1/4	7 1/16	6 7/16	9 3/4	-	25 1/2
F050-220	042	F	2	U	S	1 5/8	1 15/16	32 1/2	12 1/4	7 1/16	6 7/16	14 3/16	-	27 3/16
F050-220	042	F	2	Y	S	1 5/8	1 15/16	32 7/8	12 1/4	7 1/16	6 7/16	14 3/16	-	27 9/16
F050-220	046	C	2	U	S	1 5/8	1 15/16	32 1/2	12 1/4	7 1/16	6 7/16	14 3/16	19 5/16	-
F050-220	046	C	2	Y	S	1 5/8	1 15/16	32 7/8	12 1/4	7 1/16	6 7/16	14 3/16	19 5/16	-
F050-220	047	F	2	U	S	1 5/8	1 15/16	32 1/2	12 1/4	7 1/16	6 7/16	14 3/16	-	27 3/16
F050-220	047	F	2	Y	S	1 5/8	1 15/16	32 7/8	12 1/4	7 1/16	6 7/16	14 3/16	-	27 9/16
F050-220	051	F	2	U	S	1 5/8	1 15/16	32 1/2	12 1/4	7 1/16	6 7/16	14 3/16	-	27 3/16
F050-220	051	F	2	Y	S	1 5/8	1 15/16	32 7/8	12 1/4	7 1/16	6 7/16	14 3/16	-	27 9/16
F050-220	066	F	2	U	S	1 5/8	1 15/16	32 1/2	12 1/4	7 1/16	6 7/16	14 3/16	-	27 3/16
F050-220	066	F	2	Y	S	1 5/8	1 15/16	32 7/8	12 1/4	7 1/16	6 7/16	14 3/16	-	27 9/16
F050-220	068	F	2	U	S	1 5/8	1 15/16	32 1/2	12 1/4	7 1/16	6 7/16	14 3/16	-	27 3/16
F050-220	068	F	2	Y	S	1 5/8	1 15/16	32 7/8	12 1/4	7 1/16	6 7/16	14 3/16	-	27 9/16
F065-150	015	C	4	U	S	2 9/16	2 9/16	30 7/8	13 13/16	8 1/4	7 1/4	10 15/16	14 7/8	-
F065-150	015	C	4	Y	S	2 9/16	2 9/16	31 1/4	13 13/16	8 1/4	7 1/4	10 15/16	14 7/8	-
F065-150	017	F	4	U	S	2 9/16	2 9/16	30 7/8	13 13/16	8 1/4	7 1/4	10 15/16	-	26 5/16
F065-150	017	F	4	Y	S	2 9/16	2 9/16	31 1/4	13 13/16	8 1/4	7 1/4	10 15/16	-	26 11/16
F065-150	018	C	4	U	S	2 9/16	2 9/16	33 11/16	13 13/16	8 1/4	7 1/4	15 3/8	16 15/16	-
F065-150	018	C	4	Y	S	2 9/16	2 9/16	34 1/16	13 13/16	8 1/4	7 1/4	15 3/8	16 15/16	-
F065-150	023	F	4	U	S	2 9/16	2 9/16	30 7/8	13 13/16	8 1/4	7 1/4	10 15/16	-	26 5/16
F065-150	023	F	4	Y	S	2 9/16	2 9/16	31 1/4	13 13/16	8 1/4	7 1/4	10 15/16	-	26 11/16
F065-150	030	F	4	U	S	2 9/16	2 9/16	33 11/16	13 13/16	8 1/4	7 1/4	11	-	28 3/8
F065-150	030	F	4	Y	S	2 9/16	2 9/16	34 1/16	13 13/16	8 1/4	7 1/4	11	-	28 3/4
F065-150	035	F	4	U	S	2 9/16	2 9/16	33 11/16	13 13/16	8 1/4	7 1/4	11	-	28 3/8
F065-150	035	F	4	Y	S	2 9/16	2 9/16	34 1/16	13 13/16	8 1/4	7 1/4	11	-	28 3/4
F065-150	036	F	4	U	S	2 9/16	2 9/16	33 11/16	13 13/16	8 1/4	7 1/4	15 3/8	-	28 3/8
F065-150	036	F	4	Y	S	2 9/16	2 9/16	34 1/16	13 13/16	8 1/4	7 1/4	15 3/8	-	28 3/4
F065-150	043	F	4	U	S	2 9/16	2 9/16	33 11/16	13 13/16	8 1/4	7 1/4	11	-	28 3/8
F065-150	043	F	4	Y	S	2 9/16	2 9/16	34 1/16	13 13/16	8 1/4	7 1/4	11	-	28 3/4
F065-170	022	C	2	U	S	2 9/16	2 9/16	30 7/8	13 13/16	8 1/4	7 1/4	10 15/16	14 7/8	-
F065-170	022	C	2	Y	S	2 9/16	2 9/16	31 1/4	13 13/16	8 1/4	7 1/4	10 15/16	14 7/8	-
F065-170	024	F	2	U	S	2 9/16	2 9/16	30 7/8	13 13/16	8 1/4	7 1/4	10 15/16	-	26 5/16
F065-170	024	F	2	Y	S	2 9/16	2 9/16	31 1/4	13 13/16	8 1/4	7 1/4	10 15/16	-	26 11/16
F065-170	029	C	2	U	S	2 9/16	2 9/16	30 7/8	13 13/16	8 1/4	7 1/4	10 15/16	18 1/4	-

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor version	DN ₁	DN ₂	a ₂	b ₃	e ₂	f ₂	R ₂	R ₄	R ₄ '
F065-170	029	C	2	Y	S	2 9/16	2 9/16	31 1/4	13 13/16	8 1/4	7 1/4	10 15/16	18 1/4	-
F065-170	030	C	2	U	S	2 9/16	2 9/16	33 11/16	13 13/16	8 1/4	7 1/4	15 3/8	16 15/16	-
F065-170	030	C	2	Y	S	2 9/16	2 9/16	34 1/16	13 13/16	8 1/4	7 1/4	15 3/8	16 15/16	-
F065-170	040	F	2	U	S	2 9/16	2 9/16	30 7/8	13 13/16	8 1/4	7 1/4	10 15/16	-	26 5/16
F065-170	040	F	2	Y	S	2 9/16	2 9/16	31 1/4	13 13/16	8 1/4	7 1/4	10 15/16	-	26 11/16
F065-170	042	F	2	U	S	2 9/16	2 9/16	33 11/16	13 13/16	8 1/4	7 1/4	15 3/8	-	28 3/8
F065-170	042	F	2	Y	S	2 9/16	2 9/16	34 1/16	13 13/16	8 1/4	7 1/4	15 3/8	-	28 3/4
F065-170	046	C	2	U	S	2 9/16	2 9/16	33 11/16	13 13/16	8 1/4	7 1/4	15 3/8	20 1/2	-
F065-170	046	C	2	Y	S	2 9/16	2 9/16	34 1/16	13 13/16	8 1/4	7 1/4	15 3/8	20 1/2	-
F065-170	047	F	2	U	S	2 9/16	2 9/16	33 11/16	13 13/16	8 1/4	7 1/4	15 3/8	-	28 3/8
F065-170	047	F	2	Y	S	2 9/16	2 9/16	34 1/16	13 13/16	8 1/4	7 1/4	15 3/8	-	28 3/4
F065-170	051	F	2	U	S	2 9/16	2 9/16	33 11/16	13 13/16	8 1/4	7 1/4	15 3/8	-	28 3/8
F065-170	051	F	2	Y	S	2 9/16	2 9/16	34 1/16	13 13/16	8 1/4	7 1/4	15 3/8	-	28 3/4
F065-170	066	F	2	U	S	2 9/16	2 9/16	33 11/16	13 13/16	8 1/4	7 1/4	15 3/8	-	28 3/8
F065-170	066	F	2	Y	S	2 9/16	2 9/16	34 1/16	13 13/16	8 1/4	7 1/4	15 3/8	-	28 3/4
F065-170	068	F	2	U	S	2 9/16	2 9/16	33 11/16	13 13/16	8 1/4	7 1/4	15 3/8	-	28 3/8
F065-170	068	F	2	Y	S	2 9/16	2 9/16	34 1/16	13 13/16	8 1/4	7 1/4	15 3/8	-	28 3/4
F065-230	015	C	4	U	S	2 9/16	2 9/16	30 7/8	13 13/16	8 1/4	7 1/4	10 15/16	14 7/8	-
F065-230	015	C	4	Y	S	2 9/16	2 9/16	31 1/4	13 13/16	8 1/4	7 1/4	10 15/16	14 7/8	-
F065-230	017	F	4	U	S	2 9/16	2 9/16	30 7/8	13 13/16	8 1/4	7 1/4	10 15/16	-	26 5/16
F065-230	017	F	4	Y	S	2 9/16	2 9/16	31 1/4	13 13/16	8 1/4	7 1/4	10 15/16	-	26 11/16
F065-230	018	C	4	U	S	2 9/16	2 9/16	33 11/16	13 13/16	8 1/4	7 1/4	15 3/8	16 15/16	-
F065-230	018	C	4	Y	S	2 9/16	2 9/16	34 1/16	13 13/16	8 1/4	7 1/4	15 3/8	16 15/16	-
F065-230	023	F	4	U	S	2 9/16	2 9/16	30 7/8	13 13/16	8 1/4	7 1/4	10 15/16	-	26 5/16
F065-230	023	F	4	Y	S	2 9/16	2 9/16	31 1/4	13 13/16	8 1/4	7 1/4	10 15/16	-	26 11/16
F065-230	030	F	4	U	S	2 9/16	2 9/16	33 11/16	13 13/16	8 1/4	7 1/4	11	-	28 3/8
F065-230	030	F	4	Y	S	2 9/16	2 9/16	34 1/16	13 13/16	8 1/4	7 1/4	11	-	28 3/4
F065-230	035	F	4	U	S	2 9/16	2 9/16	33 11/16	13 13/16	8 1/4	7 1/4	11	-	28 3/8
F065-230	035	F	4	Y	S	2 9/16	2 9/16	34 1/16	13 13/16	8 1/4	7 1/4	11	-	28 3/4
F065-230	036	F	4	U	S	2 9/16	2 9/16	33 11/16	13 13/16	8 1/4	7 1/4	15 3/8	-	28 3/8
F065-230	036	F	4	Y	S	2 9/16	2 9/16	34 1/16	13 13/16	8 1/4	7 1/4	15 3/8	-	28 3/4
F065-230	043	F	4	U	S	2 9/16	2 9/16	33 11/16	13 13/16	8 1/4	7 1/4	11	-	28 3/8
F065-230	043	F	4	Y	S	2 9/16	2 9/16	34 1/16	13 13/16	8 1/4	7 1/4	11	-	28 3/4
D080-140	029	C	2	U	S	3 1/8	3 1/8	29 13/16	14 11/16	9 1/16	6 15/16	9 15/16	17 3/16	-
D080-140	029	C	2	Y	S	3 1/8	3 1/8	30 3/16	14 11/16	9 1/16	6 15/16	9 15/16	17 3/16	-
D080-140	030	C	2	U	S	3 1/8	3 1/8	30 15/16	14 11/16	9 1/16	6 15/16	12 5/8	14 3/16	-
D080-140	030	C	2	Y	S	3 1/8	3 1/8	31 5/16	14 11/16	9 1/16	6 15/16	12 5/8	14 3/16	-
D080-140	040	F	2	U	S	3 1/8	3 1/8	29 13/16	14 11/16	9 1/16	6 15/16	9 15/16	-	25 5/16
D080-140	040	F	2	Y	S	3 1/8	3 1/8	30 3/16	14 11/16	9 1/16	6 15/16	9 15/16	-	25 11/16
D080-140	042	F	2	U	S	3 1/8	3 1/8	30 15/16	14 11/16	9 1/16	6 15/16	12 5/8	-	25 5/8
D080-140	042	F	2	Y	S	3 1/8	3 1/8	31 5/16	14 11/16	9 1/16	6 15/16	12 5/8	-	26
D080-140	047	F	2	U	S	3 1/8	3 1/8	30 15/16	14 11/16	9 1/16	6 15/16	12 5/8	-	25 5/8
D080-140	047	F	2	Y	S	3 1/8	3 1/8	31 5/16	14 11/16	9 1/16	6 15/16	12 5/8	-	26
D080-140	051	F	2	U	S	3 1/8	3 1/8	30 15/16	14 11/16	9 1/16	6 15/16	12 5/8	-	25 5/8
D080-140	051	F	2	Y	S	3 1/8	3 1/8	31 5/16	14 11/16	9 1/16	6 15/16	12 5/8	-	26
F080-150	015	C	4	U	S	3 1/8	3 1/8	31 7/16	15 3/16	9 1/16	7 5/8	11 1/2	15 7/16	-
F080-150	015	C	4	Y	S	3 1/8	3 1/8	31 3/4	15 3/16	9 1/16	7 5/8	11 1/2	15 7/16	-
F080-150	017	F	4	U	S	3 1/8	3 1/8	31 7/16	15 3/16	9 1/16	7 5/8	11 1/2	-	26 7/8
F080-150	017	F	4	Y	S	3 1/8	3 1/8	31 3/4	15 3/16	9 1/16	7 5/8	11 1/2	-	27 1/4

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor version	DN ₁	DN ₂	a ₂	b ₃	e ₂	f ₂	R ₂	R ₄	R ₄ '
F080-150	018	C	4	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	15 15/16	17 1/2	-
F080-150	018	C	4	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	15 15/16	17 1/2	-
F080-150	023	F	4	U	S	3 1/8	3 1/8	31 7/16	15 3/16	9 1/16	7 5/8	11 1/2	-	26 7/8
F080-150	023	F	4	Y	S	3 1/8	3 1/8	31 3/4	15 3/16	9 1/16	7 5/8	11 1/2	-	27 1/4
F080-150	030	F	4	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	11 5/8	-	29
F080-150	030	F	4	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	11 5/8	-	29 5/16
F080-150	035	F	4	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	11 5/8	-	29
F080-150	035	F	4	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	11 5/8	-	29 5/16
F080-150	036	F	4	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	15 15/16	-	29
F080-150	036	F	4	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	15 15/16	-	29 5/16
F080-150	043	F	4	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	11 5/8	-	29
F080-150	043	F	4	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	11 5/8	-	29 5/16
F080-150	045	C	4	U	S	3 1/8	3 1/8	35 1/16	15 1/8	9 1/16	7 5/8	17 15/16	19 1/2	-
F080-150	045	C	4	Y	S	3 1/8	3 1/8	35 7/16	15 1/8	9 1/16	7 5/8	17 15/16	19 1/2	-
D080-170	046	C	2	U	S	3 1/8	3 1/8	32 15/16	15 3/8	9 1/16	7 3/16	14 5/8	19 3/4	-
D080-170	046	C	2	Y	S	3 1/8	3 1/8	33 5/16	15 3/8	9 1/16	7 3/16	14 5/8	19 3/4	-
D080-170	055	C	2	U	S	3 1/8	3 1/8	33 3/4	15 3/8	9 1/16	7 3/16	16 9/16	17 3/8	-
D080-170	055	C	2	Y	S	3 1/8	3 1/8	34 1/8	15 3/8	9 1/16	7 3/16	16 9/16	17 3/8	-
D080-170	066	F	2	U	S	3 1/8	3 1/8	32 15/16	15 3/8	9 1/16	7 3/16	14 5/8	-	27 5/8
D080-170	066	F	2	Y	S	3 1/8	3 1/8	33 5/16	15 3/8	9 1/16	7 3/16	14 5/8	-	28
D080-170	068	F	2	U	S	3 1/8	3 1/8	32 15/16	15 3/8	9 1/16	7 3/16	14 5/8	-	27 5/8
D080-170	068	F	2	Y	S	3 1/8	3 1/8	33 5/16	15 3/8	9 1/16	7 3/16	14 5/8	-	28
D080-170	071	F	2	U	S	3 1/8	3 1/8	33 3/4	15 3/8	9 1/16	7 3/16	16 9/16	-	28 7/16
D080-170	071	F	2	Y	S	3 1/8	3 1/8	34 1/8	15 3/8	9 1/16	7 3/16	16 9/16	-	28 3/4
D080-170	084	F	2	U	S	3 1/8	3 1/8	33 3/4	15 3/8	9 1/16	7 3/16	16 9/16	-	28 7/16
D080-170	084	F	2	Y	S	3 1/8	3 1/8	34 1/8	15 3/8	9 1/16	7 3/16	16 9/16	-	28 3/4
D080-180	015	C	4	U	S	3 9/16	3 1/8	29 13/16	14 11/16	9 1/16	6 15/16	9 15/16	13 7/8	-
D080-180	015	C	4	Y	S	3 9/16	3 1/8	30 3/16	14 11/16	9 1/16	6 15/16	9 15/16	13 7/8	-
F080-180	015	C	4	U	S	3 1/8	3 1/8	31 7/16	15 3/16	9 1/16	7 5/8	9 15/16	15 7/16	-
F080-180	015	C	4	Y	S	3 1/8	3 1/8	31 3/4	15 3/16	9 1/16	7 5/8	9 15/16	15 7/16	-
D080-180	017	F	4	U	S	3 9/16	3 1/8	29 13/16	14 11/16	9 1/16	6 15/16	12 5/8	-	25 5/16
D080-180	017	F	4	Y	S	3 9/16	3 1/8	30 3/16	14 11/16	9 1/16	6 15/16	12 5/8	-	25 11/16
D080-180	018	C	4	U	S	3 9/16	3 1/8	30 15/16	14 11/16	9 1/16	6 15/16	9 15/16	14 3/16	-
D080-180	018	C	4	Y	S	3 9/16	3 1/8	31 5/16	14 11/16	9 1/16	6 15/16	9 15/16	14 3/16	-
F080-180	018	C	4	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	12 5/8	17 1/2	-
F080-180	018	C	4	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	12 5/8	17 1/2	-
D080-180	023	F	4	U	S	3 9/16	3 1/8	29 13/16	14 11/16	9 1/16	6 15/16	11 1/2	-	25 5/16
D080-180	023	F	4	Y	S	3 9/16	3 1/8	30 3/16	14 11/16	9 1/16	6 15/16	11 1/2	-	25 11/16
F080-180	023	F	4	U	S	3 1/8	3 1/8	31 7/16	15 3/16	9 1/16	7 5/8	15 15/16	-	26 7/8
F080-180	023	F	4	Y	S	3 1/8	3 1/8	31 3/4	15 3/16	9 1/16	7 5/8	15 15/16	-	27 1/4
F080-180	030	F	4	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	11 1/2	-	29
F080-180	030	F	4	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	11 1/2	-	29 5/16
F080-180	035	F	4	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	11 5/8	-	29
F080-180	035	F	4	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	11 5/8	-	29 5/16
D080-180	036	F	4	U	S	3 9/16	3 1/8	30 15/16	14 11/16	9 1/16	6 15/16	11 5/8	-	25 5/8
D080-180	036	F	4	Y	S	3 9/16	3 1/8	31 5/16	14 11/16	9 1/16	6 15/16	11 5/8	-	26

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor version	DN ₁	DN ₂	a ₂	b ₃	e ₂	f ₂	R ₂	R ₄	R ₄ '
F080-180	036	F	4	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	15 15/16	-	29
F080-180	036	F	4	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	15 15/16	-	29 5/16
F080-180	043	F	4	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	11 5/8	-	29
F080-180	043	F	4	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	11 5/8	-	29 5/16
F080-180	045	C	4	U	S	3 1/8	3 1/8	35 1/16	15 1/8	9 1/16	7 5/8	17 15/16	19 1/2	-
F080-180	045	C	4	Y	S	3 1/8	3 1/8	35 7/16	15 1/8	9 1/16	7 5/8	17 15/16	19 1/2	-
F080-180	065	F	4	U	S	3 1/8	3 1/8	35 1/16	15 1/8	9 1/16	7 5/8	17 15/16	-	29 3/4
F080-180	065	F	4	Y	S	3 1/8	3 1/8	35 7/16	15 1/8	9 1/16	7 5/8	17 15/16	-	30 1/8
F080-180	070	F	4	U	S	3 1/8	3 1/8	35 1/16	15 1/8	9 1/16	7 5/8	17 15/16	-	29 3/4
F080-180	070	F	4	Y	S	3 1/8	3 1/8	35 7/16	15 1/8	9 1/16	7 5/8	17 15/16	-	30 1/8
F080-180	077	F	4	U	S	3 1/8	3 1/8	35 1/16	15 1/8	9 1/16	7 5/8	17 15/16	-	29 3/4
F080-180	077	F	4	Y	S	3 1/8	3 1/8	35 7/16	15 1/8	9 1/16	7 5/8	17 15/16	-	30 1/8
F080-220	046	C	2	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	15 15/16	21 1/16	-
F080-220	046	C	2	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	15 15/16	21 1/16	-
F080-220	047	F	2	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	15 15/16	-	29
F080-220	047	F	2	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	15 15/16	-	29 5/16
F080-220	051	F	2	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	15 15/16	-	29
F080-220	051	F	2	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	15 15/16	-	29 5/16
F080-220	055	C	2	U	S	3 1/8	3 1/8	35 1/16	15 1/8	9 1/16	7 5/8	17 15/16	18 11/16	-
F080-220	055	C	2	Y	S	3 1/8	3 1/8	35 7/16	15 1/8	9 1/16	7 5/8	17 15/16	18 11/16	-
F080-220	062	F	2	U	S	3 1/8	3 1/8	35 1/16	15 1/8	9 1/16	7 5/8	17 15/16	-	29 3/4
F080-220	062	F	2	Y	S	3 1/8	3 1/8	35 7/16	15 1/8	9 1/16	7 5/8	17 15/16	-	30 1/8
F080-220	066	F	2	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	15 15/16	-	29
F080-220	066	F	2	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	15 15/16	-	29 5/16
F080-220	068	F	2	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	15 15/16	-	29
F080-220	068	F	2	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	15 15/16	-	29 5/16
F080-220	071	F	2	U	S	3 1/8	3 1/8	35 1/16	15 1/8	9 1/16	7 5/8	17 15/16	-	29 3/4
F080-220	071	F	2	Y	S	3 1/8	3 1/8	35 7/16	15 1/8	9 1/16	7 5/8	17 15/16	-	30 1/8
F080-220	084	F	2	U	S	3 1/8	3 1/8	35 1/16	15 1/8	9 1/16	7 5/8	17 15/16	-	29 3/4
F080-220	084	F	2	Y	S	3 1/8	3 1/8	35 7/16	15 1/8	9 1/16	7 5/8	17 15/16	-	30 1/8
F080-230	017	F	4	U	S	3 1/8	3 1/8	31 7/16	15 3/16	9 1/16	7 5/8	14 5/8	-	26 7/8
F080-230	017	F	4	Y	S	3 1/8	3 1/8	31 3/4	15 3/16	9 1/16	7 5/8	14 5/8	-	27 1/4
F080-230	023	F	4	U	S	3 1/8	3 1/8	31 7/16	15 3/16	9 1/16	7 5/8	10 1/4	-	26 7/8
F080-230	023	F	4	Y	S	3 1/8	3 1/8	31 3/4	15 3/16	9 1/16	7 5/8	10 1/4	-	27 1/4
F080-230	030	F	4	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	16 9/16	-	29
F080-230	030	F	4	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	16 9/16	-	29 5/16
F080-230	035	F	4	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	16 9/16	-	29
F080-230	035	F	4	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	16 9/16	-	29 5/16
D080-230	036	F	4	U	S	3 9/16	3 1/8	32 15/16	15 3/8	9 1/16	7 3/16	16 9/16	-	27 5/8
D080-230	036	F	4	Y	S	3 9/16	3 1/8	33 5/16	15 3/8	9 1/16	7 3/16	16 9/16	-	28
F080-230	036	F	4	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	16 9/16	-	29
F080-230	036	F	4	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	16 9/16	-	29 5/16
D080-230	043	F	4	U	S	3 9/16	3 1/8	32 15/16	15 3/8	9 1/16	7 3/16	11 1/2	-	27 5/8
D080-230	043	F	4	Y	S	3 9/16	3 1/8	33 5/16	15 3/8	9 1/16	7 3/16	11 1/2	-	28
F080-230	043	F	4	U	S	3 1/8	3 1/8	34 5/16	15 1/8	9 1/16	7 3/16	11 1/2	-	29
F080-230	043	F	4	Y	S	3 1/8	3 1/8	34 5/8	15 1/8	9 1/16	7 3/16	11 1/2	-	29 5/16
D080-230	045	C	4	U	S	3 9/16	3 1/8	33 3/4	15 3/8	9 1/16	7 3/16	11 5/8	18 1/8	-

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor version	DN ₁	DN ₂	a ₂	b ₃	e ₂	f ₂	R ₂	R ₄	R ₄ '
D080-230	045	C	4	Y	S	3 9/16	3 1/8	34 1/8	15 3/8	9 1/16	7 3/16	11 5/8	18 1/8	-
F080-230	045	C	4	U	S	3 1/8	3 1/8	35 1/16	15 1/8	9 1/16	7 5/8	11 5/8	19 1/2	-
F080-230	045	C	4	Y	S	3 1/8	3 1/8	35 7/16	15 1/8	9 1/16	7 5/8	11 5/8	19 1/2	-
D080-230	065	F	4	U	S	3 9/16	3 1/8	33 3/4	15 3/8	9 1/16	7 3/16	15 15/16	-	28 7/16
D080-230	065	F	4	Y	S	3 9/16	3 1/8	34 1/8	15 3/8	9 1/16	7 3/16	15 15/16	-	28 3/4
F080-230	065	F	4	U	S	3 1/8	3 1/8	35 1/16	15 1/8	9 1/16	7 5/8	11 5/8	-	29 3/4
F080-230	065	F	4	Y	S	3 1/8	3 1/8	35 7/16	15 1/8	9 1/16	7 5/8	11 5/8	-	30 1/8
D080-230	070	F	4	U	S	3 9/16	3 1/8	33 3/4	15 3/8	9 1/16	7 3/16	17 15/16	-	28 7/16
D080-230	070	F	4	Y	S	3 9/16	3 1/8	34 1/8	15 3/8	9 1/16	7 3/16	17 15/16	-	28 3/4
F080-230	070	F	4	U	S	3 1/8	3 1/8	35 1/16	15 1/8	9 1/16	7 5/8	17 15/16	-	29 3/4
F080-230	070	F	4	Y	S	3 1/8	3 1/8	35 7/16	15 1/8	9 1/16	7 5/8	17 15/16	-	30 1/8
D080-230	077	F	4	U	S	3 9/16	3 1/8	33 3/4	15 3/8	9 1/16	7 3/16	17 15/16	-	28 7/16
D080-230	077	F	4	Y	S	3 9/16	3 1/8	34 1/8	15 3/8	9 1/16	7 3/16	17 15/16	-	28 3/4
F080-230	077	F	4	U	S	3 1/8	3 1/8	35 1/16	15 1/8	9 1/16	7 5/8	17 15/16	-	29 3/4
F080-230	077	F	4	Y	S	3 1/8	3 1/8	35 7/16	15 1/8	9 1/16	7 5/8	17 15/16	-	30 1/8
D100-140	040	F	2	U	S	3 9/16	3 15/16	30 7/8	16 15/16	10 5/8	7 5/8	10 15/16	-	26 5/16
D100-140	040	F	2	Y	S	3 9/16	3 15/16	31 1/4	16 15/16	10 5/8	7 5/8	10 15/16	-	26 11/16
D100-140	042	F	2	U	S	3 9/16	3 15/16	31 15/16	16 15/16	10 5/8	7 5/8	13 5/8	-	26 5/8
D100-140	042	F	2	Y	S	3 9/16	3 15/16	32 5/16	16 15/16	10 5/8	7 5/8	13 5/8	-	27
D100-140	047	F	2	U	S	3 9/16	3 15/16	31 15/16	16 15/16	10 5/8	7 5/8	13 5/8	-	26 5/8
D100-140	047	F	2	Y	S	3 9/16	3 15/16	32 5/16	16 15/16	10 5/8	7 5/8	13 5/8	-	27
D100-140	051	F	2	U	S	3 9/16	3 15/16	31 15/16	16 15/16	10 5/8	7 5/8	13 5/8	-	26 5/8
D100-140	051	F	2	Y	S	3 9/16	3 15/16	32 5/16	16 15/16	10 5/8	7 5/8	13 5/8	-	27
D100-170	051	F	2	U	S	3 9/16	3 15/16	33 1/4	17 5/16	10 5/8	7 5/16	14 7/8	-	27 15/16
D100-170	051	F	2	Y	S	3 9/16	3 15/16	33 9/16	17 5/16	10 5/8	7 5/16	14 7/8	-	28 1/4
D100-170	055	C	2	U	S	3 9/16	3 15/16	34	17 5/16	10 5/8	7 5/16	16 7/8	17 5/8	-
D100-170	055	C	2	Y	S	3 9/16	3 15/16	34 3/8	17 5/16	10 5/8	7 5/16	16 7/8	17 5/8	-
D100-170	062	F	2	U	S	3 9/16	3 15/16	34	17 5/16	10 5/8	7 5/16	16 7/8	-	28 11/16
D100-170	062	F	2	Y	S	3 9/16	3 15/16	34 3/8	17 5/16	10 5/8	7 5/16	16 7/8	-	29 1/16
D100-170	066	F	2	U	S	3 9/16	3 15/16	33 1/4	17 5/16	10 5/8	7 5/16	14 7/8	-	27 15/16
D100-170	066	F	2	Y	S	3 9/16	3 15/16	33 9/16	17 5/16	10 5/8	7 5/16	14 7/8	-	28 1/4
D100-170	068	F	2	U	S	3 9/16	3 15/16	33 1/4	17 5/16	10 5/8	7 5/16	14 7/8	-	27 15/16
D100-170	068	F	2	Y	S	3 9/16	3 15/16	33 9/16	17 5/16	10 5/8	7 5/16	14 7/8	-	28 1/4
D100-170	071	F	2	U	S	3 9/16	3 15/16	34	17 5/16	10 5/8	7 5/16	16 7/8	-	28 11/16
D100-170	071	F	2	Y	S	3 9/16	3 15/16	34 3/8	17 5/16	10 5/8	7 5/16	16 7/8	-	29 1/16
D100-170	084	F	2	U	S	3 9/16	3 15/16	34	17 5/16	10 5/8	7 5/16	16 7/8	-	28 11/16
D100-170	084	F	2	Y	S	3 9/16	3 15/16	34 3/8	17 5/16	10 5/8	7 5/16	16 7/8	-	29 1/16
D100-180	015	C	4	U	S	4 5/16	3 15/16	30 7/8	16 15/16	10 5/8	7 5/8	10 15/16	14 7/8	-
D100-180	015	C	4	Y	S	4 5/16	3 15/16	31 1/4	16 15/16	10 5/8	7 5/8	10 15/16	14 7/8	-
F100-180	015	C	4	U	S	3 15/16	3 15/16	32 5/16	17 1/16	10 5/8	8 1/8	10 15/16	16 5/16	-
F100-180	015	C	4	Y	S	3 15/16	3 15/16	32 11/16	17 1/16	10 5/8	8 1/8	10 15/16	16 5/16	-
D100-180	017	F	4	U	S	4 5/16	3 15/16	30 7/8	16 15/16	10 5/8	7 5/8	13 5/8	-	26 5/16
D100-180	017	F	4	Y	S	4 5/16	3 15/16	31 1/4	16 15/16	10 5/8	7 5/8	13 5/8	-	26 11/16

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor version	DN ₁	DN ₂	a ₂	b ₃	e ₂	f ₂	R ₂	R ₄	R ₄ '
F100-180	017	F	4	U	S	3 15/16	3 15/16	32 5/16	17 1/16	10 5/8	8 1/8	10 15/16	-	27 13/16
F100-180	017	F	4	Y	S	3 15/16	3 15/16	32 11/16	17 1/16	10 5/8	8 1/8	10 15/16	-	28 1/8
D100-180	018	C	4	U	S	4 5/16	3 15/16	31 15/16	16 15/16	10 5/8	7 5/8	13 5/8	15 3/16	-
D100-180	018	C	4	Y	S	4 5/16	3 15/16	32 5/16	16 15/16	10 5/8	7 5/8	13 5/8	15 3/16	-
F100-180	018	C	4	U	S	3 15/16	3 15/16	35 3/16	17 1/16	10 5/8	8 1/8	12 3/8	18 7/16	-
F100-180	018	C	4	Y	S	3 15/16	3 15/16	35 9/16	17 1/16	10 5/8	8 1/8	12 3/8	18 7/16	-
D100-180	023	F	4	U	S	4 5/16	3 15/16	30 7/8	16 15/16	10 5/8	7 5/8	12 3/8	-	26 5/16
D100-180	023	F	4	Y	S	4 5/16	3 15/16	31 1/4	16 15/16	10 5/8	7 5/8	12 3/8	-	26 11/16
F100-180	023	F	4	U	S	3 15/16	3 15/16	32 5/16	17 1/16	10 5/8	8 1/8	16 7/8	-	27 13/16
F100-180	023	F	4	Y	S	3 15/16	3 15/16	32 11/16	17 1/16	10 5/8	8 1/8	16 7/8	-	28 1/8
F100-180	030	F	4	U	S	3 15/16	3 15/16	35 3/16	17 1/16	10 5/8	8 1/8	12 3/8	-	29 7/8
F100-180	030	F	4	Y	S	3 15/16	3 15/16	35 9/16	17 1/16	10 5/8	8 1/8	12 3/8	-	30 1/4
F100-180	035	F	4	U	S	3 15/16	3 15/16	35 3/16	17 1/16	10 5/8	8 1/8	12 1/2	-	29 7/8
F100-180	035	F	4	Y	S	3 15/16	3 15/16	35 9/16	17 1/16	10 5/8	8 1/8	12 1/2	-	30 1/4
D100-180	036	F	4	U	S	4 5/16	3 15/16	31 15/16	16 15/16	10 5/8	7 5/8	12 1/2	-	26 5/8
D100-180	036	F	4	Y	S	4 5/16	3 15/16	32 5/16	16 15/16	10 5/8	7 5/8	12 1/2	-	27
F100-180	036	F	4	U	S	3 15/16	3 15/16	35 3/16	17 1/16	10 5/8	8 1/8	16 7/8	-	29 7/8
F100-180	036	F	4	Y	S	3 15/16	3 15/16	35 9/16	17 1/16	10 5/8	8 1/8	16 7/8	-	30 1/4
F100-180	043	F	4	U	S	3 15/16	3 15/16	35 3/16	17 1/16	10 5/8	8 1/8	12 1/2	-	29 7/8
F100-180	043	F	4	Y	S	3 15/16	3 15/16	35 9/16	17 1/16	10 5/8	8 1/8	12 1/2	-	30 1/4
F100-180	045	C	4	U	S	3 15/16	3 15/16	36	17 1/16	10 5/8	8 1/8	18 13/16	20 3/8	-
F100-180	045	C	4	Y	S	3 15/16	3 15/16	36 5/16	17 1/16	10 5/8	8 1/8	18 13/16	20 3/8	-
F100-180	065	F	4	U	S	3 15/16	3 15/16	36	17 1/16	10 5/8	8 1/8	18 13/16	-	30 11/16
F100-180	065	F	4	Y	S	3 15/16	3 15/16	36 5/16	17 1/16	10 5/8	8 1/8	18 13/16	-	31
D100-230	035	F	4	U	S	4 5/16	3 15/16	33 1/4	17 5/16	10 5/8	7 5/16	10 9/16	-	27 15/16
D100-230	035	F	4	Y	S	4 5/16	3 15/16	33 9/16	17 5/16	10 5/8	7 5/16	10 9/16	-	28 1/4
F100-230	035	F	4	U	S	3 15/16	3 15/16	35 3/16	17 1/16	10 5/8	8 1/8	10 9/16	-	29 7/8
F100-230	035	F	4	Y	S	3 15/16	3 15/16	35 9/16	17 1/16	10 5/8	8 1/8	10 9/16	-	30 1/4
F100-230	036	F	4	U	S	3 15/16	3 15/16	35 3/16	17 1/16	10 5/8	8 1/8	16 7/8	-	29 7/8
F100-230	036	F	4	Y	S	3 15/16	3 15/16	35 9/16	17 1/16	10 5/8	8 1/8	16 7/8	-	30 1/4
D100-230	043	F	4	U	S	4 5/16	3 15/16	33 1/4	17 5/16	10 5/8	7 5/16	16 7/8	-	27 15/16
D100-230	043	F	4	Y	S	4 5/16	3 15/16	33 9/16	17 5/16	10 5/8	7 5/16	16 7/8	-	28 1/4
F100-230	043	F	4	U	S	3 15/16	3 15/16	35 3/16	17 1/16	10 5/8	8 1/8	16 7/8	-	29 7/8
F100-230	043	F	4	Y	S	3 15/16	3 15/16	35 9/16	17 1/16	10 5/8	8 1/8	16 7/8	-	30 1/4
D100-230	045	C	4	U	S	4 5/16	3 15/16	34	17 5/16	10 5/8	7 5/16	16 7/8	18 7/16	-
D100-230	045	C	4	Y	S	4 5/16	3 15/16	34 3/8	17 5/16	10 5/8	7 5/16	16 7/8	18 7/16	-
F100-230	045	C	4	U	S	3 15/16	3 15/16	36	17 1/16	10 5/8	8 1/8	12 1/2	20 3/8	-
F100-230	045	C	4	Y	S	3 15/16	3 15/16	36 5/16	17 1/16	10 5/8	8 1/8	12 1/2	20 3/8	-
D100-230	065	F	4	U	S	4 5/16	3 15/16	34	17 5/16	10 5/8	7 5/16	16 7/8	-	28 11/16
D100-230	065	F	4	Y	S	4 5/16	3 15/16	34 3/8	17 5/16	10 5/8	7 5/16	16 7/8	-	29 1/16
F100-230	065	F	4	U	S	3 15/16	3 15/16	36	17 1/16	10 5/8	8 1/8	12 1/2	-	30 11/16
F100-230	065	F	4	Y	S	3 15/16	3 15/16	36 5/16	17 1/16	10 5/8	8 1/8	12 1/2	-	31
D100-230	070	F	4	U	S	4 5/16	3 15/16	34	17 5/16	10 5/8	7 5/16	18 13/16	-	28 11/16
D100-230	070	F	4	Y	S	4 5/16	3 15/16	34 3/8	17 5/16	10 5/8	7 5/16	18 13/16	-	29 1/16
F100-230	070	F	4	U	S	3 15/16	3 15/16	36	17 1/16	10 5/8	8 1/8	18 13/16	-	30 11/16

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor version	DN ₁	DN ₂	a ₂	b ₃	e ₂	f ₂	R ₂	R ₄	R ₄ '
F100-230	070	F	4	Y	S	3 15/16	3 15/16	36 5/16	17 1/16	10 5/8	8 1/8	18 13/16	-	31
D100-230	077	F	4	U	S	4 5/16	3 15/16	34	17 5/16	10 5/8	7 5/16	18 13/16	-	28 11/16
D100-230	077	F	4	Y	S	4 5/16	3 15/16	34 3/8	17 5/16	10 5/8	7 5/16	18 13/16	-	29 1/16
F100-230	077	F	4	U	S	3 15/16	3 15/16	36	17 1/16	10 5/8	8 1/8	18 13/16	-	30 11/16
F100-230	077	F	4	Y	S	3 15/16	3 15/16	36 5/16	17 1/16	10 5/8	8 1/8	18 13/16	-	31
F150-180	045	C	4	U	S	5 7/8	5 7/8	36 7/16	20 3/16	12 5/8	8 9/16	19 5/16	20 7/8	-
F150-180	045	C	4	Y	S	5 7/8	5 7/8	36 13/16	20 3/16	12 5/8	8 9/16	19 5/16	20 7/8	-
F150-180	065	F	4	U	S	5 7/8	5 7/8	36 7/16	20 3/16	12 5/8	8 9/16	19 5/16	-	31 1/8
F150-180	065	F	4	Y	S	5 7/8	5 7/8	36 13/16	20 3/16	12 5/8	8 9/16	19 5/16	-	31 1/2
F150-180	070	F	4	U	S	5 7/8	5 7/8	36 7/16	20 3/16	12 5/8	8 9/16	19 5/16	-	31 1/8
F150-180	070	F	4	Y	S	5 7/8	5 7/8	36 13/16	20 3/16	12 5/8	8 9/16	19 5/16	-	31 1/2
F150-180	077	F	4	U	S	5 7/8	5 7/8	36 7/16	20 3/16	12 5/8	8 9/16	19 5/16	-	31 1/8
F150-180	077	F	4	Y	S	5 7/8	5 7/8	36 13/16	20 3/16	12 5/8	8 9/16	19 5/16	-	31 1/2
D150-230	045	C	4	U	S	5 7/8	5 7/8	36 7/16	20 3/16	12 5/8	8 9/16	19 5/16	20 7/8	-
D150-230	045	C	4	Y	S	5 7/8	5 7/8	36 13/16	20 3/16	12 5/8	8 9/16	19 5/16	20 7/8	-
F150-230	065	F	4	U	S	5 7/8	5 7/8	36 7/16	20 3/16	12 5/8	8 9/16	19 5/16	-	31 1/8
F150-230	065	F	4	Y	S	5 7/8	5 7/8	36 13/16	20 3/16	12 5/8	8 9/16	19 5/16	-	31 1/2
D150-230	065	F	4	U	S	5 7/8	5 7/8	36 7/16	20 3/16	12 5/8	8 9/16	19 5/16	-	31 1/8
D150-230	065	F	4	Y	S	5 7/8	5 7/8	36 13/16	20 3/16	12 5/8	8 9/16	19 5/16	-	31 1/2
F150-230	070	F	4	U	S	5 7/8	5 7/8	36 7/16	20 3/16	12 5/8	8 9/16	19 5/16	-	31 1/8
F150-230	070	F	4	Y	S	5 7/8	5 7/8	36 13/16	20 3/16	12 5/8	8 9/16	19 5/16	-	31 1/2
D150-230	070	F	4	U	S	5 7/8	5 7/8	36 7/16	20 3/16	12 5/8	8 9/16	19 5/16	-	31 1/8
D150-230	070	F	4	Y	S	5 7/8	5 7/8	36 13/16	20 3/16	12 5/8	8 9/16	19 5/16	-	31 1/2
F150-230	077	F	4	U	S	5 7/8	5 7/8	36 7/16	20 3/16	12 5/8	8 9/16	19 5/16	-	31 1/8
F150-230	077	F	4	Y	S	5 7/8	5 7/8	36 13/16	20 3/16	12 5/8	8 9/16	19 5/16	-	31 1/2
D150-230	077	F	4	U	S	5 7/8	5 7/8	36 7/16	20 3/16	12 5/8	8 9/16	19 5/16	-	31 1/8
D150-230	077	F	4	Y	S	5 7/8	5 7/8	36 13/16	20 3/16	12 5/8	8 9/16	19 5/16	-	31 1/2

Table 10: Pump dimensions [mm]

Size	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₂	b ₃	e ₂	f ₂	R ₂	R ₄	R ₄ '
F050-140	018	C	2	U	S	42	50	715	279	170	163	239	409	-
F050-140	018	C	2	Y	S	42	50	724	279	170	163	239	409	-
F050-140	023	F	2	U	S	42	50	715	279	170	163	239	-	600
F050-140	023	F	2	Y	S	42	50	724	279	170	163	239	-	609
F050-220	022	C	2	U	S	42	50	753	311	180	163	247	347	-
F050-220	022	C	2	Y	S	42	50	762	311	180	163	247	347	-
F050-220	024	F	2	U	S	42	50	753	311	180	163	247	-	638
F050-220	024	F	2	Y	S	42	50	762	311	180	163	247	-	647
F050-220	029	C	2	U	S	42	50	753	311	180	163	247	432	-
F050-220	029	C	2	Y	S	42	50	762	311	180	163	247	432	-
F050-220	030	C	2	U	S	42	50	826	311	180	163	360	400	-
F050-220	030	C	2	Y	S	42	50	835	311	180	163	360	400	-
F050-220	040	F	2	U	S	42	50	753	311	180	163	247	-	638
F050-220	040	F	2	Y	S	42	50	762	311	180	163	247	-	647
F050-220	042	F	2	U	S	42	50	826	311	180	163	360	-	691

Size	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₂	b ₃	e ₂	f ₂	R ₂	R ₄	R ₄ '
F050-220	042	F	2	Y	S	42	50	835	311	180	163	360	-	700
F050-220	046	C	2	U	S	42	50	826	311	180	163	360	490	-
F050-220	046	C	2	Y	S	42	50	835	311	180	163	360	490	-
F050-220	047	F	2	U	S	42	50	826	311	180	163	360	-	691
F050-220	047	F	2	Y	S	42	50	835	311	180	163	360	-	700
F050-220	051	F	2	U	S	42	50	826	311	180	163	360	-	691
F050-220	051	F	2	Y	S	42	50	835	311	180	163	360	-	700
F050-220	066	F	2	U	S	42	50	826	311	180	163	360	-	691
F050-220	066	F	2	Y	S	42	50	835	311	180	163	360	-	700
F050-220	068	F	2	U	S	42	50	826	311	180	163	360	-	691
F050-220	068	F	2	Y	S	42	50	835	311	180	163	360	-	700
F065-150	015	C	4	U	S	65	65	784	351	210	184	278	378	-
F065-150	015	C	4	Y	S	65	65	793	351	210	184	278	378	-
F065-150	017	F	4	U	S	65	65	784	351	210	184	278	-	669
F065-150	017	F	4	Y	S	65	65	793	351	210	184	278	-	678
F065-150	018	C	4	U	S	65	65	856	351	210	184	390	430	-
F065-150	018	C	4	Y	S	65	65	865	351	210	184	390	430	-
F065-150	023	F	4	U	S	65	65	784	351	210	184	278	-	669
F065-150	023	F	4	Y	S	65	65	793	351	210	184	278	-	678
F065-150	030	F	4	U	S	65	65	856	351	210	184	280	-	721
F065-150	030	F	4	Y	S	65	65	865	351	210	184	280	-	730
F065-150	035	F	4	U	S	65	65	856	351	210	184	280	-	721
F065-150	035	F	4	Y	S	65	65	865	351	210	184	280	-	730
F065-150	036	F	4	U	S	65	65	856	351	210	184	390	-	721
F065-150	036	F	4	Y	S	65	65	865	351	210	184	390	-	730
F065-150	043	F	4	U	S	65	65	856	351	210	184	280	-	721
F065-150	043	F	4	Y	S	65	65	865	351	210	184	280	-	730
F065-170	022	C	2	U	S	65	65	784	351	210	184	278	378	-
F065-170	022	C	2	Y	S	65	65	793	351	210	184	278	378	-
F065-170	024	F	2	U	S	65	65	784	351	210	184	278	-	669
F065-170	024	F	2	Y	S	65	65	793	351	210	184	278	-	678
F065-170	029	C	2	U	S	65	65	784	351	210	184	278	463	-
F065-170	029	C	2	Y	S	65	65	793	351	210	184	278	463	-
F065-170	030	C	2	U	S	65	65	856	351	210	184	390	430	-
F065-170	030	C	2	Y	S	65	65	865	351	210	184	390	430	-
F065-170	040	F	2	U	S	65	65	784	351	210	184	278	-	669
F065-170	040	F	2	Y	S	65	65	793	351	210	184	278	-	678
F065-170	042	F	2	U	S	65	65	856	351	210	184	390	-	721
F065-170	042	F	2	Y	S	65	65	865	351	210	184	390	-	730
F065-170	046	C	2	U	S	65	65	856	351	210	184	390	520	-
F065-170	046	C	2	Y	S	65	65	865	351	210	184	390	520	-
F065-170	047	F	2	U	S	65	65	856	351	210	184	390	-	721
F065-170	047	F	2	Y	S	65	65	865	351	210	184	390	-	730
F065-170	051	F	2	U	S	65	65	856	351	210	184	390	-	721
F065-170	051	F	2	Y	S	65	65	865	351	210	184	390	-	730
F065-170	066	F	2	U	S	65	65	856	351	210	184	390	-	721
F065-170	066	F	2	Y	S	65	65	865	351	210	184	390	-	730
F065-170	068	F	2	U	S	65	65	856	351	210	184	390	-	721
F065-170	068	F	2	Y	S	65	65	865	351	210	184	390	-	730
F065-230	015	C	4	U	S	65	65	784	351	210	184	278	378	-
F065-230	015	C	4	Y	S	65	65	793	351	210	184	278	378	-
F065-230	017	F	4	U	S	65	65	784	351	210	184	278	-	669
F065-230	017	F	4	Y	S	65	65	793	351	210	184	278	-	678
F065-230	018	C	4	U	S	65	65	856	351	210	184	390	430	-

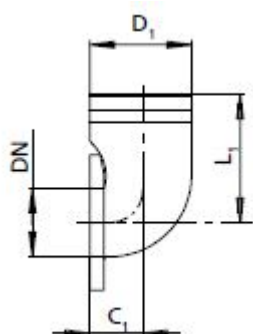
Size	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₂	b ₃	e ₂	f ₂	R ₂	R ₄	R ₄ '
F065-230	018	C	4	Y	S	65	65	865	351	210	184	390	430	-
F065-230	023	F	4	U	S	65	65	784	351	210	184	278	-	669
F065-230	023	F	4	Y	S	65	65	793	351	210	184	278	-	678
F065-230	030	F	4	U	S	65	65	856	351	210	184	280	-	721
F065-230	030	F	4	Y	S	65	65	865	351	210	184	280	-	730
F065-230	035	F	4	U	S	65	65	856	351	210	184	280	-	721
F065-230	035	F	4	Y	S	65	65	865	351	210	184	280	-	730
F065-230	036	F	4	U	S	65	65	856	351	210	184	390	-	721
F065-230	036	F	4	Y	S	65	65	865	351	210	184	390	-	730
F065-230	043	F	4	U	S	65	65	856	351	210	184	280	-	721
F065-230	043	F	4	Y	S	65	65	865	351	210	184	280	-	730
D080-140	029	C	2	U	S	80	80	758	373	230	176	252	437	-
D080-140	029	C	2	Y	S	80	80	767	373	230	176	252	437	-
D080-140	030	C	2	U	S	80	80	786	373	230	176	320	360	-
D080-140	030	C	2	Y	S	80	80	795	373	230	176	320	360	-
D080-140	040	F	2	U	S	80	80	758	373	230	176	252	-	643
D080-140	040	F	2	Y	S	80	80	767	373	230	176	252	-	652
D080-140	042	F	2	U	S	80	80	786	373	230	176	320	-	651
D080-140	042	F	2	Y	S	80	80	795	373	230	176	320	-	660
D080-140	047	F	2	U	S	80	80	786	373	230	176	320	-	651
D080-140	047	F	2	Y	S	80	80	795	373	230	176	320	-	660
D080-140	051	F	2	U	S	80	80	786	373	230	176	320	-	651
D080-140	051	F	2	Y	S	80	80	795	373	230	176	320	-	660
F080-150	015	C	4	U	S	80	80	798	385	230	194	292	392	-
F080-150	015	C	4	Y	S	80	80	807	385	230	194	292	392	-
F080-150	017	F	4	U	S	80	80	798	385	230	194	292	-	683
F080-150	017	F	4	Y	S	80	80	807	385	230	194	292	-	692
F080-150	018	C	4	U	S	80	80	871	384	230	182	405	445	-
F080-150	018	C	4	Y	S	80	80	880	384	230	182	405	445	-
F080-150	023	F	4	U	S	80	80	798	385	230	194	292	-	683
F080-150	023	F	4	Y	S	80	80	807	385	230	194	292	-	692
F080-150	030	F	4	U	S	80	80	871	384	230	182	295	-	736
F080-150	030	F	4	Y	S	80	80	880	384	230	182	295	-	745
F080-150	035	F	4	U	S	80	80	871	384	230	182	295	-	736
F080-150	035	F	4	Y	S	80	80	880	384	230	182	295	-	745
F080-150	036	F	4	U	S	80	80	871	384	230	182	405	-	736
F080-150	036	F	4	Y	S	80	80	880	384	230	182	405	-	745
F080-150	043	F	4	U	S	80	80	871	384	230	182	295	-	736
F080-150	043	F	4	Y	S	80	80	880	384	230	182	295	-	745
F080-150	045	C	4	U	S	80	80	891	384	230	194	455	495	-
F080-150	045	C	4	Y	S	80	80	900	384	230	194	455	495	-
D080-170	046	C	2	U	S	80	80	837	390	230	182	371	501	-
D080-170	046	C	2	Y	S	80	80	846	390	230	182	371	501	-
D080-170	055	C	2	U	S	80	80	857	390	230	182	421	441	-
D080-170	055	C	2	Y	S	80	80	866	390	230	182	421	441	-
D080-170	066	F	2	U	S	80	80	837	390	230	182	371	-	702
D080-170	066	F	2	Y	S	80	80	846	390	230	182	371	-	711
D080-170	068	F	2	U	S	80	80	837	390	230	182	371	-	702
D080-170	068	F	2	Y	S	80	80	846	390	230	182	371	-	711
D080-170	071	F	2	U	S	80	80	857	390	230	182	421	-	722
D080-170	071	F	2	Y	S	80	80	866	390	230	182	421	-	731
D080-170	084	F	2	U	S	80	80	857	390	230	182	421	-	722
D080-170	084	F	2	Y	S	80	80	866	390	230	182	421	-	731
D080-180	015	C	4	U	S	90	80	758	373	230	176	252	352	-

Size	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₂	b ₃	e ₂	f ₂	R ₂	R ₄	R ₄ '
D080-180	015	C	4	Y	S	90	80	767	373	230	176	252	352	-
F080-180	015	C	4	U	S	80	80	798	385	230	194	252	392	-
F080-180	015	C	4	Y	S	80	80	807	385	230	194	252	392	-
D080-180	017	F	4	U	S	90	80	758	373	230	176	320	-	643
D080-180	017	F	4	Y	S	90	80	767	373	230	176	320	-	652
D080-180	018	C	4	U	S	90	80	786	373	230	176	252	360	-
D080-180	018	C	4	Y	S	90	80	795	373	230	176	252	360	-
F080-180	018	C	4	U	S	80	80	871	384	230	182	320	445	-
F080-180	018	C	4	Y	S	80	80	880	384	230	182	320	445	-
D080-180	023	F	4	U	S	90	80	758	373	230	176	292	-	643
D080-180	023	F	4	Y	S	90	80	767	373	230	176	292	-	652
F080-180	023	F	4	U	S	80	80	798	385	230	194	405	-	683
F080-180	023	F	4	Y	S	80	80	807	385	230	194	405	-	692
F080-180	030	F	4	U	S	80	80	871	384	230	182	292	-	736
F080-180	030	F	4	Y	S	80	80	880	384	230	182	292	-	745
F080-180	035	F	4	U	S	80	80	871	384	230	182	295	-	736
F080-180	035	F	4	Y	S	80	80	880	384	230	182	295	-	745
D080-180	036	F	4	U	S	90	80	786	373	230	176	295	-	651
D080-180	036	F	4	Y	S	90	80	795	373	230	176	295	-	660
F080-180	036	F	4	U	S	80	80	871	384	230	182	405	-	736
F080-180	036	F	4	Y	S	80	80	880	384	230	182	405	-	745
F080-180	043	F	4	U	S	80	80	871	384	230	182	295	-	736
F080-180	043	F	4	Y	S	80	80	880	384	230	182	295	-	745
F080-180	045	C	4	U	S	80	80	891	384	230	194	455	495	-
F080-180	045	C	4	Y	S	80	80	900	384	230	194	455	495	-
F080-180	065	F	4	U	S	80	80	891	384	230	194	455	-	756
F080-180	065	F	4	Y	S	80	80	900	384	230	194	455	-	765
F080-180	070	F	4	U	S	80	80	891	384	230	194	455	-	756
F080-180	070	F	4	Y	S	80	80	900	384	230	194	455	-	765
F080-180	077	F	4	U	S	80	80	891	384	230	194	455	-	756
F080-180	077	F	4	Y	S	80	80	900	384	230	194	455	-	765
F080-220	046	C	2	U	S	80	80	871	384	230	182	405	535	-
F080-220	046	C	2	Y	S	80	80	880	384	230	182	405	535	-
F080-220	047	F	2	U	S	80	80	871	384	230	182	405	-	736
F080-220	047	F	2	Y	S	80	80	880	384	230	182	405	-	745
F080-220	051	F	2	U	S	80	80	871	384	230	182	405	-	736
F080-220	051	F	2	Y	S	80	80	880	384	230	182	405	-	745
F080-220	055	C	2	U	S	80	80	891	384	230	194	455	475	-
F080-220	055	C	2	Y	S	80	80	900	384	230	194	455	475	-
F080-220	062	F	2	U	S	80	80	891	384	230	194	455	-	756
F080-220	062	F	2	Y	S	80	80	900	384	230	194	455	-	765
F080-220	066	F	2	U	S	80	80	871	384	230	182	405	-	736
F080-220	066	F	2	Y	S	80	80	880	384	230	182	405	-	745
F080-220	068	F	2	U	S	80	80	871	384	230	182	405	-	736
F080-220	068	F	2	Y	S	80	80	880	384	230	182	405	-	745
F080-220	071	F	2	U	S	80	80	891	384	230	194	455	-	756
F080-220	071	F	2	Y	S	80	80	900	384	230	194	455	-	765
F080-220	084	F	2	U	S	80	80	891	384	230	194	455	-	756
F080-220	084	F	2	Y	S	80	80	900	384	230	194	455	-	765
F080-230	017	F	4	U	S	80	80	798	385	230	194	371	-	683
F080-230	017	F	4	Y	S	80	80	807	385	230	194	371	-	692
F080-230	023	F	4	U	S	80	80	798	385	230	194	261	-	683
F080-230	023	F	4	Y	S	80	80	807	385	230	194	261	-	692
F080-230	030	F	4	U	S	80	80	871	384	230	182	421	-	736

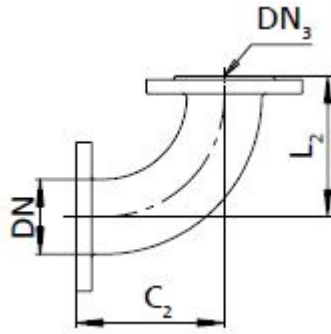
Size	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₂	b ₃	e ₂	f ₂	R ₂	R ₄	R ₄ '
F080-230	030	F	4	Y	S	80	80	880	384	230	182	421	-	745
F080-230	035	F	4	U	S	80	80	871	384	230	182	421	-	736
F080-230	035	F	4	Y	S	80	80	880	384	230	182	421	-	745
D080-230	036	F	4	U	S	90	80	837	390	230	182	421	-	702
D080-230	036	F	4	Y	S	90	80	846	390	230	182	421	-	711
F080-230	036	F	4	U	S	80	80	871	384	230	182	421	-	736
F080-230	036	F	4	Y	S	80	80	880	384	230	182	421	-	745
D080-230	043	F	4	U	S	90	80	837	390	230	182	292	-	702
D080-230	043	F	4	Y	S	90	80	846	390	230	182	292	-	711
F080-230	043	F	4	U	S	80	80	871	384	230	182	292	-	736
F080-230	043	F	4	Y	S	80	80	880	384	230	182	292	-	745
D080-230	045	C	4	U	S	90	80	857	390	230	182	295	461	-
D080-230	045	C	4	Y	S	90	80	866	390	230	182	295	461	-
F080-230	045	C	4	U	S	80	80	891	384	230	194	295	495	-
F080-230	045	C	4	Y	S	80	80	900	384	230	194	295	495	-
D080-230	065	F	4	U	S	90	80	857	390	230	182	405	-	722
D080-230	065	F	4	Y	S	90	80	866	390	230	182	405	-	731
F080-230	065	F	4	U	S	80	80	891	384	230	194	295	-	756
F080-230	065	F	4	Y	S	80	80	900	384	230	194	295	-	765
D080-230	070	F	4	U	S	90	80	857	390	230	182	455	-	722
D080-230	070	F	4	Y	S	90	80	866	390	230	182	455	-	731
F080-230	070	F	4	U	S	80	80	891	384	230	194	455	-	756
F080-230	070	F	4	Y	S	80	80	900	384	230	194	455	-	765
D080-230	077	F	4	U	S	90	80	857	390	230	182	455	-	722
D080-230	077	F	4	Y	S	90	80	866	390	230	182	455	-	731
F080-230	077	F	4	U	S	80	80	891	384	230	194	455	-	756
F080-230	077	F	4	Y	S	80	80	900	384	230	194	455	-	765
D100-140	040	F	2	U	S	90	100	784	431	270	193	278	-	669
D100-140	040	F	2	Y	S	90	100	793	431	270	193	278	-	678
D100-140	042	F	2	U	S	90	100	812	431	270	193	346	-	677
D100-140	042	F	2	Y	S	90	100	821	431	270	193	346	-	686
D100-140	047	F	2	U	S	90	100	812	431	270	193	346	-	677
D100-140	047	F	2	Y	S	90	100	821	431	270	193	346	-	686
D100-140	051	F	2	U	S	90	100	812	431	270	193	346	-	677
D100-140	051	F	2	Y	S	90	100	821	431	270	193	346	-	686
D100-170	051	F	2	U	S	90	100	844	440	270	186	378	-	709
D100-170	051	F	2	Y	S	90	100	853	440	270	186	378	-	718
D100-170	055	C	2	U	S	90	100	864	440	270	186	428	448	-
D100-170	055	C	2	Y	S	90	100	873	440	270	186	428	448	-
D100-170	062	F	2	U	S	90	100	864	440	270	186	428	-	729
D100-170	062	F	2	Y	S	90	100	873	440	270	186	428	-	738
D100-170	066	F	2	U	S	90	100	844	440	270	186	378	-	709
D100-170	066	F	2	Y	S	90	100	853	440	270	186	378	-	718
D100-170	068	F	2	U	S	90	100	844	440	270	186	378	-	709
D100-170	068	F	2	Y	S	90	100	853	440	270	186	378	-	718
D100-170	071	F	2	U	S	90	100	864	440	270	186	428	-	729
D100-170	071	F	2	Y	S	90	100	873	440	270	186	428	-	738
D100-170	084	F	2	U	S	90	100	864	440	270	186	428	-	729
D100-170	084	F	2	Y	S	90	100	873	440	270	186	428	-	738
D100-180	015	C	4	U	S	110	100	784	431	270	193	278	378	-
D100-180	015	C	4	Y	S	110	100	793	431	270	193	278	378	-
F100-180	015	C	4	U	S	100	100	821	433	270	207	278	415	-
F100-180	015	C	4	Y	S	100	100	830	433	270	207	278	415	-
D100-180	017	F	4	U	S	110	100	784	431	270	193	346	-	669

Size	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₂	b ₃	e ₂	f ₂	R ₂	R ₄	R ₄ '
D100-180	017	F	4	Y	S	110	100	793	431	270	193	346	-	678
F100-180	017	F	4	U	S	100	100	821	433	270	207	278	-	706
F100-180	017	F	4	Y	S	100	100	830	433	270	207	278	-	715
D100-180	018	C	4	U	S	110	100	812	431	270	193	346	386	-
D100-180	018	C	4	Y	S	110	100	821	431	270	193	346	386	-
F100-180	018	C	4	U	S	100	100	894	433	270	207	315	468	-
F100-180	018	C	4	Y	S	100	100	903	433	270	207	315	468	-
D100-180	023	F	4	U	S	110	100	784	431	270	193	315	-	669
D100-180	023	F	4	Y	S	110	100	793	431	270	193	315	-	678
F100-180	023	F	4	U	S	100	100	821	433	270	207	428	-	706
F100-180	023	F	4	Y	S	100	100	830	433	270	207	428	-	715
F100-180	030	F	4	U	S	100	100	894	433	270	207	315	-	759
F100-180	030	F	4	Y	S	100	100	903	433	270	207	315	-	768
F100-180	035	F	4	U	S	100	100	894	433	270	207	318	-	759
F100-180	035	F	4	Y	S	100	100	903	433	270	207	318	-	768
D100-180	036	F	4	U	S	110	100	812	431	270	193	318	-	677
D100-180	036	F	4	Y	S	110	100	821	431	270	193	318	-	686
F100-180	036	F	4	U	S	100	100	894	433	270	207	428	-	759
F100-180	036	F	4	Y	S	100	100	903	433	270	207	428	-	768
F100-180	043	F	4	U	S	100	100	894	433	270	207	318	-	759
F100-180	043	F	4	Y	S	100	100	903	433	270	207	318	-	768
F100-180	045	C	4	U	S	100	100	914	433	270	207	478	518	-
F100-180	045	C	4	Y	S	100	100	923	433	270	207	478	518	-
F100-180	065	F	4	U	S	100	100	914	433	270	207	478	-	779
F100-180	065	F	4	Y	S	100	100	923	433	270	207	478	-	788
D100-230	035	F	4	U	S	110	100	844	440	270	186	268	-	709
D100-230	035	F	4	Y	S	110	100	853	440	270	186	268	-	718
F100-230	035	F	4	U	S	100	100	894	433	270	207	268	-	759
F100-230	035	F	4	Y	S	100	100	903	433	270	207	268	-	768
F100-230	036	F	4	U	S	100	100	894	433	270	207	428	-	759
F100-230	036	F	4	Y	S	100	100	903	433	270	207	428	-	768
D100-230	043	F	4	U	S	110	100	844	440	270	186	428	-	709
D100-230	043	F	4	Y	S	110	100	853	440	270	186	428	-	718
F100-230	043	F	4	U	S	100	100	894	433	270	207	428	-	759
F100-230	043	F	4	Y	S	100	100	903	433	270	207	428	-	768
D100-230	045	C	4	U	S	110	100	864	440	270	186	428	468	-
D100-230	045	C	4	Y	S	110	100	873	440	270	186	428	468	-
F100-230	045	C	4	U	S	100	100	914	433	270	207	318	518	-
F100-230	045	C	4	Y	S	100	100	923	433	270	207	318	518	-
D100-230	065	F	4	U	S	110	100	864	440	270	186	428	-	729
D100-230	065	F	4	Y	S	110	100	873	440	270	186	428	-	738
F100-230	065	F	4	U	S	100	100	914	433	270	207	318	-	779
F100-230	065	F	4	Y	S	100	100	923	433	270	207	318	-	788
D100-230	070	F	4	U	S	110	100	864	440	270	186	478	-	729
D100-230	070	F	4	Y	S	110	100	873	440	270	186	478	-	738
F100-230	070	F	4	U	S	100	100	914	433	270	207	478	-	779
F100-230	070	F	4	Y	S	100	100	923	433	270	207	478	-	788
D100-230	077	F	4	U	S	110	100	864	440	270	186	478	-	729
D100-230	077	F	4	Y	S	110	100	873	440	270	186	478	-	738
F100-230	077	F	4	U	S	100	100	914	433	270	207	478	-	779
F100-230	077	F	4	Y	S	100	100	923	433	270	207	478	-	788
F150-180	045	C	4	U	S	150	150	926	512	320	217	490	530	-
F150-180	045	C	4	Y	S	150	150	935	512	320	217	490	530	-
F150-180	065	F	4	U	S	150	150	926	512	320	217	490	-	791

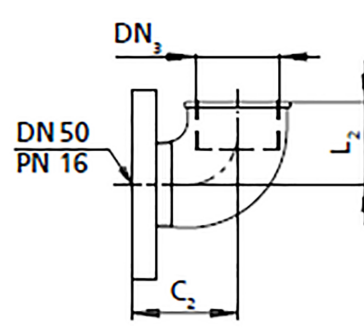
Size	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₂	b ₃	e ₂	f ₂	R ₂	R ₄	R ₄ '
F150-180	065	F	4	Y	S	150	150	935	512	320	217	490	-	800
F150-180	070	F	4	U	S	150	150	926	512	320	217	490	-	791
F150-180	070	F	4	Y	S	150	150	935	512	320	217	490	-	800
F150-180	077	F	4	U	S	150	150	926	512	320	217	490	-	791
F150-180	077	F	4	Y	S	150	150	935	512	320	217	490	-	800
D150-230	045	C	4	U	S	150	150	926	512	320	217	490	530	-
D150-230	045	C	4	Y	S	150	150	935	512	320	217	490	530	-
F150-230	065	F	4	U	S	150	150	926	512	320	217	490	-	791
F150-230	065	F	4	Y	S	150	150	935	512	320	217	490	-	800
D150-230	065	F	4	U	S	150	150	926	512	320	217	490	-	791
D150-230	065	F	4	Y	S	150	150	935	512	320	217	490	-	800
F150-230	070	F	4	U	S	150	150	926	512	320	217	490	-	791
F150-230	070	F	4	Y	S	150	150	935	512	320	217	490	-	800
D150-230	070	F	4	U	S	150	150	926	512	320	217	490	-	791
D150-230	070	F	4	Y	S	150	150	935	512	320	217	490	-	800
F150-230	077	F	4	U	S	150	150	926	512	320	217	490	-	791
F150-230	077	F	4	Y	S	150	150	935	512	320	217	490	-	800
D150-230	077	F	4	U	S	150	150	926	512	320	217	490	-	791
D150-230	077	F	4	Y	S	150	150	935	512	320	217	490	-	800

Connection elbow


Connection elbow with flange/hose connection (P13)



Connection elbow with flanges (P14)



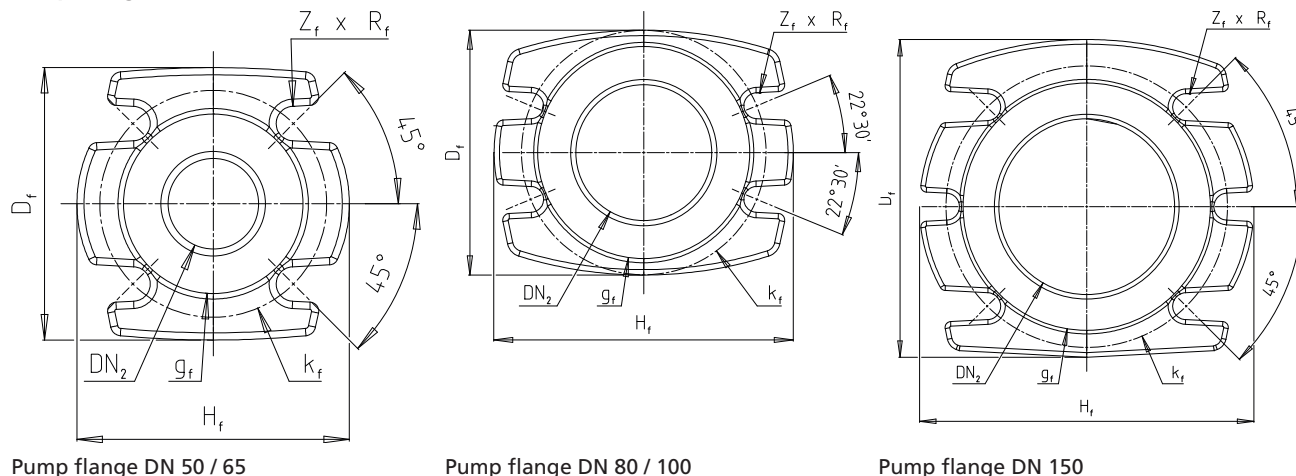
Connection elbow with internal thread and external thread (P14) and threaded flange (P27)

Table 11: Connection elbow dimensions [in]

DN	Connection elbow with flange/hose connection (P13)			Connection elbow with flanges (P14)			Connection elbow with internal thread and external thread (P14) and threaded flange (P27)		
	D ₁	C ₁	L ₁	DN ₃	C ₂	L ₂	DN ₃	C ₂	L ₂
50	-	-	-	-	-	-	G 2"	3 1/16	2 5/16
65	2 15/16	1 9/16	5 5/16	2 9/16	5 5/16	5 5/16	-	-	-
80	2 15/16	4 1/2	6 7/8	3 1/8	5 5/16	5 5/16	-	-	-
100	4 5/16	1 3/4	7 11/16	3 15/16	4 3/4	5 5/16	-	-	-

Table 12: Connection elbow dimensions [mm]

DN	Connection elbow with flange/hose connection (P13)			Connection elbow with flanges (P14)			Connection elbow with internal thread and external thread (P14) and threaded flange (P27)		
	D ₁	C ₁	L ₁	DN ₃	C ₂	L ₂	DN ₃	C ₂	L ₂
50	-	-	-	-	-	-	G 2"	78	58
65	75	40	135	65	135	135	-	-	-
80	75	115	175	80	135	135	-	-	-
100	110	45	195	100	120	135	-	-	-

Pump flange DN2

Table 13: Pump flange dimensions DN2 [in]

Flange variant	DN ₂	g _f	k _f	D _f	H _f	Z _f
50	50	3 7/8	4 15/16	5 7/8	5 7/8	4
65	65	4 5/8	5 11/16	6 11/16	6 11/16	4
80	80	5 3/16	6 5/16	6 5/16	7 7/8	4
100	100	6 1/8	7 1/16	46 7/16	8 11/16	4
150	100	8 5/16	9 7/16	10 11/16	11 1/4	6

Table 14: Pump flange dimensions DN2 [mm]

Flange variant	DN ₂	g _f	k _f	D _f	H _f	Z _f
50	50	99	125	150	150	4
65	65	118	145	170	170	4
80	80	132	160	160	200	4
100	100	156	180	1180	220	4
150	100	211	240	271	285	6

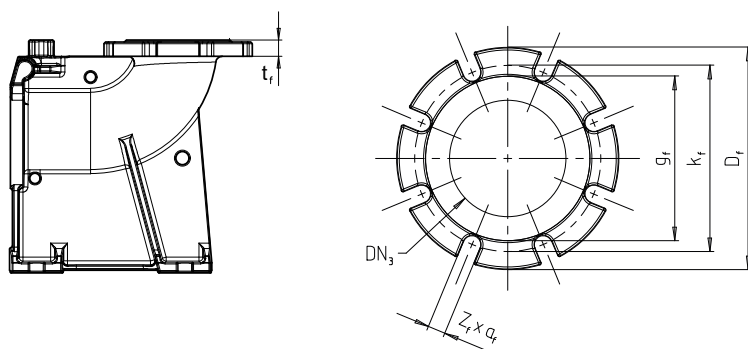
Pump flange DN3

Fig. 2: Pump flange dimensions DN3

Table 15: Pump flange dimensions DN3 [in]

Flange variant	DN ₂	g _f	k _f	t _f	D _f	Z _f ¹⁹⁾	a _f
DN 50/50 ISO 50	50	4	6 5/16	13/16	4 15/16	4	11/16
DN 50/50 ASME 50	50	4	6 5/16	13/16	4 3/4	4	11/16
DN 65/65 65	65	4 13/16	5 1/2	7/8	5 1/2	4	13/16
DN 65/80 ISO 80	80	5 1/4	6 5/16	1 1/16	7 7/8	8	11/16
DN 65/80 ASME 80	80	5	6	1 1/16	7 1/2	4	3/4
DN 80/80 ISO 80	80	5 3/16	6 5/16	7/8	7 7/8	8	11/16
DN 80/80 ASME 80	80	5	6	7/8	7 1/2	4	3/4
DN 80/100	100	6 1/8	7 1/16	7/8	8 11/16	8	11/16
DN 100/100	100	6 1/8	7 1/16	15/16	7 7/8	8	3/4
DN 150/150	150	8 3/8	9 7/16	1	11 1/4	8	7/8

Table 16: Pump flange dimensions DN3 [mm]

Flange variant	DN ₂	g _f	k _f	t _f	D _f	Z _f ²⁰⁾	a _f
DN 50/50 ISO	50	102	160	20	125	4	18
DN 50/50 ASME	50	102	160	20	120,5	4	18
DN 65/65	65	122	140	22	140	4	21
DN 65/80 ISO	80	133	160	27	200	8	18
DN 65/80 ASME	80	127	152	26,5	191	4	19
DN 80/80 ISO	80	132	160	23	200	8	18
DN 80/80 ASME	80	127	152	23	190	4	19
DN 80/100	100	156	180	23	220	8	18
DN 100/100	100	156	180	24	200	8	19
DN 150/150	150	212	240	26	285	8	23

¹⁹ Number of holes

²⁰ Number of holes

Fig. 3: Dimensions, Amarex DN 50, stationary installation, guide cable arrangement, single guide rail arrangement, guide hoop arrangement

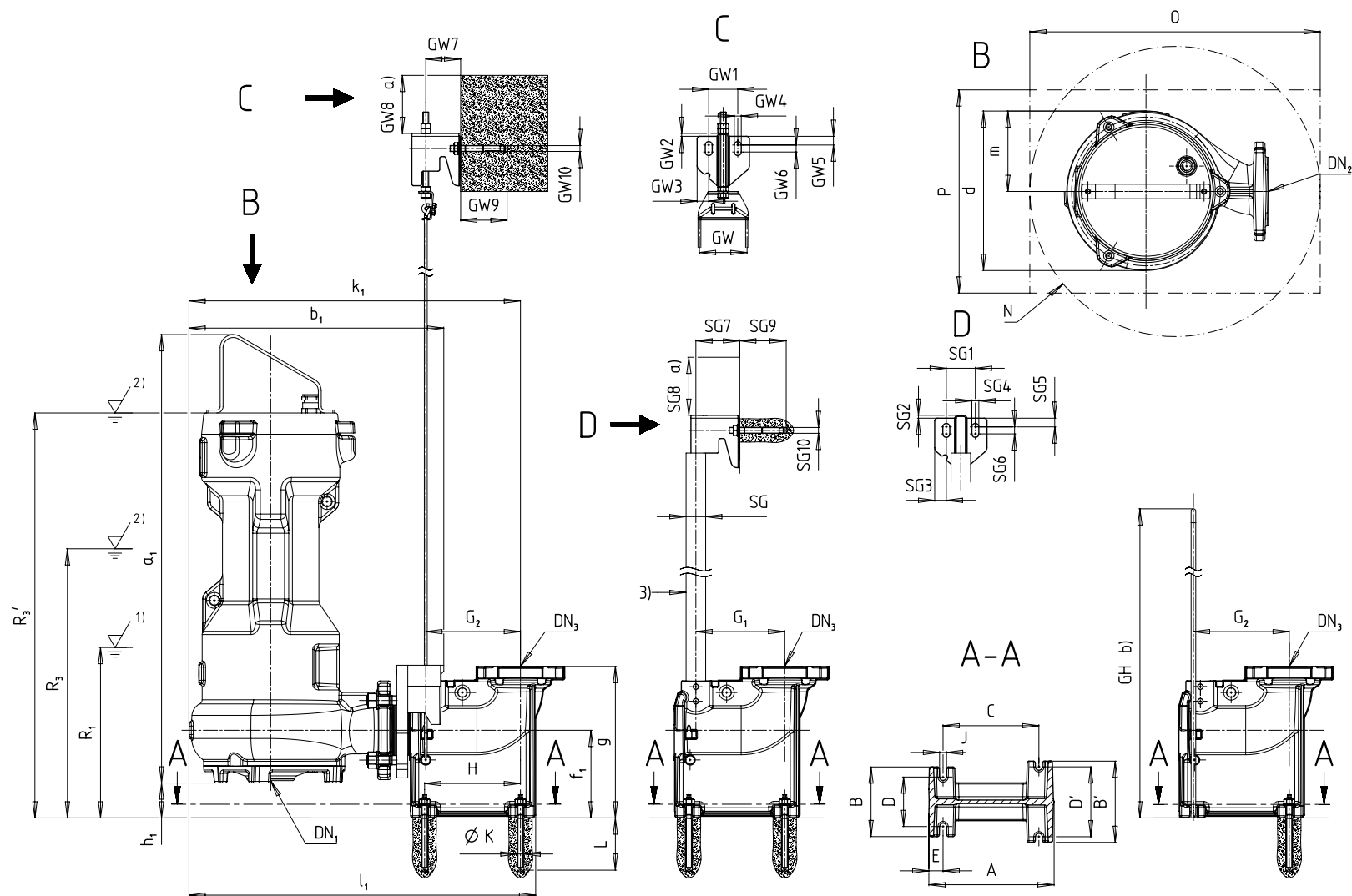


Fig. 3: Dimensions, Amarex DN 50, stationary installation, guide cable arrangement, single guide rail arrangement, guide hoop arrangement

1)	Lowest stop level for automatic operation
2)	Minimum submergence for continuous duty
3)	Not included in KSB's scope of supply

Table 17: Pump set dimensions [in]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F050-140	018	C	2	U	S	1 1/2	2	24 13/16	14 1/2	8 1/2	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	18	4 15/16	19 1/8	4 5/16	3/16	7 3/16	13 7/8	-
F050-140	018	C	2	Y	S	1 1/2	2	25 3/16	14 1/2	8 1/2	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	18	4 15/16	19 1/8	4 5/16	3/16	7 3/16	13 7/8	-
F050-140	023	F	2	U	S	1 1/2	2	24 13/16	14 1/2	8 1/2	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	18	4 15/16	19 1/8	4 5/16	3/16	7 3/16	-	21 3/8
F050-140	023	F	2	Y	S	1 1/2	2	25 3/16	14 1/2	8 1/2	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	18	4 15/16	19 1/8	4 5/16	3/16	7 3/16	-	21 3/4
F050-220	022	C	2	U	S	1 1/2	2	26 5/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	7 1/2	11 7/16	-
F050-220	022	C	2	Y	S	1 1/2	2	26 11/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	7 1/2	11 7/16	-
F050-220	024	F	2	U	S	1 1/2	2	26 5/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	7 1/2	-	22 7/8
F050-220	024	F	2	Y	S	1 1/2	2	26 11/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	7 1/2	-	23 1/4
F050-220	029	C	2	U	S	1 1/2	2	26 5/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	7 1/2	14 3/4	-
F050-220	029	C	2	Y	S	1 1/2	2	26 11/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	7 1/2	14 3/4	-
F050-220	030	C	2	U	S	1 1/2	2	29 3/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	13 1/2	-
F050-220	030	C	2	Y	S	1 1/2	2	29 9/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	13 1/2	-
F050-220	040	F	2	U	S	1 1/2	2	26 5/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	7 1/2	-	22 7/8
F050-220	040	F	2	Y	S	1 1/2	2	26 11/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	7 1/2	-	23 1/4
F050-220	042	F	2	U	S	1 1/2	2	29 3/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	24 15/16
F050-220	042	F	2	Y	S	1 1/2	2	29 9/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	25 5/16
F050-220	046	C	2	U	S	1 1/2	2	29 3/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	17 1/16	-
F050-220	046	C	2	Y	S	1 1/2	2	29 9/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	17 1/16	-
F050-220	047	F	2	U	S	1 1/2	2	29 3/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	24 15/16
F050-220	047	F	2	Y	S	1 1/2	2	29 9/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	25 5/16
F050-220	051	F	2	U	S	1 1/2	2	29 3/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	24 15/16
F050-220	051	F	2	Y	S	1 1/2	2	29 9/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	25 5/16
F050-220	066	F	2	U	S	1 1/2	2	29 3/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	24 15/16
F050-220	066	F	2	Y	S	1 1/2	2	29 9/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	25 5/16
F050-220	068	F	2	U	S	1 1/2	2	29 3/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	24 15/16
F050-220	068	F	2	Y	S	1 1/2	2	29 9/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	25 5/16

Table 18: Pump set dimensions [mm]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F050-140	018	C	2	U	S	42	50	631	368	216	150	106	201	99	27	150	457	125	486	109	4	182	352	-
F050-140	018	C	2	Y	S	42	50	640	368	216	150	106	201	99	27	150	457	125	486	109	4	182	352	-
F050-140	023	F	2	U	S	42	50	631	368	216	150	106	201	99	27	150	457	125	486	109	4	182	-	543
F050-140	023	F	2	Y	S	42	50	640	368	216	150	106	201	99	27	150	457	125	486	109	4	182	-	552
F050-220	022	C	2	U	S	42	50	669	398	258	150	106	201	99	27	150	489	125	518	130	4	190	290	-
F050-220	022	C	2	Y	S	42	50	678	398	258	150	106	201	99	27	150	489	125	518	130	4	190	290	-
F050-220	024	F	2	U	S	42	50	669	398	258	150	106	201	99	27	150	489	125	518	130	4	190	-	581
F050-220	024	F	2	Y	S	42	50	678	398	258	150	106	201	99	27	150	489	125	518	130	4	190	-	590
F050-220	029	C	2	U	S	42	50	669	398	258	150	106	201	99	27	150	489	125	518	130	4	190	375	-
F050-220	029	C	2	Y	S	42	50	678	398	258	150	106	201	99	27	150	489	125	518	130	4	190	375	-
F050-220	030	C	2	U	S	42	50	742	398	258	150	106	201	99	27	150	489	125	518	130	4	303	343	-
F050-220	030	C	2	Y	S	42	50	751	398	258	150	106	201	99	27	150	489	125	518	130	4	303	343	-
F050-220	040	F	2	U	S	42	50	669	398	258	150	106	201	99	27	150	489	125	518	130	4	190	-	581
F050-220	040	F	2	Y	S	42	50	678	398	258	150	106	201	99	27	150	489	125	518	130	4	190	-	590
F050-220	042	F	2	U	S	42	50	742	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	634
F050-220	042	F	2	Y	S	42	50	751	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	643
F050-220	046	C	2	U	S	42	50	742	398	258	150	106	201	99	27	150	489	125	518	130	4	303	433	-
F050-220	046	C	2	Y	S	42	50	751	398	258	150	106	201	99	27	150	489	125	518	130	4	303	433	-
F050-220	047	F	2	U	S	42	50	742	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	634
F050-220	047	F	2	Y	S	42	50	751	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	643
F050-220	051	F	2	U	S	42	50	742	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	634
F050-220	051	F	2	Y	S	42	50	751	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	643
F050-220	066	F	2	U	S	42	50	742	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	634
F050-220	066	F	2	Y	S	42	50	751	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	643
F050-220	068	F	2	U	S	42	50	742	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	634
F050-220	068	F	2	Y	S	42	50	751	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	643

Table 19: Foundation dimensions [in]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F050-140	018	C	2	U	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-140	018	C	2	Y	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-140	023	F	2	U	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-140	023	F	2	Y	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	022	C	2	U	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	022	C	2	Y	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	024	F	2	U	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	024	F	2	Y	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	029	C	2	U	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	029	C	2	Y	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	030	C	2	U	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	-	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	030	C	2	Y	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	-	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	040	F	2	U	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	040	F	2	Y	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	042	F	2	U	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	-	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	042	F	2	Y	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	-	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	046	C	2	U	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	-	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	046	C	2	Y	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	-	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	047	F	2	U	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	-	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	047	F	2	Y	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	-	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	051	F	2	U	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	-	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	051	F	2	Y	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	-	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	066	F	2	U	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	-	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	066	F	2	Y	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	-	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	068	F	2	U	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	-	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4
F050-220	068	F	2	Y	S	2	7 1/16	4 1/3	4 3/4	4 15/16	3 1/8	3 15/16	1	-	4 15/16	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	13 3/4

Table 20: Foundation dimensions [mm]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F050-140	018	C	2	U	S	50	179	110	120	125	80	100	25	113	125	125	12	10	90	465	465	350
F050-140	018	C	2	Y	S	50	179	110	120	125	80	100	25	113	125	125	12	10	90	465	465	350
F050-140	023	F	2	U	S	50	179	110	120	125	80	100	25	113	125	125	12	10	90	465	465	350
F050-140	023	F	2	Y	S	50	179	110	120	125	80	100	25	113	125	125	12	10	90	465	465	350
F050-220	022	C	2	U	S	50	179	110	120	125	80	100	25	113	125	125	12	10	90	465	465	350
F050-220	022	C	2	Y	S	50	179	110	120	125	80	100	25	113	125	125	12	10	90	465	465	350
F050-220	024	F	2	U	S	50	179	110	120	125	80	100	25	113	125	125	12	10	90	465	465	350
F050-220	024	F	2	Y	S	50	179	110	120	125	80	100	25	113	125	125	12	10	90	465	465	350
F050-220	029	C	2	U	S	50	179	110	120	125	80	100	25	113	125	125	12	10	90	465	465	350
F050-220	029	C	2	Y	S	50	179	110	120	125	80	100	25	113	125	125	12	10	90	465	465	350
F050-220	030	C	2	U	S	50	179	110	120	125	80	100	25	-	125	125	12	10	90	465	465	350
F050-220	030	C	2	Y	S	50	179	110	120	125	80	100	25	-	125	125	12	10	90	465	465	350
F050-220	040	F	2	U	S	50	179	110	120	125	80	100	25	113	125	125	12	10	90	465	465	350
F050-220	040	F	2	Y	S	50	179	110	120	125	80	100	25	113	125	125	12	10	90	465	465	350
F050-220	042	F	2	U	S	50	179	110	120	125	80	100	25	-	125	125	12	10	90	465	465	350
F050-220	042	F	2	Y	S	50	179	110	120	125	80	100	25	-	125	125	12	10	90	465	465	350
F050-220	046	C	2	U	S	50	179	110	120	125	80	100	25	-	125	125	12	10	90	465	465	350
F050-220	046	C	2	Y	S	50	179	110	120	125	80	100	25	-	125	125	12	10	90	465	465	350
F050-220	047	F	2	U	S	50	179	110	120	125	80	100	25	-	125	125	12	10	90	465	465	350
F050-220	047	F	2	Y	S	50	179	110	120	125	80	100	25	-	125	125	12	10	90	465	465	350
F050-220	051	F	2	U	S	50	179	110	120	125	80	100	25	-	125	125	12	10	90	465	465	350
F050-220	051	F	2	Y	S	50	179	110	120	125	80	100	25	-	125	125	12	10	90	465	465	350
F050-220	066	F	2	U	S	50	179	110	120	125	80	100	25	-	125	125	12	10	90	465	465	350
F050-220	066	F	2	Y	S	50	179	110	120	125	80	100	25	-	125	125	12	10	90	465	465	350
F050-220	068	F	2	U	S	50	179	110	120	125	80	100	25	-	125	125	12	10	90	465	465	350
F050-220	068	F	2	Y	S	50	179	110	120	125	80	100	25	-	125	125	12	10	90	465	465	350

Table 21: Dimensions for fastening [in], part 1

DN	GH	GW	GW1	GW2	GW3	GW4	GW5	GW6	GW7	GW8	GW9	GW10	SG	SG1	SG2	SG3	SG4
DN 50	70 7/8	3 1/8	1 15/16	3/16	13/16	1/2	9/16	1/2	2 3/8	3 15/16	3 1/8	3/8	1 5/16x1/8	1 15/16	3/16	13/16	1/2

Table 22: Dimensions for fastening [in], part 2

SG5	SG6	SG7	SG8	SG9	SG10	TG	TG1	TG2	TG3	TG4	TG5	TG6	TG7	TG8	TG9
9/16	1/2	3	3 15/16	3 1/8	3/8	1 5/16x1/8	2 3/4	2 3/16	1 15/16	1/2	1/2	1 15/16	3	3 1/8	3/8

Table 23: Dimensions for fastening [mm], part 1

DN	GH	GW	GW1	GW2	GW3	GW4	GW5	GW6	GW7	GW8	GW9	GW10	SG	SG1	SG2	SG3	SG4
DN 50	1800	79	50	5	20	12	15	12	60	100	80	10	33,7x3,2	50	5	20	12

Table 24: Dimensions for fastening [mm], part 2

SG5	SG6	SG7	SG8	SG9	SG10	TG	TG1	TG2	TG3	TG4	TG5	TG6	TG7	TG8	TG9
15	12	76	100	80	10	33,7x3,2	70	55	50	12	12	50	76	80	10

Amarex DN 50, stationary installation, twin guide rail arrangement

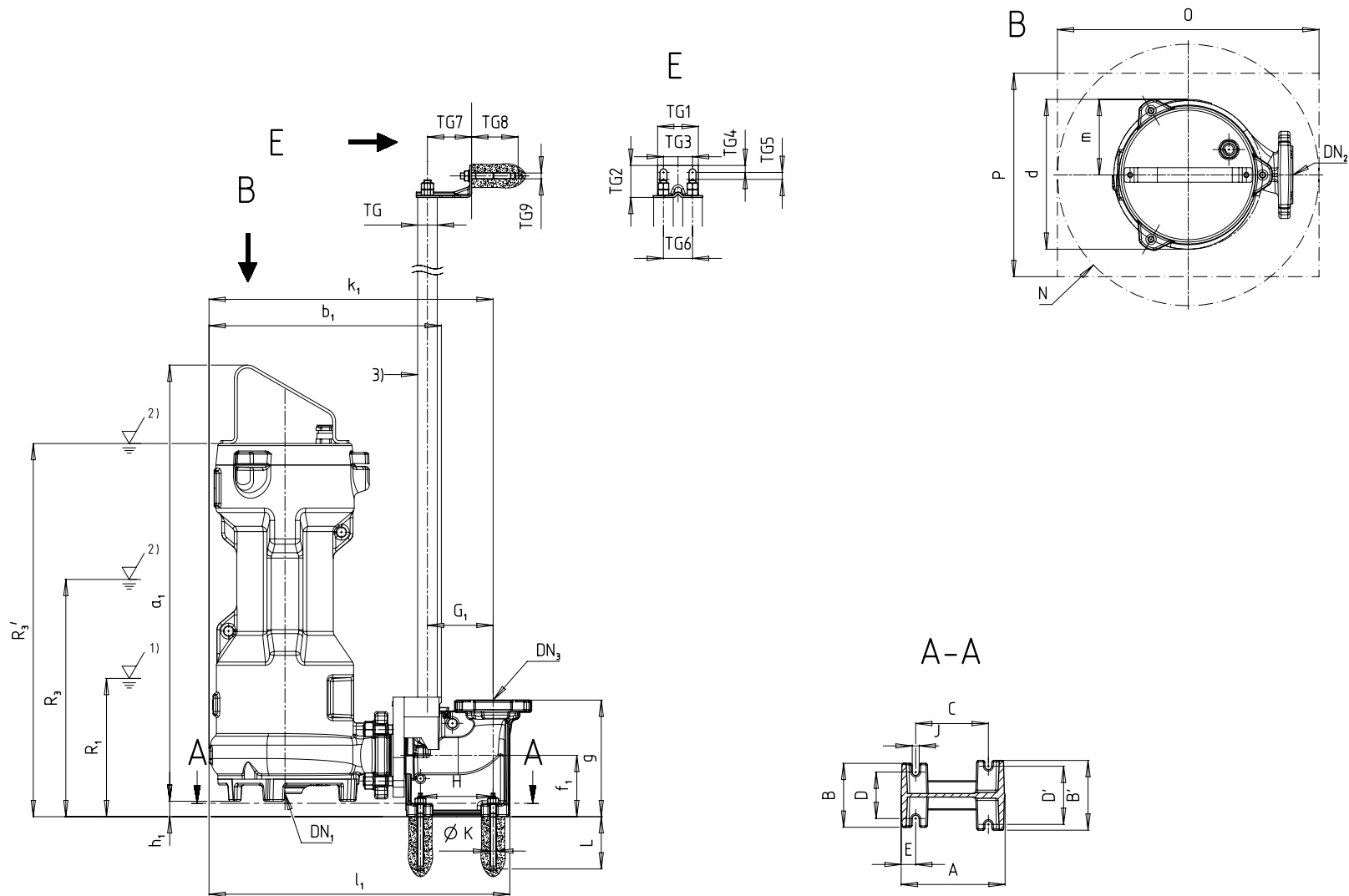


Fig. 4: Dimensions, Amarex DN 50, stationary installation, twin guide rail arrangement

1)	Lowest stop level for automatic operation
2)	Minimum submergence for continuous duty
3)	Not included in KSB's scope of supply

Table 25: Pump set dimensions [in]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F050-140	018	C	2	U	S	1 1/2	2	24 13/16	14 1/2	8 1/2	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	18	4 15/16	19 1/8	4 5/16	3/16	7 3/16	13 7/8	-
F050-140	018	C	2	Y	S	1 1/2	2	25 3/16	14 1/2	8 1/2	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	18	4 15/16	19 1/8	4 5/16	3/16	7 3/16	13 7/8	-
F050-140	023	F	2	U	S	1 1/2	2	24 13/16	14 1/2	8 1/2	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	18	4 15/16	19 1/8	4 5/16	3/16	7 3/16	-	21 3/8
F050-140	023	F	2	Y	S	1 1/2	2	25 3/16	14 1/2	8 1/2	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	18	4 15/16	19 1/8	4 5/16	3/16	7 3/16	-	21 3/4
F050-220	022	C	2	U	S	1 1/2	2	26 5/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	7 1/2	11 7/16	-
F050-220	022	C	2	Y	S	1 1/2	2	26 11/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	7 1/2	11 7/16	-
F050-220	024	F	2	U	S	1 1/2	2	26 5/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	7 1/2	-	22 7/8
F050-220	024	F	2	Y	S	1 1/2	2	26 11/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	7 1/2	-	23 1/4
F050-220	029	C	2	U	S	1 1/2	2	26 5/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	7 1/2	14 3/4	-
F050-220	029	C	2	Y	S	1 1/2	2	26 11/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	7 1/2	14 3/4	-
F050-220	030	C	2	U	S	1 1/2	2	29 3/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	13 1/2	-
F050-220	030	C	2	Y	S	1 1/2	2	29 9/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	13 1/2	-
F050-220	040	F	2	U	S	1 1/2	2	26 5/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	7 1/2	-	22 7/8
F050-220	040	F	2	Y	S	1 1/2	2	26 11/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	7 1/2	-	23 1/4
F050-220	042	F	2	U	S	1 1/2	2	29 3/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	24 15/16
F050-220	042	F	2	Y	S	1 1/2	2	29 9/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	25 5/16
F050-220	046	C	2	U	S	1 1/2	2	29 3/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	17 1/16	-
F050-220	046	C	2	Y	S	1 1/2	2	29 9/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	17 1/16	-
F050-220	047	F	2	U	S	1 1/2	2	29 3/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	24 15/16
F050-220	047	F	2	Y	S	1 1/2	2	29 9/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	25 5/16
F050-220	051	F	2	U	S	1 1/2	2	29 3/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	24 15/16
F050-220	051	F	2	Y	S	1 1/2	2	29 9/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	25 5/16
F050-220	066	F	2	U	S	1 1/2	2	29 3/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	24 15/16
F050-220	066	F	2	Y	S	1 1/2	2	29 9/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	25 5/16
F050-220	068	F	2	U	S	1 1/2	2	29 3/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	24 15/16
F050-220	068	F	2	Y	S	1 1/2	2	29 9/16	15 11/16	10 3/16	5 7/8	4 3/16	7 15/16	3 7/8	1 1/16	5 7/8	19 1/4	4 15/16	20 3/8	5 1/8	3/16	11 15/16	-	25 5/16

Table 26: Pump set dimensions [mm]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F050-140	018	C	2	U	S	42	50	631	368	216	150	106	201	99	27	150	457	125	486	109	4	182	352	-
F050-140	018	C	2	Y	S	42	50	640	368	216	150	106	201	99	27	150	457	125	486	109	4	182	352	-
F050-140	023	F	2	U	S	42	50	631	368	216	150	106	201	99	27	150	457	125	486	109	4	182	-	543
F050-140	023	F	2	Y	S	42	50	640	368	216	150	106	201	99	27	150	457	125	486	109	4	182	-	552
F050-220	022	C	2	U	S	42	50	669	398	258	150	106	201	99	27	150	489	125	518	130	4	190	290	-
F050-220	022	C	2	Y	S	42	50	678	398	258	150	106	201	99	27	150	489	125	518	130	4	190	290	-
F050-220	024	F	2	U	S	42	50	669	398	258	150	106	201	99	27	150	489	125	518	130	4	190	-	581
F050-220	024	F	2	Y	S	42	50	678	398	258	150	106	201	99	27	150	489	125	518	130	4	190	-	590
F050-220	029	C	2	U	S	42	50	669	398	258	150	106	201	99	27	150	489	125	518	130	4	190	375	-
F050-220	029	C	2	Y	S	42	50	678	398	258	150	106	201	99	27	150	489	125	518	130	4	190	375	-
F050-220	030	C	2	U	S	42	50	742	398	258	150	106	201	99	27	150	489	125	518	130	4	303	343	-
F050-220	030	C	2	Y	S	42	50	751	398	258	150	106	201	99	27	150	489	125	518	130	4	303	343	-
F050-220	040	F	2	U	S	42	50	669	398	258	150	106	201	99	27	150	489	125	518	130	4	190	-	581
F050-220	040	F	2	Y	S	42	50	678	398	258	150	106	201	99	27	150	489	125	518	130	4	190	-	590
F050-220	042	F	2	U	S	42	50	742	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	634
F050-220	042	F	2	Y	S	42	50	751	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	643
F050-220	046	C	2	U	S	42	50	742	398	258	150	106	201	99	27	150	489	125	518	130	4	303	433	-
F050-220	046	C	2	Y	S	42	50	751	398	258	150	106	201	99	27	150	489	125	518	130	4	303	433	-
F050-220	047	F	2	U	S	42	50	742	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	634
F050-220	047	F	2	Y	S	42	50	751	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	643
F050-220	051	F	2	U	S	42	50	742	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	634
F050-220	051	F	2	Y	S	42	50	751	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	643
F050-220	066	F	2	U	S	42	50	742	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	634
F050-220	066	F	2	Y	S	42	50	751	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	643
F050-220	068	F	2	U	S	42	50	742	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	634
F050-220	068	F	2	Y	S	42	50	751	398	258	150	106	201	99	27	150	489	125	518	130	4	303	-	643

Table 27: Foundation dimensions [in]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F050-140	018	C	2	U	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	14 1/2
F050-140	018	C	2	Y	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	14 1/2
F050-140	023	F	2	U	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	14 1/2
F050-140	023	F	2	Y	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	14 1/2
F050-220	022	C	2	U	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	022	C	2	Y	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	024	F	2	U	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	024	F	2	Y	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	029	C	2	U	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	029	C	2	Y	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	030	C	2	U	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	030	C	2	Y	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	040	F	2	U	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	040	F	2	Y	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	042	F	2	U	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	042	F	2	Y	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	046	C	2	U	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	046	C	2	Y	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	047	F	2	U	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	047	F	2	Y	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	051	F	2	U	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	051	F	2	Y	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	066	F	2	U	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	066	F	2	Y	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	068	F	2	U	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16
F050-220	068	F	2	Y	S	2	7 1/16	4 5/16	4 3/4	4 15/16	3 1/8	3 15/16	1	4 7/16	-	4 15/16	1/2	3/8	3 9/16	18 5/16	18 5/16	15 11/16

Table 28: Foundation dimensions [mm]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F050-140	018	C	2	U	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-140	018	C	2	Y	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-140	023	F	2	U	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-140	023	F	2	Y	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	022	C	2	U	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	022	C	2	Y	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	024	F	2	U	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	024	F	2	Y	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	029	C	2	U	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	029	C	2	Y	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	030	C	2	U	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	030	C	2	Y	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	040	F	2	U	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	040	F	2	Y	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	042	F	2	U	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	042	F	2	Y	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	046	C	2	U	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	046	C	2	Y	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	047	F	2	U	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	047	F	2	Y	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	051	F	2	U	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	051	F	2	Y	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	066	F	2	U	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	066	F	2	Y	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	068	F	2	U	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350
F050-220	068	F	2	Y	S	50	179	110	120	125	80	100	25	113	-	125	12	10	90	465	465	350

Table 29: Dimensions for fastening [in], part 1

DN	GH	GW	GW1	GW2	GW3	GW4	GW5	GW6	GW7	GW8	GW9	GW10	SG	SG1	SG2	SG3	SG4
DN 50	70 7/8	3 1/8	1 15/16	3/16	13/16	1/2	9/16	1/2	2 3/8	3 15/16	3 1/8	3/8	1 5/16x1/8	1 15/16	3/16	13/16	1/2

Table 30: Dimensions for fastening [in], part 2

SG5	SG6	SG7	SG8	SG9	SG10	TG	TG1	TG2	TG3	TG4	TG5	TG6	TG7	TG8	TG9
9/16	1/2	3	3 15/16	3 1/8	3/8	1 5/16x1/8	2 3/4	2 3/16	1 15/16	1/2	1/2	1 15/16	3	3 1/8	3/8

Table 31: Dimensions for fastening [mm], part 1

DN	GH	GW	GW1	GW2	GW3	GW4	GW5	GW6	GW7	GW8	GW9	GW10	SG	SG1	SG2	SG3	SG4
DN 50	1800	79	50	5	20	12	15	12	60	100	80	10	33,7x3,2	50	5	20	12

Table 32: Dimensions for fastening [mm], part 2

SG5	SG6	SG7	SG8	SG9	SG10	TG	TG1	TG2	TG3	TG4	TG5	TG6	TG7	TG8	TG9
15	12	76	100	80	10	33,7x3,2	70	55	50	12	12	50	76	80	10

Amarex DN 65, stationary installation, guide cable arrangement, single guide rail arrangement, guide hoop arrangement

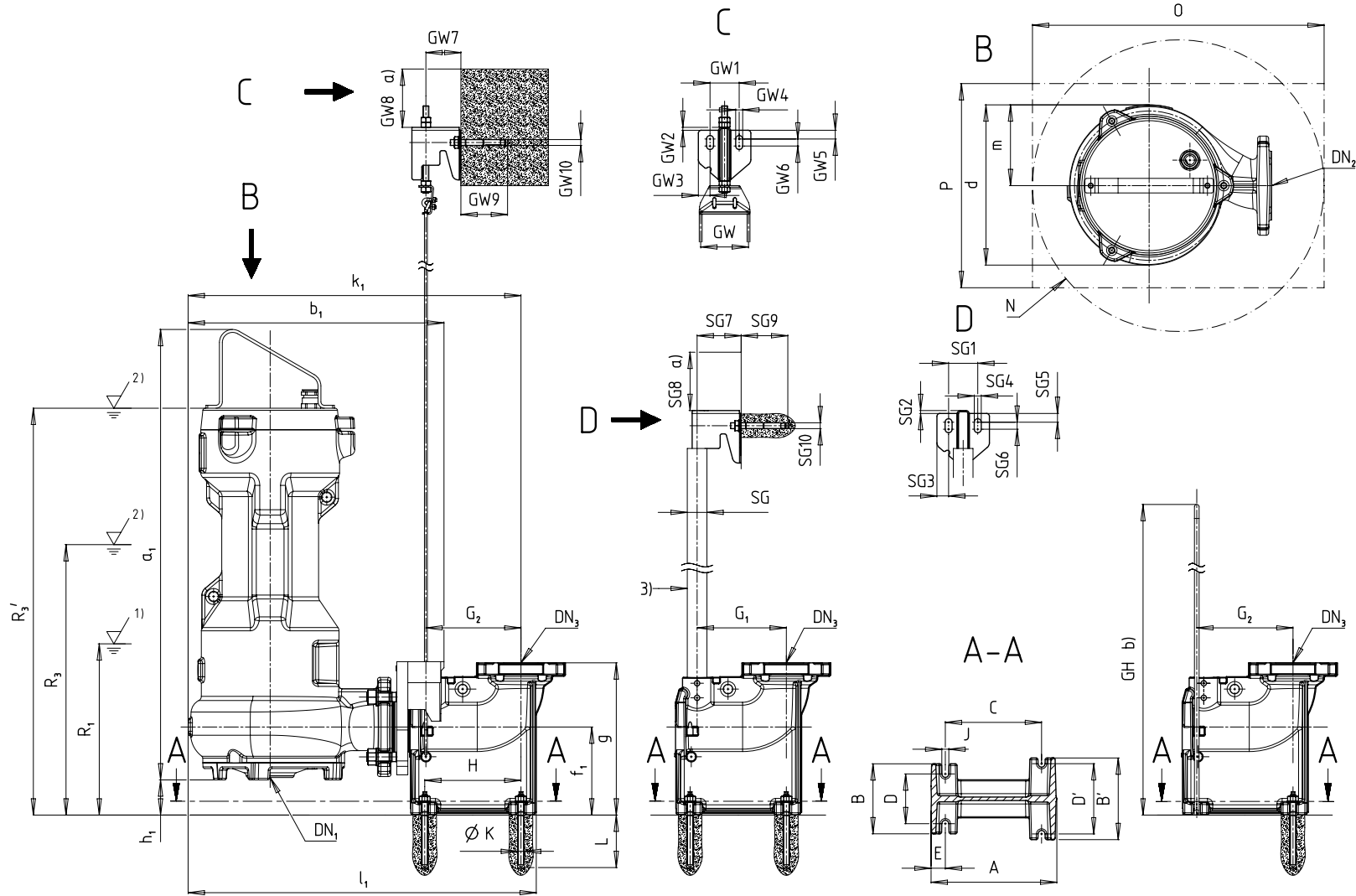


Fig. 5: Dimensions, Amarex DN 65, stationary installation, guide cable arrangement, single guide rail arrangement, guide hoop arrangement

1)	Lowest stop level for automatic operation
2)	Minimum submergence for continuous duty
3)	Not included in KSB's scope of supply

Table 33: Pump set dimensions [in]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F065-150	015	C	4	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	13 9/16	-
F065-150	015	C	4	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	13 9/16	-
F065-150	017	F	4	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 1/16
F065-150	017	F	4	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 3/8
F065-150	018	C	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	15 5/8	-
F065-150	018	C	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	15 5/8	-
F065-150	023	F	4	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 1/16
F065-150	023	F	4	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 3/8
F065-150	030	F	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 1/16
F065-150	030	F	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 7/16
F065-150	035	F	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 1/16
F065-150	035	F	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 7/16
F065-150	036	F	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 1/16
F065-150	036	F	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 7/16
F065-150	043	F	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 1/16
F065-150	043	F	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 7/16
F065-170	022	C	2	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	13 9/16	-
F065-170	022	C	2	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	13 9/16	-
F065-170	024	F	2	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 1/16
F065-170	024	F	2	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 3/8
F065-170	029	C	2	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	16 15/16	-
F065-170	029	C	2	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	16 15/16	-
F065-170	030	C	2	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	15 5/8	-
F065-170	030	C	2	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	15 5/8	-
F065-170	040	F	2	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 1/16
F065-170	040	F	2	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 3/8
F065-170	042	F	2	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 1/16
F065-170	042	F	2	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 7/16
F065-170	046	C	2	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	19 3/16	-
F065-170	046	C	2	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	19 3/16	-
F065-170	047	F	2	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 1/16

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F065-170	047	F	2	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 7/16
F065-170	051	F	2	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 1/16
F065-170	051	F	2	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 7/16
F065-170	066	F	2	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 1/16
F065-170	066	F	2	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 7/16
F065-170	068	F	2	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 1/16
F065-170	068	F	2	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 7/16
F065-230	015	C	4	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	13 9/16	-
F065-230	015	C	4	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	13 9/16	-
F065-230	017	F	4	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 1/16
F065-230	017	F	4	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 3/8
F065-230	018	C	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	15 5/8	-
F065-230	018	C	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	15 5/8	-
F065-230	023	F	4	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 1/16
F065-230	023	F	4	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 3/8
F065-230	030	F	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 1/16
F065-230	030	F	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 7/16
F065-230	035	F	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 1/16
F065-230	035	F	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 7/16
F065-230	036	F	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 1/16
F065-230	036	F	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 7/16
F065-230	043	F	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 1/16
F065-230	043	F	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 7/16

Table 34: Pump set dimensions [mm]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F065-150	015	C	4	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	345	-
F065-150	015	C	4	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	345	-
F065-150	017	F	4	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	636
F065-150	017	F	4	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	645
F065-150	018	C	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	397	-
F065-150	018	C	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	397	-
F065-150	023	F	4	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	636
F065-150	023	F	4	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	645
F065-150	030	F	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	688
F065-150	030	F	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	697
F065-150	035	F	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	688
F065-150	035	F	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	697
F065-150	036	F	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	688
F065-150	036	F	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	697
F065-150	043	F	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	688
F065-150	043	F	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	697
F065-170	022	C	2	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	345	-
F065-170	022	C	2	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	345	-
F065-170	024	F	2	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	636
F065-170	024	F	2	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	645
F065-170	029	C	2	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	430	-
F065-170	029	C	2	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	430	-
F065-170	030	C	2	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	397	-
F065-170	030	C	2	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	397	-
F065-170	040	F	2	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	636
F065-170	040	F	2	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	645
F065-170	042	F	2	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	688
F065-170	042	F	2	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	697
F065-170	046	C	2	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	487	-
F065-170	046	C	2	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	487	-
F065-170	047	F	2	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	688
F065-170	047	F	2	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	697

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F065-170	051	F	2	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	688
F065-170	051	F	2	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	697
F065-170	066	F	2	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	688
F065-170	066	F	2	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	697
F065-170	068	F	2	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	688
F065-170	068	F	2	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	697
F065-230	015	C	4	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	345	-
F065-230	015	C	4	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	345	-
F065-230	017	F	4	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	636
F065-230	017	F	4	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	645
F065-230	018	C	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	397	-
F065-230	018	C	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	397	-
F065-230	023	F	4	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	636
F065-230	023	F	4	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	645
F065-230	030	F	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	688
F065-230	030	F	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	697
F065-230	035	F	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	688
F065-230	035	F	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	697
F065-230	036	F	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	688
F065-230	036	F	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	697
F065-230	043	F	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	688
F065-230	043	F	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	697

Table 35: Foundation dimensions [in]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F065-150	015	C	4	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-150	015	C	4	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-150	017	F	4	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-150	017	F	4	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-150	018	C	4	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-150	018	C	4	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-150	023	F	4	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-150	023	F	4	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-150	030	F	4	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-150	030	F	4	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-150	035	F	4	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-150	035	F	4	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-150	036	F	4	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-150	036	F	4	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-150	043	F	4	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-150	043	F	4	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	022	C	2	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	022	C	2	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	024	F	2	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	024	F	2	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	029	C	2	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	029	C	2	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	030	C	2	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	030	C	2	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	040	F	2	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	040	F	2	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	042	F	2	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	042	F	2	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	046	C	2	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	046	C	2	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	047	F	2	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	047	F	2	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F065-170	051	F	2	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	051	F	2	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	066	F	2	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	066	F	2	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	068	F	2	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-170	068	F	2	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-230	015	C	4	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-230	015	C	4	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-230	017	F	4	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-230	017	F	4	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-230	018	C	4	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-230	018	C	4	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-230	023	F	4	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-230	023	F	4	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	6	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-230	030	F	4	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-230	030	F	4	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-230	035	F	4	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-230	035	F	4	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-230	036	F	4	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-230	036	F	4	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-230	043	F	4	U	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4
F065-230	043	F	4	Y	S	2 1/2	8 1/2	4 21/29	5 1/2	6 1/2	3 3/8	4 3/4	1	-	6 1/2	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	15 3/4

Table 36: Foundation dimensions [mm]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F065-150	015	C	4	U	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-150	015	C	4	Y	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-150	017	F	4	U	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-150	017	F	4	Y	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-150	018	C	4	U	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-150	018	C	4	Y	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-150	023	F	4	U	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-150	023	F	4	Y	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-150	030	F	4	U	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-150	030	F	4	Y	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-150	035	F	4	U	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-150	035	F	4	Y	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-150	036	F	4	U	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-150	036	F	4	Y	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-150	043	F	4	U	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-150	043	F	4	Y	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-170	022	C	2	U	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-170	022	C	2	Y	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-170	024	F	2	U	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-170	024	F	2	Y	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-170	029	C	2	U	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-170	029	C	2	Y	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-170	030	C	2	U	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-170	030	C	2	Y	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-170	040	F	2	U	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-170	040	F	2	Y	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-170	042	F	2	U	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-170	042	F	2	Y	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-170	046	C	2	U	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-170	046	C	2	Y	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-170	047	F	2	U	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-170	047	F	2	Y	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F065-170	051	F	2	U	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-170	051	F	2	Y	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-170	066	F	2	U	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-170	066	F	2	Y	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-170	068	F	2	U	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-170	068	F	2	Y	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-230	015	C	4	U	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-230	015	C	4	Y	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-230	017	F	4	U	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-230	017	F	4	Y	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-230	018	C	4	U	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-230	018	C	4	Y	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-230	023	F	4	U	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-230	023	F	4	Y	S	65	216	120	140	165	85	120	25	153	165	165	12	10	90	550	550	400
F065-230	030	F	4	U	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-230	030	F	4	Y	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-230	035	F	4	U	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-230	035	F	4	Y	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-230	036	F	4	U	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-230	036	F	4	Y	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-230	043	F	4	U	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400
F065-230	043	F	4	Y	S	65	216	120	140	165	85	120	25	-	165	165	12	10	90	550	550	400

Table 37: Dimensions for fastening [in], part 1

DN	GH	GW	GW1	GW2	GW3	GW4	GW5	GW6	GW7	GW8	GW9	GW10	SG	SG1	SG2	SG3	SG4
DN 65	70 7/8	3 1/8	1 15/16	3/16	13/16	1/2	9/16	1/2	2 3/8	3 15/16	3 1/8	3/8	1 5/16x1/8	1 15/16	3/16	13/16	1/2

Table 38: Dimensions for fastening [in], part 2

SG5	SG6	SG7	SG8	SG9	SG10	TG	TG1	TG2	TG3	TG4	TG5	TG6	TG7	TG8	TG9
9/16	1/2	3	3 15/16	3 1/8	3/8	1 5/16x1/8	2 3/4	2 3/16	1 15/16	1/2	1/2	1 15/16	3	3 1/8	3/8

Table 39: Dimensions for fastening [mm], part 1

DN	GH	GW	GW1	GW2	GW3	GW4	GW5	GW6	GW7	GW8	GW9	GW10	SG	SG1	SG2	SG3	SG4
DN 65	1800	79	50	5	20	12	15	12	60	100	80	10	33,7x3,2	50	5	20	12

Table 40: Dimensions for fastening [mm], part 2

SG5	SG6	SG7	SG8	SG9	SG10	TG	TG1	TG2	TG3	TG4	TG5	TG6	TG7	TG8	TG9
15	12	76	100	80	10	33,7x3,2	70	55	50	12	12	50	76	80	10

Amarex DN 65, stationary installation, twin guide rail arrangement

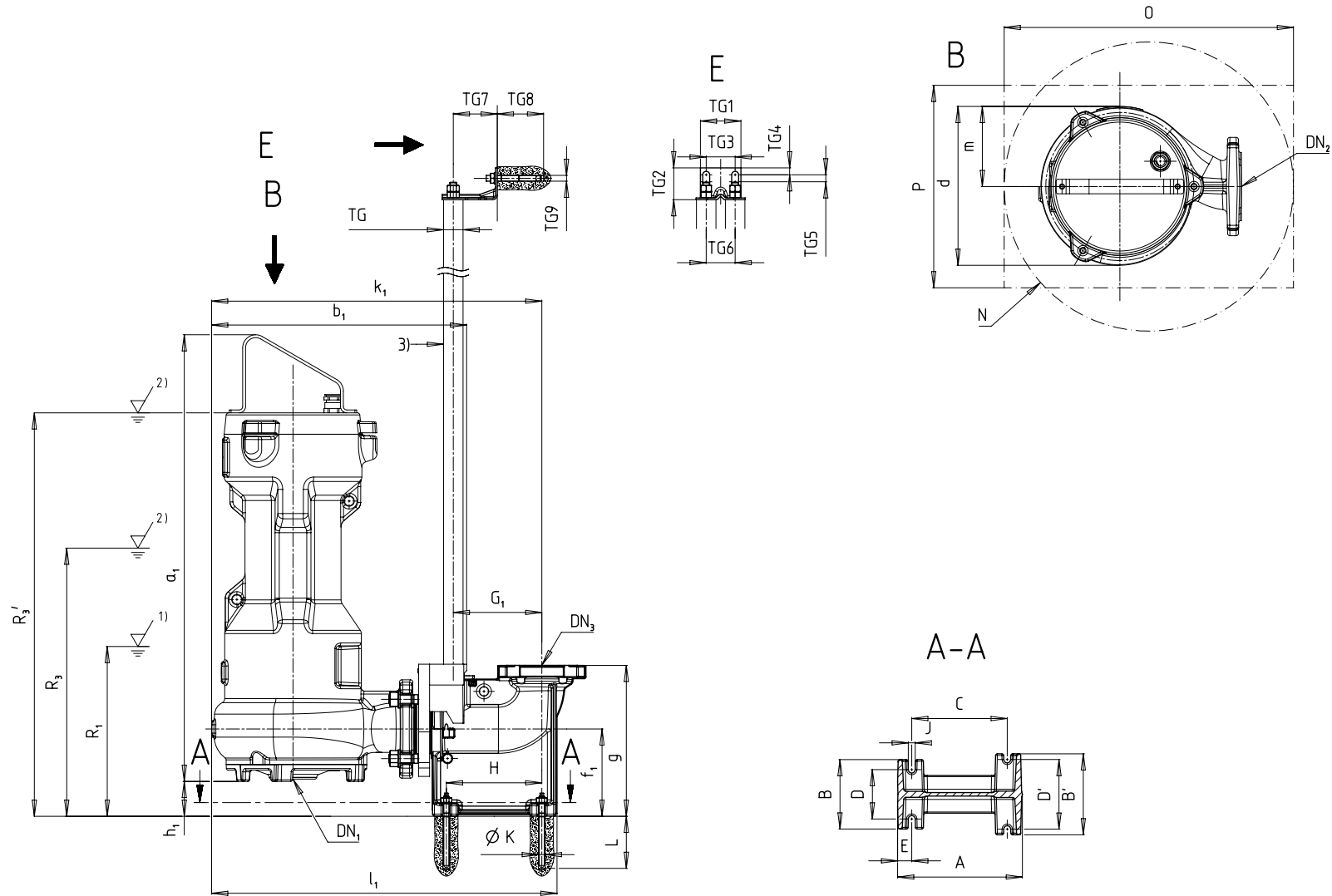


Fig. 6: Dimensions, Amarex DN 65, stationary installation, twin guide rail arrangement

1)	Lowest stop level for automatic operation
2)	Minimum submergence for continuous duty
3)	Not included in KSB's scope of supply

Table 41: Pump set dimensions [in]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F065-150	015	C	4	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	13 9/16	-
F065-150	015	C	4	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	13 9/16	-
F065-150	017	F	4	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 1/16
F065-150	017	F	4	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 3/8
F065-150	018	C	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	15 5/8	-
F065-150	018	C	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	15 5/8	-
F065-150	023	F	4	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 1/16
F065-150	023	F	4	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 3/8
F065-150	030	F	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 1/16
F065-150	030	F	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 7/16
F065-150	035	F	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 1/16
F065-150	035	F	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 7/16
F065-150	036	F	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 1/16
F065-150	036	F	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 7/16
F065-150	043	F	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 1/16
F065-150	043	F	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 7/16
F065-170	022	C	2	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	13 9/16	-
F065-170	022	C	2	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	13 9/16	-
F065-170	024	F	2	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 1/16
F065-170	024	F	2	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 3/8
F065-170	029	C	2	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	16 15/16	-
F065-170	029	C	2	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	16 15/16	-
F065-170	030	C	2	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	15 5/8	-
F065-170	030	C	2	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	15 5/8	-
F065-170	040	F	2	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 1/16
F065-170	040	F	2	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 3/8
F065-170	042	F	2	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 1/16
F065-170	042	F	2	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 7/16
F065-170	046	C	2	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	19 3/16	-
F065-170	046	C	2	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	19 3/16	-
F065-170	047	F	2	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 1/16

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F065-170	047	F	2	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 7/16
F065-170	051	F	2	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 1/16
F065-170	051	F	2	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 7/16
F065-170	066	F	2	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 1/16
F065-170	066	F	2	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 7/16
F065-170	068	F	2	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 1/16
F065-170	068	F	2	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 7/16
F065-230	015	C	4	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	13 9/16	-
F065-230	015	C	4	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	13 9/16	-
F065-230	017	F	4	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 1/16
F065-230	017	F	4	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 3/8
F065-230	018	C	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	15 5/8	-
F065-230	018	C	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	15 5/8	-
F065-230	023	F	4	U	S	2 1/2	2 1/2	27 3/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 1/16
F065-230	023	F	4	Y	S	2 1/2	2 1/2	27 9/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 5/8	-	25 3/8
F065-230	030	F	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 1/16
F065-230	030	F	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 7/16
F065-230	035	F	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 1/16
F065-230	035	F	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 7/16
F065-230	036	F	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 1/16
F065-230	036	F	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	14 1/16	-	27 7/16
F065-230	043	F	4	U	S	2 1/2	2 1/2	30 1/16	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 1/16
F065-230	043	F	4	Y	S	2 1/2	2 1/2	30 3/8	17 5/16	10 13/16	6 11/16	5 15/16	10 1/4	4 5/8	2 3/8	6 11/16	22 3/8	5 11/16	23 7/16	5 7/16	3/16	9 3/4	-	27 7/16

Table 42: Pump set dimensions [mm]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F065-150	015	C	4	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	345	-
F065-150	015	C	4	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	345	-
F065-150	017	F	4	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	636
F065-150	017	F	4	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	645
F065-150	018	C	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	397	-
F065-150	018	C	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	397	-
F065-150	023	F	4	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	636
F065-150	023	F	4	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	645
F065-150	030	F	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	688
F065-150	030	F	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	697
F065-150	035	F	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	688
F065-150	035	F	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	697
F065-150	036	F	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	688
F065-150	036	F	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	697
F065-150	043	F	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	688
F065-150	043	F	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	697
F065-170	022	C	2	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	345	-
F065-170	022	C	2	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	345	-
F065-170	024	F	2	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	636
F065-170	024	F	2	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	645
F065-170	029	C	2	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	430	-
F065-170	029	C	2	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	430	-
F065-170	030	C	2	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	397	-
F065-170	030	C	2	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	397	-
F065-170	040	F	2	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	636
F065-170	040	F	2	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	645
F065-170	042	F	2	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	688
F065-170	042	F	2	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	697
F065-170	046	C	2	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	487	-
F065-170	046	C	2	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	487	-
F065-170	047	F	2	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	688
F065-170	047	F	2	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	697

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F065-170	051	F	2	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	688
F065-170	051	F	2	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	697
F065-170	066	F	2	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	688
F065-170	066	F	2	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	697
F065-170	068	F	2	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	688
F065-170	068	F	2	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	697
F065-230	015	C	4	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	345	-
F065-230	015	C	4	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	345	-
F065-230	017	F	4	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	636
F065-230	017	F	4	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	645
F065-230	018	C	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	397	-
F065-230	018	C	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	397	-
F065-230	023	F	4	U	S	65	65	691	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	636
F065-230	023	F	4	Y	S	65	65	700	440	274	170	151	261	118	60	170	569	145	595	138	4	245	-	645
F065-230	030	F	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	688
F065-230	030	F	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	697
F065-230	035	F	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	688
F065-230	035	F	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	697
F065-230	036	F	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	688
F065-230	036	F	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	357	-	697
F065-230	043	F	4	U	S	65	65	763	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	688
F065-230	043	F	4	Y	S	65	65	772	440	274	170	151	261	118	60	170	569	145	595	138	4	247	-	697

Table 43: Foundation dimensions [in]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F065-150	015	C	4	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-150	015	C	4	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-150	017	F	4	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-150	017	F	4	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-150	018	C	4	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-150	018	C	4	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-150	023	F	4	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-150	023	F	4	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-150	030	F	4	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-150	030	F	4	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-150	035	F	4	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-150	035	F	4	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-150	036	F	4	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-150	036	F	4	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-150	043	F	4	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-150	043	F	4	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	022	C	2	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	022	C	2	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	024	F	2	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	024	F	2	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	029	C	2	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	029	C	2	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	030	C	2	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	030	C	2	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	040	F	2	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	040	F	2	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	042	F	2	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	042	F	2	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	046	C	2	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	046	C	2	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	047	F	2	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	047	F	2	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F065-170	051	F	2	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	051	F	2	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	066	F	2	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	066	F	2	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	068	F	2	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-170	068	F	2	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-230	015	C	4	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-230	015	C	4	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-230	017	F	4	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-230	017	F	4	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-230	018	C	4	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-230	018	C	4	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-230	023	F	4	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-230	023	F	4	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-230	030	F	4	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-230	030	F	4	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-230	035	F	4	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-230	035	F	4	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-230	036	F	4	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-230	036	F	4	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-230	043	F	4	U	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16
F065-230	043	F	4	Y	S	2 1/2	8 1/2	4 3/4	5 1/2	6 1/2	3 3/8	4 3/4	1	6	-	6 1/2	1/2	3/8	3 9/16	21 5/8	21 5/8	17 5/16

Table 44: Foundation dimensions [mm]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F065-150	015	C	4	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-150	015	C	4	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-150	017	F	4	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-150	017	F	4	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-150	018	C	4	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-150	018	C	4	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-150	023	F	4	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-150	023	F	4	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-150	030	F	4	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-150	030	F	4	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-150	035	F	4	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-150	035	F	4	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-150	036	F	4	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-150	036	F	4	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-150	043	F	4	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-150	043	F	4	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	022	C	2	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	022	C	2	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	024	F	2	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	024	F	2	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	029	C	2	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	029	C	2	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	030	C	2	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	030	C	2	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	040	F	2	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	040	F	2	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	042	F	2	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	042	F	2	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	046	C	2	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	046	C	2	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	047	F	2	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	047	F	2	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F065-170	051	F	2	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	051	F	2	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	066	F	2	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	066	F	2	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	068	F	2	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-170	068	F	2	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-230	015	C	4	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-230	015	C	4	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-230	017	F	4	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-230	017	F	4	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-230	018	C	4	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-230	018	C	4	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-230	023	F	4	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-230	023	F	4	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-230	030	F	4	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-230	030	F	4	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-230	035	F	4	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-230	035	F	4	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-230	036	F	4	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-230	036	F	4	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-230	043	F	4	U	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400
F065-230	043	F	4	Y	S	65	216	120	140	165	85	120	25	153	-	165	12	10	90	550	550	400

Table 45: Dimensions for fastening [in], part 1

DN	GH	GW	GW1	GW2	GW3	GW4	GW5	GW6	GW7	GW8	GW9	GW10	SG	SG1	SG2	SG3	SG4
DN 65	70 7/8	3 1/8	1 15/16	3/16	13/16	1/2	9/16	1/2	2 3/8	3 15/16	3 1/8	3/8	1 5/16x1/8	1 15/16	3/16	13/16	1/2

Table 46: Dimensions for fastening [in], part 2

SG5	SG6	SG7	SG8	SG9	SG10	TG	TG1	TG2	TG3	TG4	TG5	TG6	TG7	TG8	TG9
9/16	1/2	3	3 15/16	3 1/8	3/8	1 5/16x1/8	2 3/4	2 3/16	1 15/16	1/2	1/2	1 15/16	3	3 1/8	3/8

Table 47: Dimensions for fastening [mm], part 1

DN	GH	GW	GW1	GW2	GW3	GW4	GW5	GW6	GW7	GW8	GW9	GW10	SG	SG1	SG2	SG3	SG4
DN 65	1800	79	50	5	20	12	15	12	60	100	80	10	33,7x3,2	50	5	20	12

Table 48: Dimensions for fastening [mm], part 2

SG5	SG6	SG7	SG8	SG9	SG10	TG	TG1	TG2	TG3	TG4	TG5	TG6	TG7	TG8	TG9
15	12	76	100	80	10	33,7x3,2	70	55	50	12	12	50	76	80	10

Amarex DN 80, stationary installation, guide cable arrangement, twin guide rail arrangement

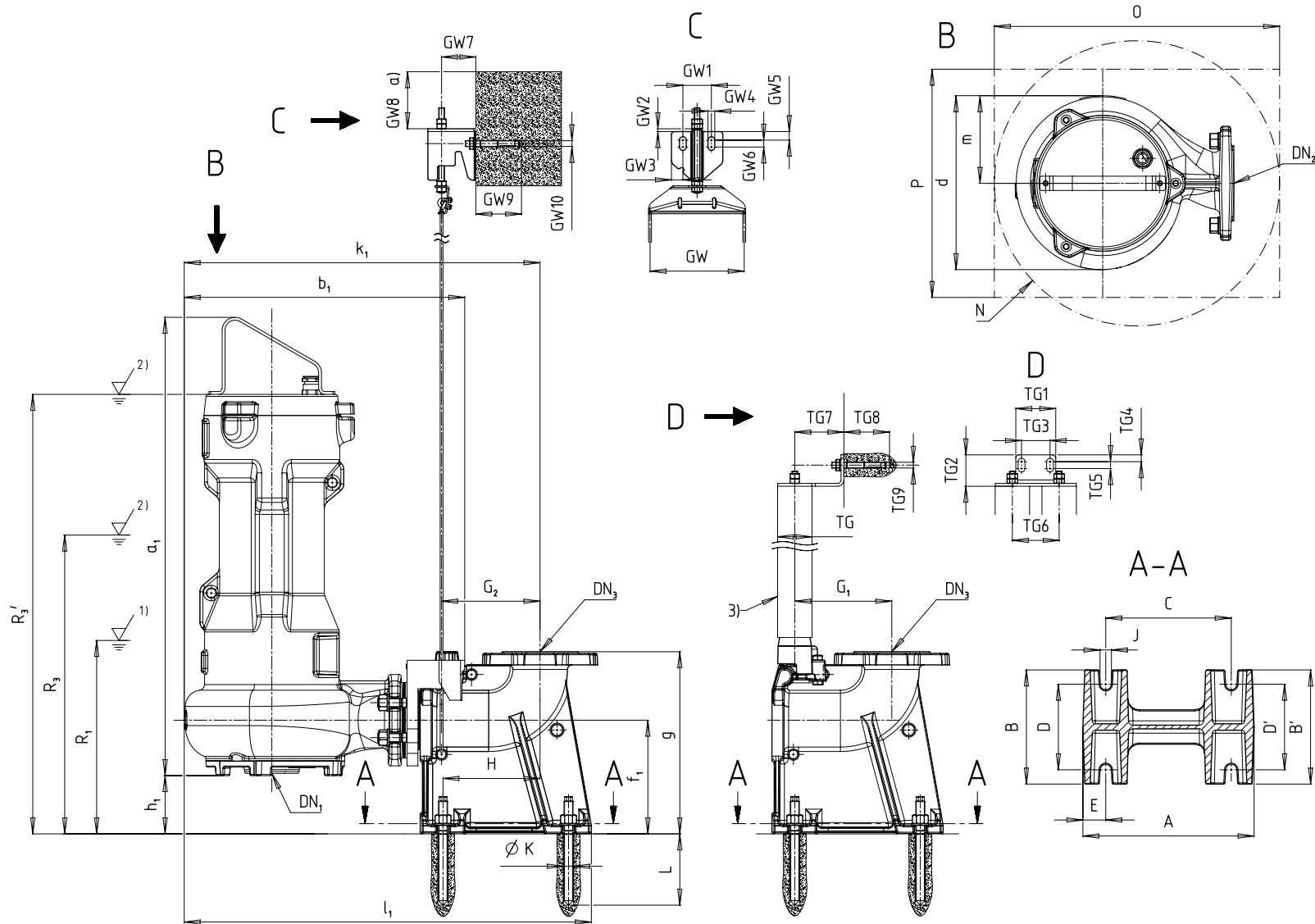


Fig. 7: Amarex 80, stationary installation, guide cable arrangement, twin guide rail arrangement

1)	Lowest stop level for automatic operation
2)	Minimum submergence for continuous duty
3)	Not included in KSB's scope of supply

Table 49: Pump set dimensions [in]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
D080-140	029	C	2	U	S	3	3	26 3/8	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	10 7/8	18 1/8	-
D080-140	029	C	2	Y	S	3	3	26 3/4	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	10 7/8	18 1/8	-
D080-140	030	C	2	U	S	3	3	27 1/2	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	13 9/16	15 1/8	-
D080-140	030	C	2	Y	S	3	3	27 13/16	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	13 9/16	15 1/8	-
D080-140	040	F	2	U	S	3	3	26 3/8	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	10 7/8	-	26 1/4
D080-140	040	F	2	Y	S	3	3	26 3/4	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	10 7/8	-	26 5/8
D080-140	042	F	2	U	S	3	3	27 1/2	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	13 9/16	-	26 9/16
D080-140	042	F	2	Y	S	3	3	27 13/16	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	13 9/16	-	26 15/16
D080-140	047	F	2	U	S	3	3	27 1/2	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	13 9/16	-	26 9/16
D080-140	047	F	2	Y	S	3	3	27 13/16	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	13 9/16	-	26 15/16
D080-140	051	F	2	U	S	3	3	27 1/2	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	13 9/16	-	26 9/16
D080-140	051	F	2	Y	S	3	3	27 13/16	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	13 9/16	-	26 15/16
F080-150	015	C	4	U	S	3	3	27 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	15 11/16	-
F080-150	015	C	4	Y	S	3	3	27 15/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	15 11/16	-
F080-150	017	F	4	U	S	3	3	27 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	-	27 1/8
F080-150	017	F	4	Y	S	3	3	27 15/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	-	27 1/2
F080-150	018	C	4	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	16 3/16	17 3/4	-
F080-150	018	C	4	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	16 3/16	17 3/4	-
F080-150	023	F	4	U	S	3	3	27 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	-	27 1/8
F080-150	023	F	4	Y	S	3	3	27 15/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	-	27 1/2
F080-150	030	F	4	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 7/8	-	29 3/16
F080-150	030	F	4	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 7/8	-	29 9/16
F080-150	035	F	4	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 7/8	-	29 3/16
F080-150	035	F	4	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 7/8	-	29 9/16
F080-150	036	F	4	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	16 3/16	-	29 3/16
F080-150	036	F	4	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	16 3/16	-	29 9/16
F080-150	043	F	4	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 7/8	-	29 3/16
F080-150	043	F	4	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 7/8	-	29 9/16
F080-150	045	C	4	U	S	3	3	31 1/4	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	19 3/4	-

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F080-150	045	C	4	Y	S	3	3	31 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	19 3/4	-
D080-170	046	C	2	U	S	3	3	29 1/4	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	15 5/16	20 7/16	-
D080-170	046	C	2	Y	S	3	3	29 5/8	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	15 5/16	20 7/16	-
D080-170	055	C	2	U	S	3	3	30 1/16	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	17 5/16	18 1/16	-
D080-170	055	C	2	Y	S	3	3	30 3/8	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	17 5/16	18 1/16	-
D080-170	066	F	2	U	S	3	3	29 1/4	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	15 5/16	-	28 3/8
D080-170	066	F	2	Y	S	3	3	29 5/8	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	15 5/16	-	28 11/16
D080-170	068	F	2	U	S	3	3	29 1/4	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	15 5/16	-	28 3/8
D080-170	068	F	2	Y	S	3	3	29 5/8	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	15 5/16	-	28 11/16
D080-170	071	F	2	U	S	3	3	30 1/16	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	17 5/16	-	29 1/8
D080-170	071	F	2	Y	S	3	3	30 3/8	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	17 5/16	-	29 1/2
D080-170	084	F	2	U	S	3	3	30 1/16	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	17 5/16	-	29 1/8
D080-170	084	F	2	Y	S	3	3	30 3/8	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	17 5/16	-	29 1/2
D080-180	015	C	4	U	S	3 25/46	3	26 3/8	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	10 7/8	14 13/16	-
D080-180	015	C	4	Y	S	3 25/46	3	26 3/4	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	10 7/8	14 13/16	-
F080-180	015	C	4	U	S	3	3	27 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	10 7/8	15 11/16	-
F080-180	015	C	4	Y	S	3	3	27 15/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	10 7/8	15 11/16	-
D080-180	017	F	4	U	S	3 25/46	3	26 3/8	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	13 9/16	-	26 1/4
D080-180	017	F	4	Y	S	3 25/46	3	26 3/4	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	13 9/16	-	26 5/8
D080-180	018	C	4	U	S	3 25/46	3	27 1/2	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	10 7/8	15 1/8	-
D080-180	018	C	4	Y	S	3 25/46	3	27 13/16	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	10 7/8	15 1/8	-
F080-180	018	C	4	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	13 9/16	17 3/4	-
F080-180	018	C	4	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	13 9/16	17 3/4	-
D080-180	023	F	4	U	S	3 25/46	3	26 3/8	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	11 3/4	-	26 1/4
D080-180	023	F	4	Y	S	3 25/46	3	26 3/4	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	11 3/4	-	26 5/8
F080-180	023	F	4	U	S	3	3	27 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	16 3/16	-	27 1/8
F080-180	023	F	4	Y	S	3	3	27 15/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	16 3/16	-	27 1/2
F080-180	030	F	4	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	-	29 3/16
F080-180	030	F	4	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	-	29 9/16
F080-180	035	F	4	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 7/8	-	29 3/16
F080-180	035	F	4	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 7/8	-	29 9/16
D080-180	036	F	4	U	S	3 25/46	3	27 1/2	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	11 7/8	-	26 9/16
D080-180	036	F	4	Y	S	3 25/46	3	27 13/16	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	11 7/8	-	26 15/16
F080-180	036	F	4	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	16 3/16	-	29 3/16
F080-180	036	F	4	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	16 3/16	-	29 9/16

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F080-180	043	F	4	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 7/8	-	29 3/16
F080-180	043	F	4	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 7/8	-	29 9/16
F080-180	045	C	4	U	S	3	3	31 1/4	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	19 3/4	-
F080-180	045	C	4	Y	S	3	3	31 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	19 3/4	-
F080-180	065	F	4	U	S	3	3	31 1/4	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	-	30
F080-180	065	F	4	Y	S	3	3	31 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	-	30 3/8
F080-180	070	F	4	U	S	3	3	31 1/4	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	-	30
F080-180	070	F	4	Y	S	3	3	31 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	-	30 3/8
F080-180	077	F	4	U	S	3	3	31 1/4	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	-	30
F080-180	077	F	4	Y	S	3	3	31 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	-	30 3/8
F080-220	046	C	2	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	16 3/16	21 5/16	-
F080-220	046	C	2	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	16 3/16	21 5/16	-
F080-220	047	F	2	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	16 3/16	-	29 3/16
F080-220	047	F	2	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	16 3/16	-	29 9/16
F080-220	051	F	2	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	16 3/16	-	29 3/16
F080-220	051	F	2	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	16 3/16	-	29 9/16
F080-220	055	C	2	U	S	3	3	31 1/4	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	18 15/16	-
F080-220	055	C	2	Y	S	3	3	31 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	18 15/16	-
F080-220	062	F	2	U	S	3	3	31 1/4	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	-	30
F080-220	062	F	2	Y	S	3	3	31 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	-	30 3/8
F080-220	066	F	2	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	16 3/16	-	29 3/16
F080-220	066	F	2	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	16 3/16	-	29 9/16
F080-220	068	F	2	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	16 3/16	-	29 3/16
F080-220	068	F	2	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	16 3/16	-	29 9/16
F080-220	071	F	2	U	S	3	3	31 1/4	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	-	30
F080-220	071	F	2	Y	S	3	3	31 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	-	30 3/8
F080-220	084	F	2	U	S	3	3	31 1/4	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	-	30
F080-220	084	F	2	Y	S	3	3	31 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	-	30 3/8
F080-230	017	F	4	U	S	3	3	27 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	15 5/16	-	27 1/8
F080-230	017	F	4	Y	S	3	3	27 15/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	15 5/16	-	27 1/2
F080-230	023	F	4	U	S	3	3	27 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11	-	27 1/8
F080-230	023	F	4	Y	S	3	3	27 15/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11	-	27 1/2
F080-230	030	F	4	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	17 5/16	-	29 3/16
F080-230	030	F	4	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	17 5/16	-	29 9/16
F080-230	035	F	4	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	17 5/16	-	29 3/16
F080-230	035	F	4	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	17 5/16	-	29 9/16
D080-230	036	F	4	U	S	3	25/46	29 1/4	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	17 5/16	-	28 3/8

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
D080-230	036	F	4	Y	S	3 25/46	3	29 5/8	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	17 5/16	-	28 11/16
F080-230	036	F	4	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	17 5/16	-	29 3/16
F080-230	036	F	4	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	17 5/16	-	29 9/16
D080-230	043	F	4	U	S	3 25/46	3	29 1/4	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	11 3/4	-	28 3/8
D080-230	043	F	4	Y	S	3 25/46	3	29 5/8	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	11 3/4	-	28 11/16
F080-230	043	F	4	U	S	3	3	30 1/2	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	-	29 3/16
F080-230	043	F	4	Y	S	3	3	30 13/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	-	29 9/16
D080-230	045	C	4	U	S	3 25/46	3	30 1/16	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	11 7/8	18 7/8	-
D080-230	045	C	4	Y	S	3 25/46	3	30 3/8	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	11 7/8	18 7/8	-
F080-230	045	C	4	U	S	3	3	31 1/4	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 7/8	19 3/4	-
F080-230	045	C	4	Y	S	3	3	31 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 7/8	19 3/4	-
D080-230	065	F	4	U	S	3 25/46	3	30 1/16	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	16 3/16	-	29 1/8
D080-230	065	F	4	Y	S	3 25/46	3	30 3/8	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	16 3/16	-	29 1/2
F080-230	065	F	4	U	S	3	3	31 1/4	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 7/8	-	30
F080-230	065	F	4	Y	S	3	3	31 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 7/8	-	30 3/8
D080-230	070	F	4	U	S	3 25/46	3	30 1/16	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	18 1/8	-	29 1/8
D080-230	070	F	4	Y	S	3 25/46	3	30 3/8	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	18 1/8	-	29 1/2
F080-230	070	F	4	U	S	3	3	31 1/4	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	-	30
F080-230	070	F	4	Y	S	3	3	31 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	-	30 3/8
D080-230	077	F	4	U	S	3 25/46	3	30 1/16	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	18 1/8	-	29 1/8
D080-230	077	F	4	Y	S	3 25/46	3	30 3/8	19 9/16	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 3/4	6 5/16	28 1/4	6 9/16	3/16	18 1/8	-	29 1/2
F080-230	077	F	4	U	S	3	3	31 1/4	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	-	30
F080-230	077	F	4	Y	S	3	3	31 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	18 1/8	-	30 3/8

Table 50: Pump set dimensions [mm]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
D080-140	029	C	2	U	S	80	80	670	480	282	160	200	320	132	112	200	611	160	701	154	4	276	461	-
D080-140	029	C	2	Y	S	80	80	679	480	282	160	200	320	132	112	200	611	160	701	154	4	276	461	-
D080-140	030	C	2	U	S	80	80	698	480	282	160	200	320	132	112	200	611	160	701	154	4	344	384	-
D080-140	030	C	2	Y	S	80	80	707	480	282	160	200	320	132	112	200	611	160	701	154	4	344	384	-
D080-140	040	F	2	U	S	80	80	670	480	282	160	200	320	132	112	200	611	160	701	154	4	276	-	667
D080-140	040	F	2	Y	S	80	80	679	480	282	160	200	320	132	112	200	611	160	701	154	4	276	-	676
D080-140	042	F	2	U	S	80	80	698	480	282	160	200	320	132	112	200	611	160	701	154	4	344	-	675
D080-140	042	F	2	Y	S	80	80	707	480	282	160	200	320	132	112	200	611	160	701	154	4	344	-	684
D080-140	047	F	2	U	S	80	80	698	480	282	160	200	320	132	112	200	611	160	701	154	4	344	-	675
D080-140	047	F	2	Y	S	80	80	707	480	282	160	200	320	132	112	200	611	160	701	154	4	344	-	684
D080-140	051	F	2	U	S	80	80	698	480	282	160	200	320	132	112	200	611	160	701	154	4	344	-	675
D080-140	051	F	2	Y	S	80	80	707	480	282	160	200	320	132	112	200	611	160	701	154	4	344	-	684
F080-150	015	C	4	U	S	80	80	701	492	305	160	200	320	132	103	200	623	160	713	154	4	298	398	-
F080-150	015	C	4	Y	S	80	80	710	492	305	160	200	320	132	103	200	623	160	713	154	4	298	398	-
F080-150	017	F	4	U	S	80	80	701	492	305	160	200	320	132	103	200	623	160	713	154	4	298	-	689
F080-150	017	F	4	Y	S	80	80	710	492	305	160	200	320	132	103	200	623	160	713	154	4	298	-	698
F080-150	018	C	4	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	411	451	-
F080-150	018	C	4	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	411	451	-
F080-150	023	F	4	U	S	80	80	701	492	305	160	200	320	132	103	200	623	160	713	154	4	298	-	689
F080-150	023	F	4	Y	S	80	80	710	492	305	160	200	320	132	103	200	623	160	713	154	4	298	-	698
F080-150	030	F	4	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	301	-	742
F080-150	030	F	4	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	301	-	751
F080-150	035	F	4	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	301	-	742
F080-150	035	F	4	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	301	-	751
F080-150	036	F	4	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	411	-	742
F080-150	036	F	4	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	411	-	751
F080-150	043	F	4	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	301	-	742
F080-150	043	F	4	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	301	-	751
F080-150	045	C	4	U	S	80	80	794	492	305	160	200	320	132	103	200	623	160	713	154	4	461	501	-
F080-150	045	C	4	Y	S	80	80	803	492	305	160	200	320	132	103	200	623	160	713	154	4	461	501	-
D080-170	046	C	2	U	S	80	80	743	497	282	160	200	320	132	112	200	628	160	718	166	4	389	519	-
D080-170	046	C	2	Y	S	80	80	752	497	282	160	200	320	132	112	200	628	160	718	166	4	389	519	-

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
D080-170	055	C	2	U	S	80	80	763	497	282	160	200	320	132	112	200	628	160	718	166	4	439	459	-
D080-170	055	C	2	Y	S	80	80	772	497	282	160	200	320	132	112	200	628	160	718	166	4	439	459	-
D080-170	066	F	2	U	S	80	80	743	497	282	160	200	320	132	112	200	628	160	718	166	4	389	-	720
D080-170	066	F	2	Y	S	80	80	752	497	282	160	200	320	132	112	200	628	160	718	166	4	389	-	729
D080-170	068	F	2	U	S	80	80	743	497	282	160	200	320	132	112	200	628	160	718	166	4	389	-	720
D080-170	068	F	2	Y	S	80	80	752	497	282	160	200	320	132	112	200	628	160	718	166	4	389	-	729
D080-170	071	F	2	U	S	80	80	763	497	282	160	200	320	132	112	200	628	160	718	166	4	439	-	740
D080-170	071	F	2	Y	S	80	80	772	497	282	160	200	320	132	112	200	628	160	718	166	4	439	-	749
D080-170	084	F	2	U	S	80	80	763	497	282	160	200	320	132	112	200	628	160	718	166	4	439	-	740
D080-170	084	F	2	Y	S	80	80	772	497	282	160	200	320	132	112	200	628	160	718	166	4	439	-	749
D080-180	015	C	4	U	S	90	80	670	480	282	160	200	320	132	112	200	611	160	701	154	4	276	376	-
D080-180	015	C	4	Y	S	90	80	679	480	282	160	200	320	132	112	200	611	160	701	154	4	276	376	-
F080-180	015	C	4	U	S	80	80	701	492	305	160	200	320	132	103	200	623	160	713	154	4	276	398	-
F080-180	015	C	4	Y	S	80	80	710	492	305	160	200	320	132	103	200	623	160	713	154	4	276	398	-
D080-180	017	F	4	U	S	90	80	670	480	282	160	200	320	132	112	200	611	160	701	154	4	344	-	667
D080-180	017	F	4	Y	S	90	80	679	480	282	160	200	320	132	112	200	611	160	701	154	4	344	-	676
D080-180	018	C	4	U	S	90	80	698	480	282	160	200	320	132	112	200	611	160	701	154	4	276	384	-
D080-180	018	C	4	Y	S	90	80	707	480	282	160	200	320	132	112	200	611	160	701	154	4	276	384	-
F080-180	018	C	4	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	344	451	-
F080-180	018	C	4	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	344	451	-
D080-180	023	F	4	U	S	90	80	670	480	282	160	200	320	132	112	200	611	160	701	154	4	298	-	667
D080-180	023	F	4	Y	S	90	80	679	480	282	160	200	320	132	112	200	611	160	701	154	4	298	-	676
F080-180	023	F	4	U	S	80	80	701	492	305	160	200	320	132	103	200	623	160	713	154	4	411	-	689
F080-180	023	F	4	Y	S	80	80	710	492	305	160	200	320	132	103	200	623	160	713	154	4	411	-	698
F080-180	030	F	4	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	298	-	742
F080-180	030	F	4	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	298	-	751
F080-180	035	F	4	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	301	-	742
F080-180	035	F	4	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	301	-	751
D080-180	036	F	4	U	S	90	80	698	480	282	160	200	320	132	112	200	611	160	701	154	4	301	-	675
D080-180	036	F	4	Y	S	90	80	707	480	282	160	200	320	132	112	200	611	160	701	154	4	301	-	684
F080-180	036	F	4	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	411	-	742
F080-180	036	F	4	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	411	-	751
F080-180	043	F	4	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	301	-	742

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F080-180	043	F	4	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	301	-	751
F080-180	045	C	4	U	S	80	80	794	492	305	160	200	320	132	103	200	623	160	713	154	4	461	501	-
F080-180	045	C	4	Y	S	80	80	803	492	305	160	200	320	132	103	200	623	160	713	154	4	461	501	-
F080-180	065	F	4	U	S	80	80	794	492	305	160	200	320	132	103	200	623	160	713	154	4	461	-	762
F080-180	065	F	4	Y	S	80	80	803	492	305	160	200	320	132	103	200	623	160	713	154	4	461	-	771
F080-180	070	F	4	U	S	80	80	794	492	305	160	200	320	132	103	200	623	160	713	154	4	461	-	762
F080-180	070	F	4	Y	S	80	80	803	492	305	160	200	320	132	103	200	623	160	713	154	4	461	-	771
F080-180	077	F	4	U	S	80	80	794	492	305	160	200	320	132	103	200	623	160	713	154	4	461	-	762
F080-180	077	F	4	Y	S	80	80	803	492	305	160	200	320	132	103	200	623	160	713	154	4	461	-	771
F080-220	046	C	2	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	411	541	-
F080-220	046	C	2	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	411	541	-
F080-220	047	F	2	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	411	-	742
F080-220	047	F	2	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	411	-	751
F080-220	051	F	2	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	411	-	742
F080-220	051	F	2	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	411	-	751
F080-220	055	C	2	U	S	80	80	794	492	305	160	200	320	132	103	200	623	160	713	154	4	461	481	-
F080-220	055	C	2	Y	S	80	80	803	492	305	160	200	320	132	103	200	623	160	713	154	4	461	481	-
F080-220	062	F	2	U	S	80	80	794	492	305	160	200	320	132	103	200	623	160	713	154	4	461	-	762
F080-220	062	F	2	Y	S	80	80	803	492	305	160	200	320	132	103	200	623	160	713	154	4	461	-	771
F080-220	066	F	2	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	411	-	742
F080-220	066	F	2	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	411	-	751
F080-220	068	F	2	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	411	-	742
F080-220	068	F	2	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	411	-	751
F080-220	071	F	2	U	S	80	80	794	492	305	160	200	320	132	103	200	623	160	713	154	4	461	-	762
F080-220	071	F	2	Y	S	80	80	803	492	305	160	200	320	132	103	200	623	160	713	154	4	461	-	771
F080-220	084	F	2	U	S	80	80	794	492	305	160	200	320	132	103	200	623	160	713	154	4	461	-	762
F080-220	084	F	2	Y	S	80	80	803	492	305	160	200	320	132	103	200	623	160	713	154	4	461	-	771
F080-230	017	F	4	U	S	80	80	701	492	305	160	200	320	132	103	200	623	160	713	154	4	389	-	689
F080-230	017	F	4	Y	S	80	80	710	492	305	160	200	320	132	103	200	623	160	713	154	4	389	-	698
F080-230	023	F	4	U	S	80	80	701	492	305	160	200	320	132	103	200	623	160	713	154	4	279	-	689
F080-230	023	F	4	Y	S	80	80	710	492	305	160	200	320	132	103	200	623	160	713	154	4	279	-	698
F080-230	030	F	4	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	439	-	742
F080-230	030	F	4	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	439	-	751

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F080-230	035	F	4	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	439	-	742
F080-230	035	F	4	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	439	-	751
D080-230	036	F	4	U	S	90	80	743	497	282	160	200	320	132	112	200	628	160	718	166	4	439	-	720
D080-230	036	F	4	Y	S	90	80	752	497	282	160	200	320	132	112	200	628	160	718	166	4	439	-	729
F080-230	036	F	4	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	439	-	742
F080-230	036	F	4	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	439	-	751
D080-230	043	F	4	U	S	90	80	743	497	282	160	200	320	132	112	200	628	160	718	166	4	298	-	720
D080-230	043	F	4	Y	S	90	80	752	497	282	160	200	320	132	112	200	628	160	718	166	4	298	-	729
F080-230	043	F	4	U	S	80	80	774	492	305	160	200	320	132	103	200	623	160	713	154	4	298	-	742
F080-230	043	F	4	Y	S	80	80	783	492	305	160	200	320	132	103	200	623	160	713	154	4	298	-	751
D080-230	045	C	4	U	S	90	80	763	497	282	160	200	320	132	112	200	628	160	718	166	4	301	479	-
D080-230	045	C	4	Y	S	90	80	772	497	282	160	200	320	132	112	200	628	160	718	166	4	301	479	-
F080-230	045	C	4	U	S	80	80	794	492	305	160	200	320	132	103	200	623	160	713	154	4	301	501	-
F080-230	045	C	4	Y	S	80	80	803	492	305	160	200	320	132	103	200	623	160	713	154	4	301	501	-
D080-230	065	F	4	U	S	90	80	763	497	282	160	200	320	132	112	200	628	160	718	166	4	411	-	740
D080-230	065	F	4	Y	S	90	80	772	497	282	160	200	320	132	112	200	628	160	718	166	4	411	-	749
F080-230	065	F	4	U	S	80	80	794	492	305	160	200	320	132	103	200	623	160	713	154	4	301	-	762
F080-230	065	F	4	Y	S	80	80	803	492	305	160	200	320	132	103	200	623	160	713	154	4	301	-	771
D080-230	070	F	4	U	S	90	80	763	497	282	160	200	320	132	112	200	628	160	718	166	4	461	-	740
D080-230	070	F	4	Y	S	90	80	772	497	282	160	200	320	132	112	200	628	160	718	166	4	461	-	749
F080-230	070	F	4	U	S	80	80	794	492	305	160	200	320	132	103	200	623	160	713	154	4	461	-	762
F080-230	070	F	4	Y	S	80	80	803	492	305	160	200	320	132	103	200	623	160	713	154	4	461	-	771
D080-230	077	F	4	U	S	90	80	763	497	282	160	200	320	132	112	200	628	160	718	166	4	461	-	740
D080-230	077	F	4	Y	S	90	80	772	497	282	160	200	320	132	112	200	628	160	718	166	4	461	-	749
F080-230	077	F	4	U	S	80	80	794	492	305	160	200	320	132	103	200	623	160	713	154	4	461	-	762
F080-230	077	F	4	Y	S	80	80	803	492	305	160	200	320	132	103	200	623	160	713	154	4	461	-	771

Waste Water

Amarex 77

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
D080-170	055	C	2	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-170	055	C	2	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-170	066	F	2	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-170	066	F	2	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-170	068	F	2	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-170	068	F	2	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-170	071	F	2	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-170	071	F	2	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-170	084	F	2	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-170	084	F	2	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-180	015	C	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-180	015	C	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-180	015	C	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-180	015	C	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-180	017	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-180	017	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-180	018	C	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-180	018	C	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-180	018	C	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-180	018	C	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-180	023	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-180	023	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-180	023	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-180	023	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-180	030	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-180	030	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-180	035	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-180	035	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-180	036	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-180	036	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-180	036	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-180	036	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-180	043	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4

Waste Water

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F080-230	035	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-230	035	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-230	036	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-230	036	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-230	036	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-230	036	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-230	043	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-230	043	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-230	043	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-230	043	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-230	045	C	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-230	045	C	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-230	045	C	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-230	045	C	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-230	065	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-230	065	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-230	065	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-230	065	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-230	070	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-230	070	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-230	070	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-230	070	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-230	077	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
D080-230	077	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-230	077	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4
F080-230	077	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 11/16	6 13/16	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	15 3/4

Table 52: Foundation dimensions [mm]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
D080-140	029	C	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-140	029	C	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-140	030	C	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-140	030	C	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-140	040	F	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-140	040	F	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-140	042	F	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-140	042	F	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-140	047	F	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-140	047	F	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-140	051	F	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-140	051	F	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-150	015	C	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-150	015	C	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-150	017	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-150	017	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-150	018	C	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-150	018	C	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-150	023	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-150	023	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-150	030	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-150	030	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-150	035	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-150	035	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-150	036	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-150	036	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-150	043	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-150	043	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-150	045	C	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-150	045	C	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-170	046	C	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-170	046	C	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
D080-170	055	C	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-170	055	C	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-170	066	F	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-170	066	F	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-170	068	F	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-170	068	F	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-170	071	F	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-170	071	F	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-170	084	F	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-170	084	F	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-180	015	C	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-180	015	C	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	015	C	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	015	C	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-180	017	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-180	017	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-180	018	C	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-180	018	C	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	018	C	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	018	C	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-180	023	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-180	023	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	023	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	023	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	030	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	030	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	035	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	035	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-180	036	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-180	036	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	036	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	036	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	043	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F080-180	043	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	045	C	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	045	C	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	065	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	065	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	070	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	070	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	077	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-180	077	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-220	046	C	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-220	046	C	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-220	047	F	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-220	047	F	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-220	051	F	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-220	051	F	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-220	055	C	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-220	055	C	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-220	062	F	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-220	062	F	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-220	066	F	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-220	066	F	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-220	068	F	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-220	068	F	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-220	071	F	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-220	071	F	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-220	084	F	2	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-220	084	F	2	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	017	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	017	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	023	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	023	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	030	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	030	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F080-230	035	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	035	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-230	036	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-230	036	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	036	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	036	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-230	043	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-230	043	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	043	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	043	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-230	045	C	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-230	045	C	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	045	C	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	045	C	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-230	065	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-230	065	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	065	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	065	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-230	070	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-230	070	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	070	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	070	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-230	077	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
D080-230	077	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	077	F	4	U	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400
F080-230	077	F	4	Y	S	80	300	200	200	220	150	150	40	170	173	170	20	18	125	580	580	400

Table 53: Dimensions for fastening [in], part 1

DN	GH	GW	GW1	GW2	GW3	GW4	GW5	GW6	GW7	GW8	GW9	GW10	SG	SG1	SG2	SG3	SG4
DN 80	-	6 1/2	1 15/16	3/16	13/16	1/2	9/16	1/2	2 3/8	3 15/16	3 1/8	3/8	2 3/8x1/8	1 15/16	3/16	13/16	1/2

Table 54: Dimensions for fastening [in], part 2

SG5	SG6	SG7	SG8	SG9	SG10	TG	TG1	TG2	TG3	TG4	TG5	TG6	TG7	TG8	TG9
9/16	1/2	2 3/8	3 15/16	3 1/8	3/8	2 3/8x1/8	2 3/4	2 3/16	1 15/16	1/2	1/2	3 1/4	3 3/8	3 1/8	3/8

Table 55: Dimensions for fastening [mm], part 1

DN	GH	GW	GW1	GW2	GW3	GW4	GW5	GW6	GW7	GW8	GW9	GW10	SG	SG1	SG2	SG3	SG4
DN 80	-	165	50	5	20	12	15	12	60	100	80	10	60,3x3,6	50	5	20	12

Table 56: Dimensions for fastening [mm], part 2

SG5	SG6	SG7	SG8	SG9	SG10	TG	TG1	TG2	TG3	TG4	TG5	TG6	TG7	TG8	TG9
15	12	60	100	80	10	60,3x3,6	70	55	50	12	12	82	86	80	10

Amarex DN 80, stationary installation, single guide rail arrangement

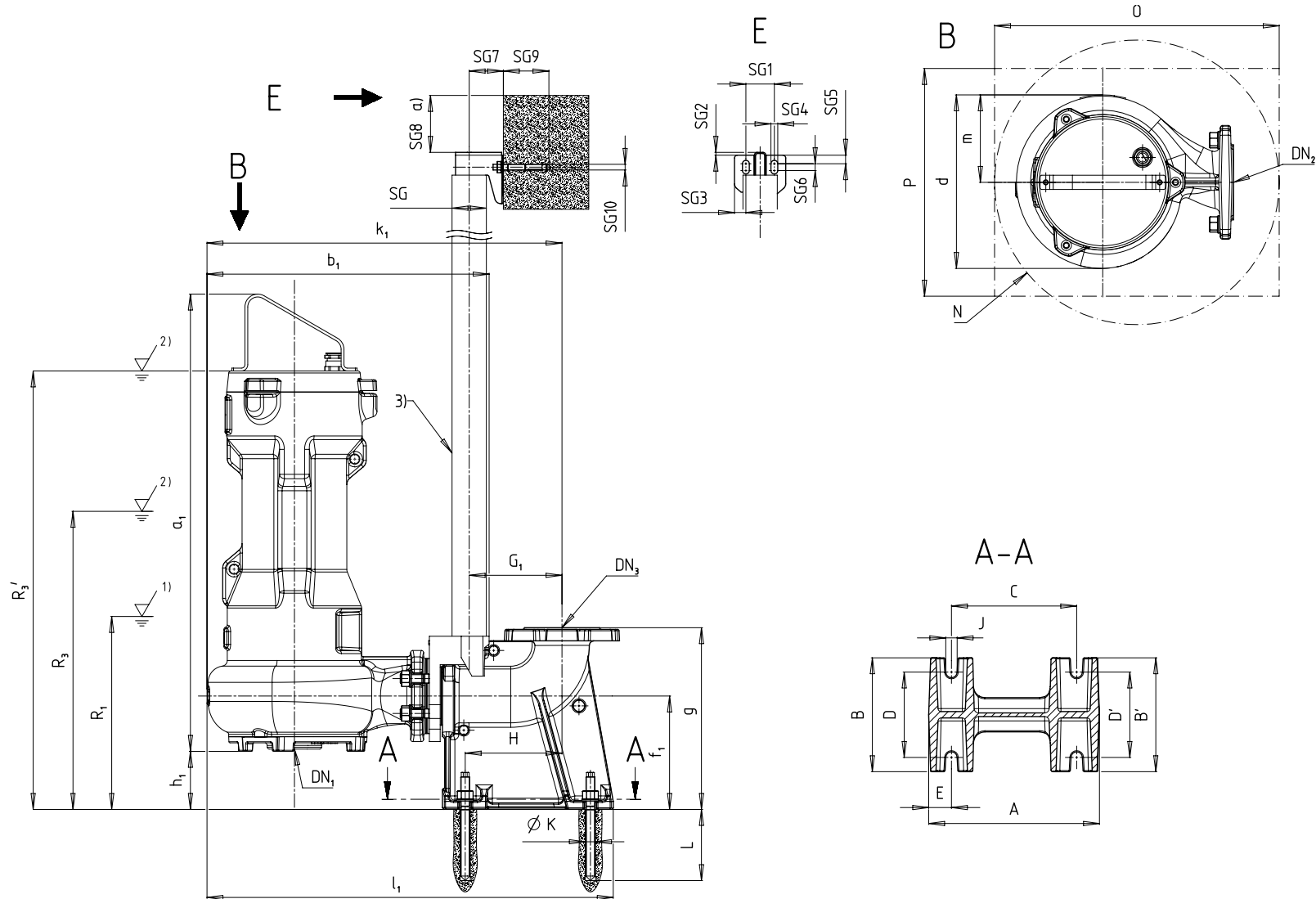


Fig. 8: Dimensions, Amarex DN 80, stationary installation, single guide rail arrangement

1)	Lowest stop level for automatic operation
2)	Minimum submergence for continuous duty
3)	Not included in KSB's scope of supply

Table 57: Pump set dimensions [in]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
D080-140	029	C	2	U	S	3	3	26 3/8	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	10 7/8	18 1/8	-
D080-140	029	C	2	Y	S	3	3	26 3/4	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	10 7/8	18 1/8	-
D080-140	040	F	2	U	S	3	3	26 3/8	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	10 7/8	-	26 1/4
D080-140	040	F	2	Y	S	3	3	26 3/4	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	10 7/8	-	26 5/8
F080-150	015	C	4	U	S	3	3	27 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	15 11/16	-
F080-150	015	C	4	Y	S	3	3	27 15/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	15 11/16	-
F080-150	017	F	4	U	S	3	3	27 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	-	27 1/8
F080-150	017	F	4	Y	S	3	3	27 15/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	-	27 1/2
F080-150	023	F	4	U	S	3	3	27 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	-	27 1/8
F080-150	023	F	4	Y	S	3	3	27 15/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	-	27 1/2
D080-180	015	C	4	U	S	3 25/46	3	26 3/8	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	10 7/8	14 13/16	-
D080-180	015	C	4	Y	S	3 25/46	3	26 3/4	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	10 7/8	14 13/16	-
F080-180	015	C	4	U	S	3	3	27 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	10 7/8	15 11/16	-
F080-180	015	C	4	Y	S	3	3	27 15/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	10 7/8	15 11/16	-
D080-180	017	F	4	U	S	3 25/46	3	26 3/8	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	10 7/8	-	26 1/4
D080-180	017	F	4	Y	S	3 25/46	3	26 3/4	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	10 7/8	-	26 5/8
D080-180	023	F	4	U	S	3 25/46	3	26 3/8	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	11 3/4	-	26 1/4
D080-180	023	F	4	Y	S	3 25/46	3	26 3/4	18 7/8	11 1/8	6 5/16	7 7/8	12 5/8	5 3/16	4 7/16	7 7/8	24 1/16	6 5/16	27 5/8	6 1/16	3/16	11 3/4	-	26 5/8
F080-180	023	F	4	U	S	3	3	27 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	-	27 1/8
F080-180	023	F	4	Y	S	3	3	27 15/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	-	27 1/2
F080-230	017	F	4	U	S	3	3	27 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	-	27 1/8
F080-230	017	F	4	Y	S	3	3	27 15/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	-	27 1/2
F080-230	023	F	4	U	S	3	3	27 5/8	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	-	27 1/8
F080-230	023	F	4	Y	S	3	3	27 15/16	19 3/8	12	6 5/16	7 7/8	12 5/8	5 3/16	4 1/16	7 7/8	24 1/2	6 5/16	28 1/16	6 1/16	3/16	11 3/4	-	27 1/2

Table 58: Pump set dimensions [mm]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
D080-140	029	C	2	U	S	80	80	670	480	282	160	200	320	132	112	200	611	160	701	154	4	276	461	-
D080-140	029	C	2	Y	S	80	80	679	480	282	160	200	320	132	112	200	611	160	701	154	4	276	461	-
D080-140	040	F	2	U	S	80	80	670	480	282	160	200	320	132	112	200	611	160	701	154	4	276	-	667
D080-140	040	F	2	Y	S	80	80	679	480	282	160	200	320	132	112	200	611	160	701	154	4	276	-	676
F080-150	015	C	4	U	S	80	80	701	492	305	160	200	320	132	103	200	623	160	713	154	4	298	398	-
F080-150	015	C	4	Y	S	80	80	710	492	305	160	200	320	132	103	200	623	160	713	154	4	298	398	-
F080-150	017	F	4	U	S	80	80	701	492	305	160	200	320	132	103	200	623	160	713	154	4	298	-	689
F080-150	017	F	4	Y	S	80	80	710	492	305	160	200	320	132	103	200	623	160	713	154	4	298	-	698
F080-150	023	F	4	U	S	80	80	701	492	305	160	200	320	132	103	200	623	160	713	154	4	298	-	689
F080-150	023	F	4	Y	S	80	80	710	492	305	160	200	320	132	103	200	623	160	713	154	4	298	-	698
D080-180	015	C	4	U	S	90	80	670	480	282	160	200	320	132	112	200	611	160	701	154	4	276	376	-
D080-180	015	C	4	Y	S	90	80	679	480	282	160	200	320	132	112	200	611	160	701	154	4	276	376	-
F080-180	015	C	4	U	S	80	80	701	492	305	160	200	320	132	103	200	623	160	713	154	4	276	398	-
F080-180	015	C	4	Y	S	80	80	710	492	305	160	200	320	132	103	200	623	160	713	154	4	276	398	-
D080-180	017	F	4	U	S	90	80	670	480	282	160	200	320	132	112	200	611	160	701	154	4	276	-	667
D080-180	017	F	4	Y	S	90	80	679	480	282	160	200	320	132	112	200	611	160	701	154	4	276	-	676
D080-180	023	F	4	U	S	90	80	670	480	282	160	200	320	132	112	200	611	160	701	154	4	298	-	667
D080-180	023	F	4	Y	S	90	80	679	480	282	160	200	320	132	112	200	611	160	701	154	4	298	-	676
F080-180	023	F	4	U	S	80	80	701	492	305	160	200	320	132	103	200	623	160	713	154	4	298	-	689
F080-180	023	F	4	Y	S	80	80	710	492	305	160	200	320	132	103	200	623	160	713	154	4	298	-	698
F080-230	017	F	4	U	S	80	80	701	492	305	160	200	320	132	103	200	623	160	713	154	4	298	-	689
F080-230	017	F	4	Y	S	80	80	710	492	305	160	200	320	132	103	200	623	160	713	154	4	298	-	698
F080-230	023	F	4	U	S	80	80	701	492	305	160	200	320	132	103	200	623	160	713	154	4	298	-	689
F080-230	023	F	4	Y	S	80	80	710	492	305	160	200	320	132	103	200	623	160	713	154	4	298	-	698

Table 59: Foundation dimensions [in]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
D080-140	029	C	2	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	18 7/8
D080-140	029	C	2	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	18 7/8
D080-140	040	F	2	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	18 7/8
D080-140	040	F	2	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	18 7/8
F080-150	015	C	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	19 3/8
F080-150	015	C	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	19 3/8
F080-150	017	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	19 3/8
F080-150	017	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	19 3/8
F080-150	023	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	19 3/8
F080-150	023	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	19 3/8
D080-180	015	C	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	18 7/8
D080-180	015	C	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	18 7/8
F080-180	015	C	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	19 3/8
F080-180	015	C	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	19 3/8
D080-180	017	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	18 7/8
D080-180	017	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	18 7/8
D080-180	023	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	18 7/8
D080-180	023	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	18 7/8
F080-180	023	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	19 3/8
F080-180	023	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	19 3/8
F080-230	017	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	19 3/8
F080-230	017	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	19 3/8
F080-230	023	F	4	U	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	19 3/8
F080-230	023	F	4	Y	S	3	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	6 7/16	-	6 11/16	13/16	11/16	4 15/16	22 13/16	22 13/16	19 3/8

Table 60: Foundation dimensions [mm]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
D080-140	029	C	2	U	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
D080-140	029	C	2	Y	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
D080-140	040	F	2	U	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
D080-140	040	F	2	Y	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
F080-150	015	C	4	U	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
F080-150	015	C	4	Y	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
F080-150	017	F	4	U	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
F080-150	017	F	4	Y	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
F080-150	023	F	4	U	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
F080-150	023	F	4	Y	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
D080-180	015	C	4	U	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
D080-180	015	C	4	Y	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
F080-180	015	C	4	U	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
F080-180	015	C	4	Y	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
D080-180	017	F	4	U	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
D080-180	017	F	4	Y	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
D080-180	023	F	4	U	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
D080-180	023	F	4	Y	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
F080-180	023	F	4	U	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
F080-180	023	F	4	Y	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
F080-230	017	F	4	U	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
F080-230	017	F	4	Y	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
F080-230	023	F	4	U	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400
F080-230	023	F	4	Y	S	80	300	200	200	220	150	150	40	163	-	170	20	18	125	580	580	400

Table 61: Dimensions for fastening [in], part 1

DN	GH	GW	GW1	GW2	GW3	GW4	GW5	GW6	GW7	GW8	GW9	GW10	SG	SG1	SG2	SG3	SG4
DN 80	-	6 1/2	1 15/16	3/16	13/16	1/2	9/16	1/2	2 3/8	3 15/16	3 1/8	3/8	2 3/8x1/8	1 15/16	3/16	13/16	1/2

Table 62: Dimensions for fastening [in], part 2

SG5	SG6	SG7	SG8	SG9	SG10	TG	TG1	TG2	TG3	TG4	TG5	TG6	TG7	TG8	TG9
9/16	1/2	2 3/8	3 15/16	3 1/8	3/8	2 3/8x1/8	2 3/4	2 3/16	1 15/16	1/2	1/2	3 1/4	3 3/8	3 1/8	3/8

Table 63: Dimensions for fastening [mm], part 1

DN	GH	GW	GW1	GW2	GW3	GW4	GW5	GW6	GW7	GW8	GW9	GW10	SG	SG1	SG2	SG3	SG4
DN 80	-	165	50	5	20	12	15	12	60	100	80	10	60,3x3,6	50	5	20	12

Table 64: Dimensions for fastening [mm], part 2

SG5	SG6	SG7	SG8	SG9	SG10	TG	TG1	TG2	TG3	TG4	TG5	TG6	TG7	TG8	TG9
15	12	60	100	80	10	60,3x3,6	70	55	50	12	12	82	86	80	10

Amarex DN 100, stationary installation, guide cable arrangement, twin guide rail arrangement

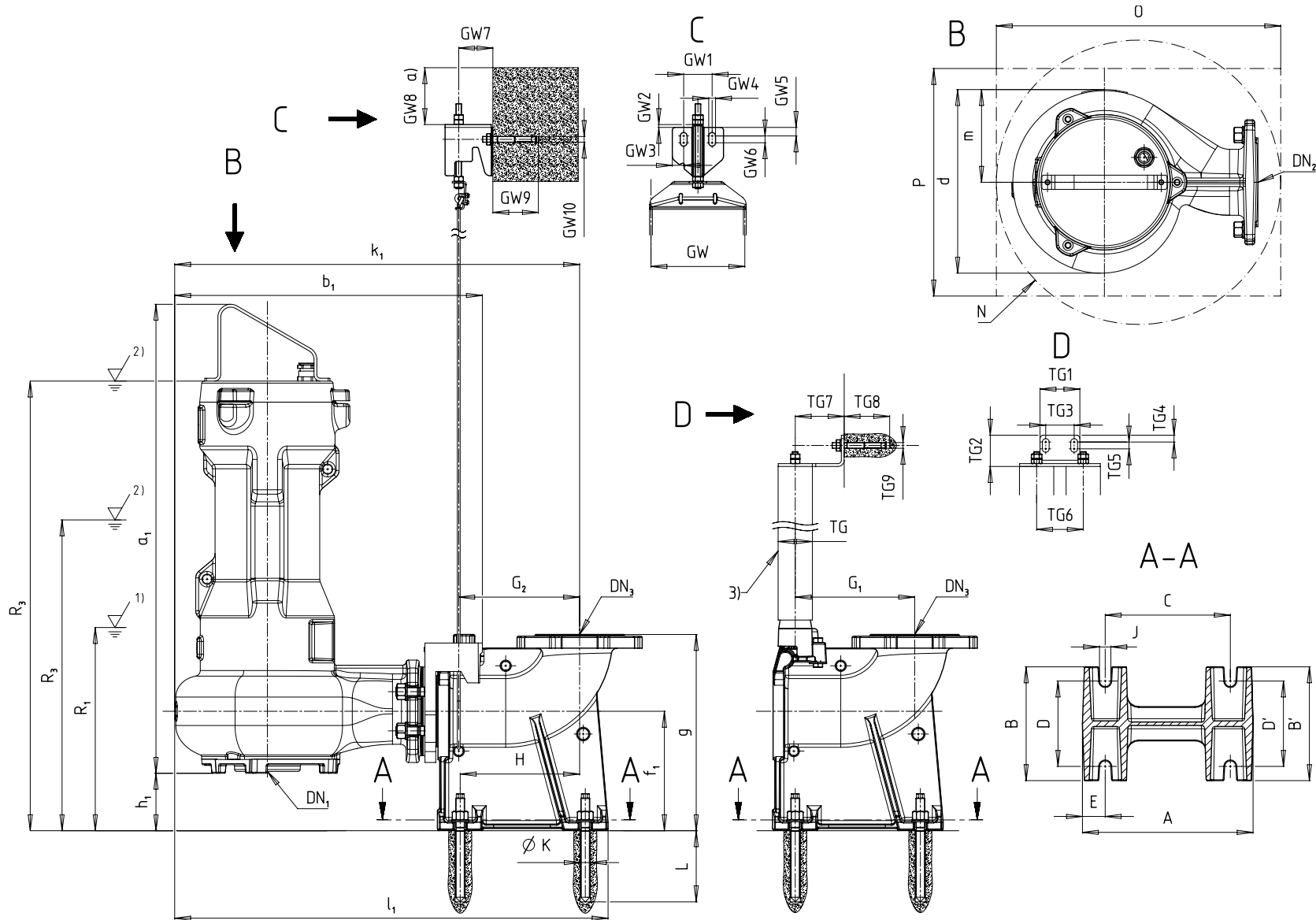


Fig. 9: Dimensions, Amarex DN 100, stationary installation, guide cable arrangement, twin guide rail arrangement

1)	Lowest stop level for automatic operation
2)	Minimum submergence for continuous duty
3)	Not included in KSB's scope of supply

Table 65: Pump set dimensions [in]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
D100-140	040	F	2	U	S	3 1/2	4	27 1/8	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	11 5/8	-	27
D100-140	040	F	2	Y	S	3 1/2	4	27 1/2	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	11 5/8	-	27 3/8
D100-140	042	F	2	U	S	3 1/2	4	28 1/4	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	14 5/16	-	27 5/16
D100-140	042	F	2	Y	S	3 1/2	4	28 9/16	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	14 5/16	-	27 11/16
D100-140	047	F	2	U	S	3 1/2	4	28 1/4	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	14 5/16	-	27 5/16
D100-140	047	F	2	Y	S	3 1/2	4	28 9/16	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	14 5/16	-	27 11/16
D100-140	051	F	2	U	S	3 1/2	4	28 1/4	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	14 5/16	-	27 5/16
D100-140	051	F	2	Y	S	3 1/2	4	28 9/16	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	14 5/16	-	27 11/16
D100-170	051	F	2	U	S	3 1/2	4	29 3/4	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	15 13/16	-	28 7/8
D100-170	051	F	2	Y	S	3 1/2	4	30 1/8	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	15 13/16	-	29 3/16
D100-170	055	C	2	U	S	3 1/2	4	30 9/16	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	17 13/16	18 9/16	-
D100-170	055	C	2	Y	S	3 1/2	4	30 7/8	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	17 13/16	18 9/16	-
D100-170	062	F	2	U	S	3 1/2	4	30 9/16	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	17 13/16	-	29 5/8
D100-170	062	F	2	Y	S	3 1/2	4	30 7/8	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	17 13/16	-	30
D100-170	066	F	2	U	S	3 1/2	4	29 3/4	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	15 13/16	-	28 7/8
D100-170	066	F	2	Y	S	3 1/2	4	30 1/8	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	15 13/16	-	29 3/16
D100-170	068	F	2	U	S	3 1/2	4	29 3/4	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	15 13/16	-	28 7/8
D100-170	068	F	2	Y	S	3 1/2	4	30 1/8	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	15 13/16	-	29 3/16
D100-170	071	F	2	U	S	3 1/2	4	30 9/16	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	17 13/16	-	29 5/8
D100-170	071	F	2	Y	S	3 1/2	4	30 7/8	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	17 13/16	-	30
D100-170	084	F	2	U	S	3 1/2	4	30 9/16	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	17 13/16	-	29 5/8
D100-170	084	F	2	Y	S	3 1/2	4	30 7/8	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	17 13/16	-	30
D100-180	015	C	4	U	S	4 1/3	4	27 1/8	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	11 5/8	15 9/16	-
D100-180	015	C	4	Y	S	4 1/3	4	27 1/2	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	11 5/8	15 9/16	-
F100-180	015	C	4	U	S	4	4	28 1/2	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	11 5/8	16 7/16	-
F100-180	015	C	4	Y	S	4	4	28 7/8	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	11 5/8	16 7/16	-
D100-180	017	F	4	U	S	4 1/3	4	27 1/8	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	14 5/16	-	27
D100-180	017	F	4	Y	S	4 1/3	4	27 1/2	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	14 5/16	-	27 3/8

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F100-180	017	F	4	U	S	4	4	28 1/2	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	11 5/8	-	27 15/16
F100-180	017	F	4	Y	S	4	4	28 7/8	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	11 5/8	-	28 1/4
D100-180	018	C	4	U	S	4 1/3	4	28 1/4	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	14 5/16	15 7/8	-
D100-180	018	C	4	Y	S	4 1/3	4	28 9/16	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	14 5/16	15 7/8	-
F100-180	018	C	4	U	S	4	4	31 3/8	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	12 1/2	18 9/16	-
F100-180	018	C	4	Y	S	4	4	31 3/4	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	12 1/2	18 9/16	-
D100-180	023	F	4	U	S	4 1/3	4	27 1/8	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	12 1/2	-	27
D100-180	023	F	4	Y	S	4 1/3	4	27 1/2	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	12 1/2	-	27 3/8
F100-180	023	F	4	U	S	4	4	28 1/2	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	16 15/16	-	27 15/16
F100-180	023	F	4	Y	S	4	4	28 7/8	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	16 15/16	-	28 1/4
F100-180	030	F	4	U	S	4	4	31 3/8	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	12 1/2	-	30
F100-180	030	F	4	Y	S	4	4	31 3/4	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	12 1/2	-	30 3/8
F100-180	035	F	4	U	S	4	4	31 3/8	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	12 5/8	-	30
F100-180	035	F	4	Y	S	4	4	31 3/4	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	12 5/8	-	30 3/8
D100-180	036	F	4	U	S	4 1/3	4	28 1/4	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	12 5/8	-	27 5/16
D100-180	036	F	4	Y	S	4 1/3	4	28 9/16	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	12 5/8	-	27 11/16
F100-180	036	F	4	U	S	4	4	31 3/8	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	16 15/16	-	30
F100-180	036	F	4	Y	S	4	4	31 3/4	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	16 15/16	-	30 3/8
F100-180	043	F	4	U	S	4	4	31 3/8	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	12 5/8	-	30
F100-180	043	F	4	Y	S	4	4	31 3/4	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	12 5/8	-	30 3/8
F100-180	045	C	4	U	S	4	4	32 3/16	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	18 15/16	20 1/2	-
F100-180	045	C	4	Y	S	4	4	32 1/2	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	18 15/16	20 1/2	-
F100-180	065	F	4	U	S	4	4	32 3/16	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	18 15/16	-	30 13/16
F100-180	065	F	4	Y	S	4	4	32 1/2	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	18 15/16	-	31 1/8
D100-230	035	F	4	U	S	4 1/3	4	29 3/4	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	11 1/2	-	28 7/8
D100-230	035	F	4	Y	S	4 1/3	4	30 1/8	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	11 1/2	-	29 3/16
F100-230	035	F	4	U	S	4	4	31 3/8	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	11 1/2	-	30
F100-230	035	F	4	Y	S	4	4	31 3/4	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	11 1/2	-	30 3/8
F100-230	036	F	4	U	S	4	4	31 3/8	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	17 13/16	-	30
F100-230	036	F	4	Y	S	4	4	31 3/4	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	17 13/16	-	30 3/8
D100-230	043	F	4	U	S	4 1/3	4	29 3/4	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	17 13/16	-	28 7/8
D100-230	043	F	4	Y	S	4 1/3	4	30 1/8	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	17 13/16	-	29 3/16
F100-230	043	F	4	U	S	4	4	31 3/8	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	17 13/16	-	30
F100-230	043	F	4	Y	S	4	4	31 3/4	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	17 13/16	-	30 3/8
D100-230	045	C	4	U	S	4 1/3	4	30 9/16	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	17 13/16	19 3/8	-

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
D100-230	045	C	4	Y	S	4 1/3	4	30 7/8	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	17 13/16	19 3/8	-
F100-230	045	C	4	U	S	4	4	32 3/16	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	12 5/8	20 1/2	-
F100-230	045	C	4	Y	S	4	4	32 1/2	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	12 5/8	20 1/2	-
D100-230	065	F	4	U	S	4 1/3	4	30 9/16	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	16 15/16	-	29 5/8
D100-230	065	F	4	Y	S	4 1/3	4	30 7/8	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	16 15/16	-	30
F100-230	065	F	4	U	S	4	4	32 3/16	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	12 5/8	-	30 13/16
F100-230	065	F	4	Y	S	4	4	32 1/2	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	12 5/8	-	31 1/8
D100-230	070	F	4	U	S	4 1/3	4	30 9/16	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	18 15/16	-	29 5/8
D100-230	070	F	4	Y	S	4 1/3	4	30 7/8	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	18 15/16	-	30
F100-230	070	F	4	U	S	4	4	32 3/16	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	18 15/16	-	30 13/16
F100-230	070	F	4	Y	S	4	4	32 1/2	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	18 15/16	-	31 1/8
D100-230	077	F	4	U	S	4 1/3	4	30 9/16	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	18 15/16	-	29 5/8
D100-230	077	F	4	Y	S	4 1/3	4	30 7/8	21 9/16	13 1/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	28 1/4	7 1/16	30 3/16	7 7/16	3/16	18 15/16	-	30
F100-230	077	F	4	U	S	4	4	32 3/16	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	18 15/16	-	30 13/16
F100-230	077	F	4	Y	S	4	4	32 1/2	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	18 15/16	-	31 1/8

Table 66: Pump set dimensions [mm]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
D100-140	040	F	2	U	S	90	100	689	538	324	180	210	345	156	112	220	708	180	758	185	4	295	-	686
D100-140	040	F	2	Y	S	90	100	698	538	324	180	210	345	156	112	220	708	180	758	185	4	295	-	695
D100-140	042	F	2	U	S	90	100	717	538	324	180	210	345	156	112	220	708	180	758	185	4	363	-	694
D100-140	042	F	2	Y	S	90	100	726	538	324	180	210	345	156	112	220	708	180	758	185	4	363	-	703
D100-140	047	F	2	U	S	90	100	717	538	324	180	210	345	156	112	220	708	180	758	185	4	363	-	694
D100-140	047	F	2	Y	S	90	100	726	538	324	180	210	345	156	112	220	708	180	758	185	4	363	-	703

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
D100-140	051	F	2	U	S	90	100	717	538	324	180	210	345	156	112	220	708	180	758	185	4	363	-	694
D100-140	051	F	2	Y	S	90	100	726	538	324	180	210	345	156	112	220	708	180	758	185	4	363	-	703
D100-170	051	F	2	U	S	90	100	756	547	336	180	210	345	156	112	220	717	180	767	189	4	402	-	733
D100-170	051	F	2	Y	S	90	100	765	547	336	180	210	345	156	112	220	717	180	767	189	4	402	-	742
D100-170	055	C	2	U	S	90	100	776	547	336	180	210	345	156	112	220	717	180	767	189	4	452	472	-
D100-170	055	C	2	Y	S	90	100	785	547	336	180	210	345	156	112	220	717	180	767	189	4	452	472	-
D100-170	062	F	2	U	S	90	100	776	547	336	180	210	345	156	112	220	717	180	767	189	4	452	-	753
D100-170	062	F	2	Y	S	90	100	785	547	336	180	210	345	156	112	220	717	180	767	189	4	452	-	762
D100-170	066	F	2	U	S	90	100	756	547	336	180	210	345	156	112	220	717	180	767	189	4	402	-	733
D100-170	066	F	2	Y	S	90	100	765	547	336	180	210	345	156	112	220	717	180	767	189	4	402	-	742
D100-170	068	F	2	U	S	90	100	756	547	336	180	210	345	156	112	220	717	180	767	189	4	402	-	733
D100-170	068	F	2	Y	S	90	100	765	547	336	180	210	345	156	112	220	717	180	767	189	4	402	-	742
D100-170	071	F	2	U	S	90	100	776	547	336	180	210	345	156	112	220	717	180	767	189	4	452	-	753
D100-170	071	F	2	Y	S	90	100	785	547	336	180	210	345	156	112	220	717	180	767	189	4	452	-	762
D100-170	084	F	2	U	S	90	100	776	547	336	180	210	345	156	112	220	717	180	767	189	4	452	-	753
D100-170	084	F	2	Y	S	90	100	785	547	336	180	210	345	156	112	220	717	180	767	189	4	452	-	762
D100-180	015	C	4	U	S	110	100	689	538	324	180	210	345	156	112	220	708	180	758	185	4	295	395	-
D100-180	015	C	4	Y	S	110	100	698	538	324	180	210	345	156	112	220	708	180	758	185	4	295	395	-
F100-180	015	C	4	U	S	100	100	724	540	323	180	210	345	156	100	220	710	180	760	163	4	295	418	-
F100-180	015	C	4	Y	S	100	100	733	540	323	180	210	345	156	100	220	710	180	760	163	4	295	418	-
D100-180	017	F	4	U	S	110	100	689	538	324	180	210	345	156	112	220	708	180	758	185	4	363	-	686
D100-180	017	F	4	Y	S	110	100	698	538	324	180	210	345	156	112	220	708	180	758	185	4	363	-	695
F100-180	017	F	4	U	S	100	100	724	540	323	180	210	345	156	100	220	710	180	760	163	4	295	-	709
F100-180	017	F	4	Y	S	100	100	733	540	323	180	210	345	156	100	220	710	180	760	163	4	295	-	718
D100-180	018	C	4	U	S	110	100	717	538	324	180	210	345	156	112	220	708	180	758	185	4	363	403	-
D100-180	018	C	4	Y	S	110	100	726	538	324	180	210	345	156	112	220	708	180	758	185	4	363	403	-
F100-180	018	C	4	U	S	100	100	797	540	323	180	210	345	156	100	220	710	180	760	163	4	318	471	-
F100-180	018	C	4	Y	S	100	100	806	540	323	180	210	345	156	100	220	710	180	760	163	4	318	471	-
D100-180	023	F	4	U	S	110	100	689	538	324	180	210	345	156	112	220	708	180	758	185	4	318	-	686
D100-180	023	F	4	Y	S	110	100	698	538	324	180	210	345	156	112	220	708	180	758	185	4	318	-	695
F100-180	023	F	4	U	S	100	100	724	540	323	180	210	345	156	100	220	710	180	760	163	4	431	-	709
F100-180	023	F	4	Y	S	100	100	733	540	323	180	210	345	156	100	220	710	180	760	163	4	431	-	718
F100-180	030	F	4	U	S	100	100	797	540	323	180	210	345	156	100	220	710	180	760	163	4	318	-	762

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F100-180	030	F	4	Y	S	100	100	806	540	323	180	210	345	156	100	220	710	180	760	163	4	318	-	771
F100-180	035	F	4	U	S	100	100	797	540	323	180	210	345	156	100	220	710	180	760	163	4	321	-	762
F100-180	035	F	4	Y	S	100	100	806	540	323	180	210	345	156	100	220	710	180	760	163	4	321	-	771
D100-180	036	F	4	U	S	110	100	717	538	324	180	210	345	156	112	220	708	180	758	185	4	321	-	694
D100-180	036	F	4	Y	S	110	100	726	538	324	180	210	345	156	112	220	708	180	758	185	4	321	-	703
F100-180	036	F	4	U	S	100	100	797	540	323	180	210	345	156	100	220	710	180	760	163	4	431	-	762
F100-180	036	F	4	Y	S	100	100	806	540	323	180	210	345	156	100	220	710	180	760	163	4	431	-	771
F100-180	043	F	4	U	S	100	100	797	540	323	180	210	345	156	100	220	710	180	760	163	4	321	-	762
F100-180	043	F	4	Y	S	100	100	806	540	323	180	210	345	156	100	220	710	180	760	163	4	321	-	771
F100-180	045	C	4	U	S	100	100	817	540	323	180	210	345	156	100	220	710	180	760	163	4	481	521	-
F100-180	045	C	4	Y	S	100	100	826	540	323	180	210	345	156	100	220	710	180	760	163	4	481	521	-
F100-180	065	F	4	U	S	100	100	817	540	323	180	210	345	156	100	220	710	180	760	163	4	481	-	782
F100-180	065	F	4	Y	S	100	100	826	540	323	180	210	345	156	100	220	710	180	760	163	4	481	-	791
D100-230	035	F	4	U	S	110	100	756	547	336	180	210	345	156	112	220	717	180	767	189	4	292	-	733
D100-230	035	F	4	Y	S	110	100	765	547	336	180	210	345	156	112	220	717	180	767	189	4	292	-	742
F100-230	035	F	4	U	S	100	100	797	540	323	180	210	345	156	100	220	710	180	760	163	4	292	-	762
F100-230	035	F	4	Y	S	100	100	806	540	323	180	210	345	156	100	220	710	180	760	163	4	292	-	771
F100-230	036	F	4	U	S	100	100	797	540	323	180	210	345	156	100	220	710	180	760	163	4	452	-	762
F100-230	036	F	4	Y	S	100	100	806	540	323	180	210	345	156	100	220	710	180	760	163	4	452	-	771
D100-230	043	F	4	U	S	110	100	756	547	336	180	210	345	156	112	220	717	180	767	189	4	452	-	733
D100-230	043	F	4	Y	S	110	100	765	547	336	180	210	345	156	112	220	717	180	767	189	4	452	-	742
F100-230	043	F	4	U	S	100	100	797	540	323	180	210	345	156	100	220	710	180	760	163	4	452	-	762
F100-230	043	F	4	Y	S	100	100	806	540	323	180	210	345	156	100	220	710	180	760	163	4	452	-	771
D100-230	045	C	4	U	S	110	100	776	547	336	180	210	345	156	112	220	717	180	767	189	4	452	492	-
D100-230	045	C	4	Y	S	110	100	785	547	336	180	210	345	156	112	220	717	180	767	189	4	452	492	-
F100-230	045	C	4	U	S	100	100	817	540	323	180	210	345	156	100	220	710	180	760	163	4	321	521	-
F100-230	045	C	4	Y	S	100	100	826	540	323	180	210	345	156	100	220	710	180	760	163	4	321	521	-
D100-230	065	F	4	U	S	110	100	776	547	336	180	210	345	156	112	220	717	180	767	189	4	431	-	753
D100-230	065	F	4	Y	S	110	100	785	547	336	180	210	345	156	112	220	717	180	767	189	4	431	-	762
F100-230	065	F	4	U	S	100	100	817	540	323	180	210	345	156	100	220	710	180	760	163	4	321	-	782
F100-230	065	F	4	Y	S	100	100	826	540	323	180	210	345	156	100	220	710	180	760	163	4	321	-	791
D100-230	070	F	4	U	S	110	100	776	547	336	180	210	345	156	112	220	717	180	767	189	4	481	-	753
D100-230	070	F	4	Y	S	110	100	785	547	336	180	210	345	156	112	220	717	180	767	189	4	481	-	762

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F100-230	070	F	4	U	S	100	100	817	540	323	180	210	345	156	100	220	710	180	760	163	4	481	-	782
F100-230	070	F	4	Y	S	100	100	826	540	323	180	210	345	156	100	220	710	180	760	163	4	481	-	791
D100-230	077	F	4	U	S	110	100	776	547	336	180	210	345	156	112	220	717	180	767	189	4	481	-	753
D100-230	077	F	4	Y	S	110	100	785	547	336	180	210	345	156	112	220	717	180	767	189	4	481	-	762
F100-230	077	F	4	U	S	100	100	817	540	323	180	210	345	156	100	220	710	180	760	163	4	481	-	782
F100-230	077	F	4	Y	S	100	100	826	540	323	180	210	345	156	100	220	710	180	760	163	4	481	-	791

Table 67: Foundation dimensions [in]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
D100-140	040	F	2	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-140	040	F	2	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-140	042	F	2	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-140	042	F	2	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-140	047	F	2	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-140	047	F	2	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-140	051	F	2	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-140	051	F	2	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-170	051	F	2	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-170	051	F	2	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-170	055	C	2	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-170	055	C	2	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-170	062	F	2	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-170	062	F	2	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-170	066	F	2	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16

Waste Water

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F100-180	045	C	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
F100-180	045	C	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
F100-180	065	F	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
F100-180	065	F	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-230	035	F	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-230	035	F	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
F100-230	035	F	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
F100-230	035	F	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
F100-230	036	F	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
F100-230	036	F	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-230	043	F	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-230	043	F	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
F100-230	043	F	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
F100-230	043	F	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-230	045	C	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-230	045	C	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
F100-230	045	C	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
F100-230	045	C	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-230	065	F	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-230	065	F	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
F100-230	065	F	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
F100-230	065	F	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-230	070	F	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-230	070	F	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
F100-230	070	F	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
F100-230	070	F	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-230	077	F	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
D100-230	077	F	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
F100-230	077	F	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16
F100-230	077	F	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8 1/4	8 3/8	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	16 9/16

Table 68: Foundation dimensions [mm]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
D100-140	040	F	2	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-140	040	F	2	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-140	042	F	2	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-140	042	F	2	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-140	047	F	2	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-140	047	F	2	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-140	051	F	2	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-140	051	F	2	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-170	051	F	2	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-170	051	F	2	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-170	055	C	2	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-170	055	C	2	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-170	062	F	2	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-170	062	F	2	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-170	066	F	2	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-170	066	F	2	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-170	068	F	2	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-170	068	F	2	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-170	071	F	2	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-170	071	F	2	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-170	084	F	2	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-170	084	F	2	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-180	015	C	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-180	015	C	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	015	C	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	015	C	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-180	017	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-180	017	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	017	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	017	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-180	018	C	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-180	018	C	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F100-180	018	C	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	018	C	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-180	023	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-180	023	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	023	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	023	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	030	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	030	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	035	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	035	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-180	036	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-180	036	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	036	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	036	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	043	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	043	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	045	C	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	045	C	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	065	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-180	065	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-230	035	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-230	035	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-230	035	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-230	035	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-230	036	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-230	036	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-230	043	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-230	043	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-230	043	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-230	043	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-230	045	C	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-230	045	C	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-230	045	C	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F100-230	045	C	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-230	065	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-230	065	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-230	065	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-230	065	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-230	070	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-230	070	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-230	070	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-230	070	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-230	077	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
D100-230	077	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-230	077	F	4	U	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420
F100-230	077	F	4	Y	S	100	300	200	200	220	150	150	40	210	213	210	20	18	125	650	650	420

Table 69: Dimensions for fastening [in], part 1

DN	GH	GW	GW1	GW2	GW3	GW4	GW5	GW6	GW7	GW8	GW9	GW10	SG	SG1	SG2	SG3	SG4
DN 100	-	6 1/2	1 15/16	3/16	13/16	1/2	9/16	1/2	2 3/8	3 15/16	3 1/8	3/8	2 3/8x1/8	1 15/16	3/16	13/16	1/2

Table 70: Dimensions for fastening [in], part 2

SG5	SG6	SG7	SG8	SG9	SG10	TG	TG1	TG2	TG3	TG4	TG5	TG6	TG7	TG8	TG9
9/16	1/2	2 3/8	3 15/16	3 1/8	3/8	2 3/8x1/8	2 3/4	2 3/16	1 15/16	1/2	1/2	3 1/4	3 3/8	3 1/8	3/8

Table 71: Dimensions for fastening [mm], part 1

DN	GH	GW	GW1	GW2	GW3	GW4	GW5	GW6	GW7	GW8	GW9	GW10	SG	SG1	SG2	SG3	SG4
DN 100	-	165	50	5	20	12	15	12	60	100	80	10	60,3x3,6	50	5	20	12

Table 72: Dimensions for fastening [mm], part 2

SG5	SG6	SG7	SG8	SG9	SG10	TG	TG1	TG2	TG3	TG4	TG5	TG6	TG7	TG8	TG9
15	12	60	100	80	10	60,3x3,6	70	55	50	12	12	82	86	80	10

Amarex DN 100, stationary installation, single guide rail arrangement

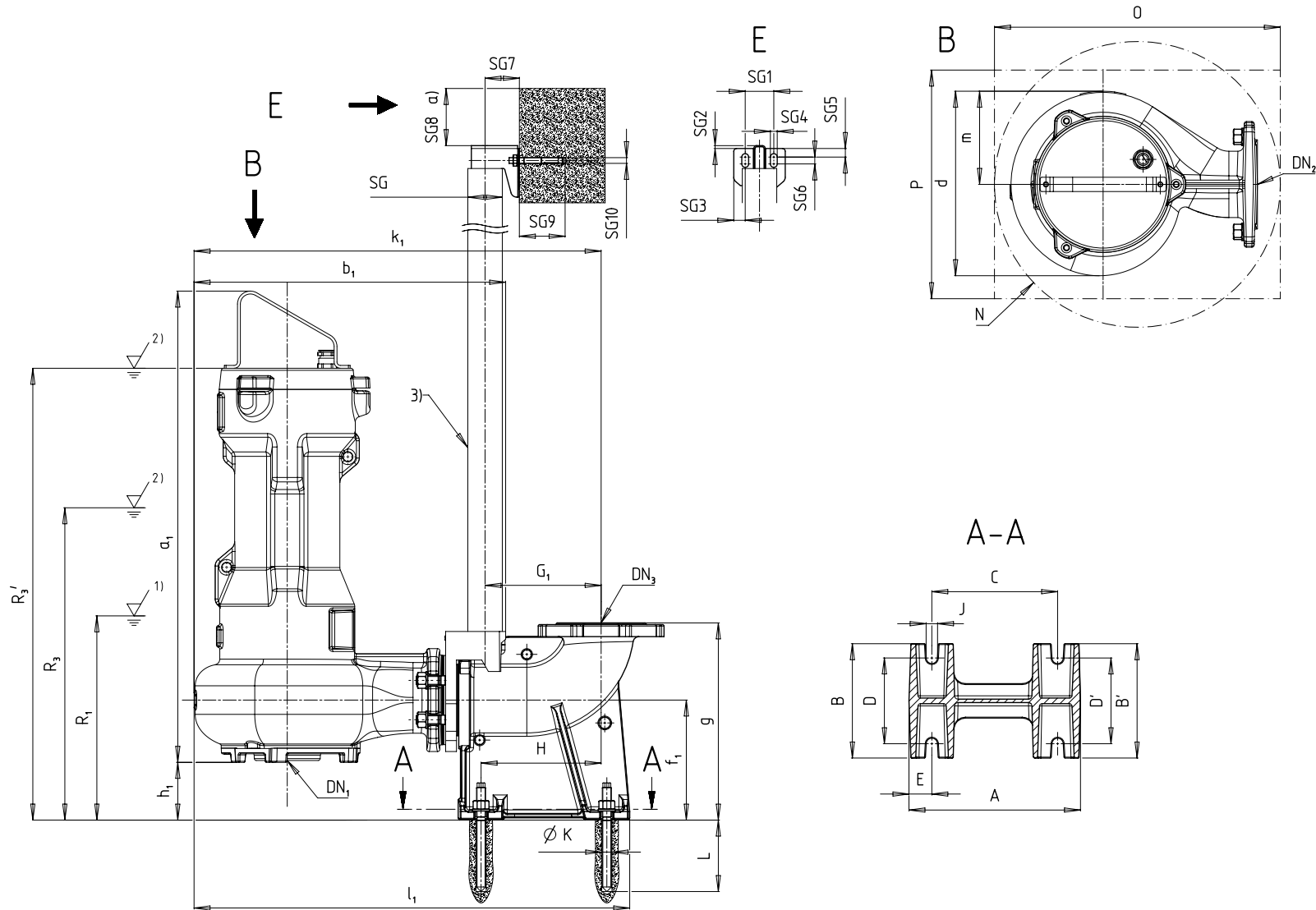


Fig. 10: Dimensions, Amarex DN 100, stationary installation, single guide rail arrangement

1)	Lowest stop level for automatic operation
2)	Minimum submergence for continuous duty
3)	Not included in KSB's scope of supply

Table 73: Pump set dimensions [in]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
D100-140	040	F	2	U	S	3 1/2	4	27 1/8	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	11 5/8	-	27
D100-140	040	F	2	Y	S	3 1/2	4	27 1/2	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	11 5/8	-	27 3/8
D100-180	015	C	4	U	S	4 1/3	4	27 1/8	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	11 5/8	15 9/16	-
D100-180	015	C	4	Y	S	4 1/3	4	27 1/2	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	11 5/8	15 9/16	-
F100-180	015	C	4	U	S	4	4	28 1/2	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	11 5/8	16 7/16	-
F100-180	015	C	4	Y	S	4	4	28 7/8	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	11 5/8	16 7/16	-
D100-180	017	F	4	U	S	4 1/3	4	27 1/8	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	11 5/8	-	27
D100-180	017	F	4	Y	S	4 1/3	4	27 1/2	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	11 5/8	-	27 3/8
F100-180	017	F	4	U	S	4	4	28 1/2	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	12 1/2	-	27 15/16
F100-180	017	F	4	Y	S	4	4	28 7/8	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	12 1/2	-	28 1/4
D100-180	023	F	4	U	S	4 1/3	4	27 1/8	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	12 1/2	-	27
D100-180	023	F	4	Y	S	4 1/3	4	27 1/2	21 3/16	12 3/4	7 1/16	8 1/4	13 9/16	6 1/8	4 7/16	8 11/16	27 7/8	7 1/16	29 13/16	7 5/16	3/16	12 1/2	-	27 3/8
F100-180	023	F	4	U	S	4	4	28 1/2	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	12 1/2	-	27 15/16
F100-180	023	F	4	Y	S	4	4	28 7/8	21 1/4	12 11/16	7 1/16	8 1/4	13 9/16	6 1/8	3 15/16	8 11/16	27 15/16	7 1/16	29 15/16	6 7/16	3/16	12 1/2	-	28 1/4

Table 74: Pump set dimensions [mm]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
D100-140	040	F	2	U	S	90	100	689	538	324	180	210	345	156	112	220	708	180	758	185	4	295	-	686
D100-140	040	F	2	Y	S	90	100	698	538	324	180	210	345	156	112	220	708	180	758	185	4	295	-	695
D100-180	015	C	4	U	S	110	100	689	538	324	180	210	345	156	112	220	708	180	758	185	4	295	395	-
D100-180	015	C	4	Y	S	110	100	698	538	324	180	210	345	156	112	220	708	180	758	185	4	295	395	-
F100-180	015	C	4	U	S	100	100	724	540	323	180	210	345	156	100	220	710	180	760	163	4	295	418	-
F100-180	015	C	4	Y	S	100	100	733	540	323	180	210	345	156	100	220	710	180	760	163	4	295	418	-
D100-180	017	F	4	U	S	110	100	689	538	324	180	210	345	156	112	220	708	180	758	185	4	295	-	686
D100-180	017	F	4	Y	S	110	100	698	538	324	180	210	345	156	112	220	708	180	758	185	4	295	-	695
F100-180	017	F	4	U	S	100	100	724	540	323	180	210	345	156	100	220	710	180	760	163	4	318	-	709
F100-180	017	F	4	Y	S	100	100	733	540	323	180	210	345	156	100	220	710	180	760	163	4	318	-	718
D100-180	023	F	4	U	S	110	100	689	538	324	180	210	345	156	112	220	708	180	758	185	4	318	-	686
D100-180	023	F	4	Y	S	110	100	698	538	324	180	210	345	156	112	220	708	180	758	185	4	318	-	695
F100-180	023	F	4	U	S	100	100	724	540	323	180	210	345	156	100	220	710	180	760	163	4	318	-	709
F100-180	023	F	4	Y	S	100	100	733	540	323	180	210	345	156	100	220	710	180	760	163	4	318	-	718

Table 75: Foundation dimensions [in]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
D100-140	040	F	2	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8	-	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	21 3/16
D100-140	040	F	2	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8	-	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	21 3/16
D100-180	015	C	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8	-	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	21 3/16
D100-180	015	C	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8	-	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	21 3/16
F100-180	015	C	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8	-	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	21 1/4

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F100-180	015	C	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8	-	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	21 1/4
D100-180	017	F	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8	-	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	21 3/16
D100-180	017	F	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8	-	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	21 3/16
F100-180	017	F	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8	-	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	21 1/4
F100-180	017	F	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8	-	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	21 1/4
D100-180	023	F	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8	-	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	21 3/16
D100-180	023	F	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8	-	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	21 3/16
F100-180	023	F	4	U	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8	-	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	21 1/4
F100-180	023	F	4	Y	S	4	11 13/16	7 7/8	7 7/8	8 11/16	5 7/8	5 7/8	1 9/16	8	-	8 1/4	13/16	11/16	4 15/16	25 9/16	25 9/16	21 1/4

Table 76: Foundation dimensions [mm]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
D100-140	040	F	2	U	S	100	300	200	200	220	150	150	40	203	-	210	20	18	125	650	650	420
D100-140	040	F	2	Y	S	100	300	200	200	220	150	150	40	203	-	210	20	18	125	650	650	420
D100-180	015	C	4	U	S	100	300	200	200	220	150	150	40	203	-	210	20	18	125	650	650	420
D100-180	015	C	4	Y	S	100	300	200	200	220	150	150	40	203	-	210	20	18	125	650	650	420
F100-180	015	C	4	U	S	100	300	200	200	220	150	150	40	203	-	210	20	18	125	650	650	420
F100-180	015	C	4	Y	S	100	300	200	200	220	150	150	40	203	-	210	20	18	125	650	650	420
D100-180	017	F	4	U	S	100	300	200	200	220	150	150	40	203	-	210	20	18	125	650	650	420
D100-180	017	F	4	Y	S	100	300	200	200	220	150	150	40	203	-	210	20	18	125	650	650	420
F100-180	017	F	4	U	S	100	300	200	200	220	150	150	40	203	-	210	20	18	125	650	650	420
F100-180	017	F	4	Y	S	100	300	200	200	220	150	150	40	203	-	210	20	18	125	650	650	420
D100-180	023	F	4	U	S	100	300	200	200	220	150	150	40	203	-	210	20	18	125	650	650	420

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
D100-180	023	F	4	Y	S	100	300	200	200	220	150	150	40	203	-	210	20	18	125	650	650	420
F100-180	023	F	4	U	S	100	300	200	200	220	150	150	40	203	-	210	20	18	125	650	650	420
F100-180	023	F	4	Y	S	100	300	200	200	220	150	150	40	203	-	210	20	18	125	650	650	420

Table 77: Dimensions for fastening [in], part 1

DN	GH	GW	GW1	GW2	GW3	GW4	GW5	GW6	GW7	GW8	GW9	GW10	SG	SG1	SG2	SG3	SG4
DN 100	-	6 1/2	1 15/16	3/16	13/16	1/2	9/16	1/2	2 3/8	3 15/16	3 1/8	3/8	2 3/8x1/8	1 15/16	3/16	13/16	1/2

Table 78: Dimensions for fastening [in], part 2

SG5	SG6	SG7	SG8	SG9	SG10	TG	TG1	TG2	TG3	TG4	TG5	TG6	TG7	TG8	TG9
9/16	1/2	2 3/8	3 15/16	3 1/8	3/8	2 3/8x1/8	2 3/4	2 3/16	1 15/16	1/2	1/2	3 1/4	3 3/8	3 1/8	3/8

Table 79: Dimensions for fastening [mm], part 1

DN	GH	GW	GW1	GW2	GW3	GW4	GW5	GW6	GW7	GW8	GW9	GW10	SG	SG1	SG2	SG3	SG4
DN 100	-	165	50	5	20	12	15	12	60	100	80	10	60,3x3,6	50	5	20	12

Table 80: Dimensions for fastening [mm], part 2

SG5	SG6	SG7	SG8	SG9	SG10	TG	TG1	TG2	TG3	TG4	TG5	TG6	TG7	TG8	TG9
15	12	60	100	80	10	60,3x3,6	70	55	50	12	12	82	86	80	10

Amarex DN 150, stationary installation, guide cable arrangement, twin guide rail arrangement

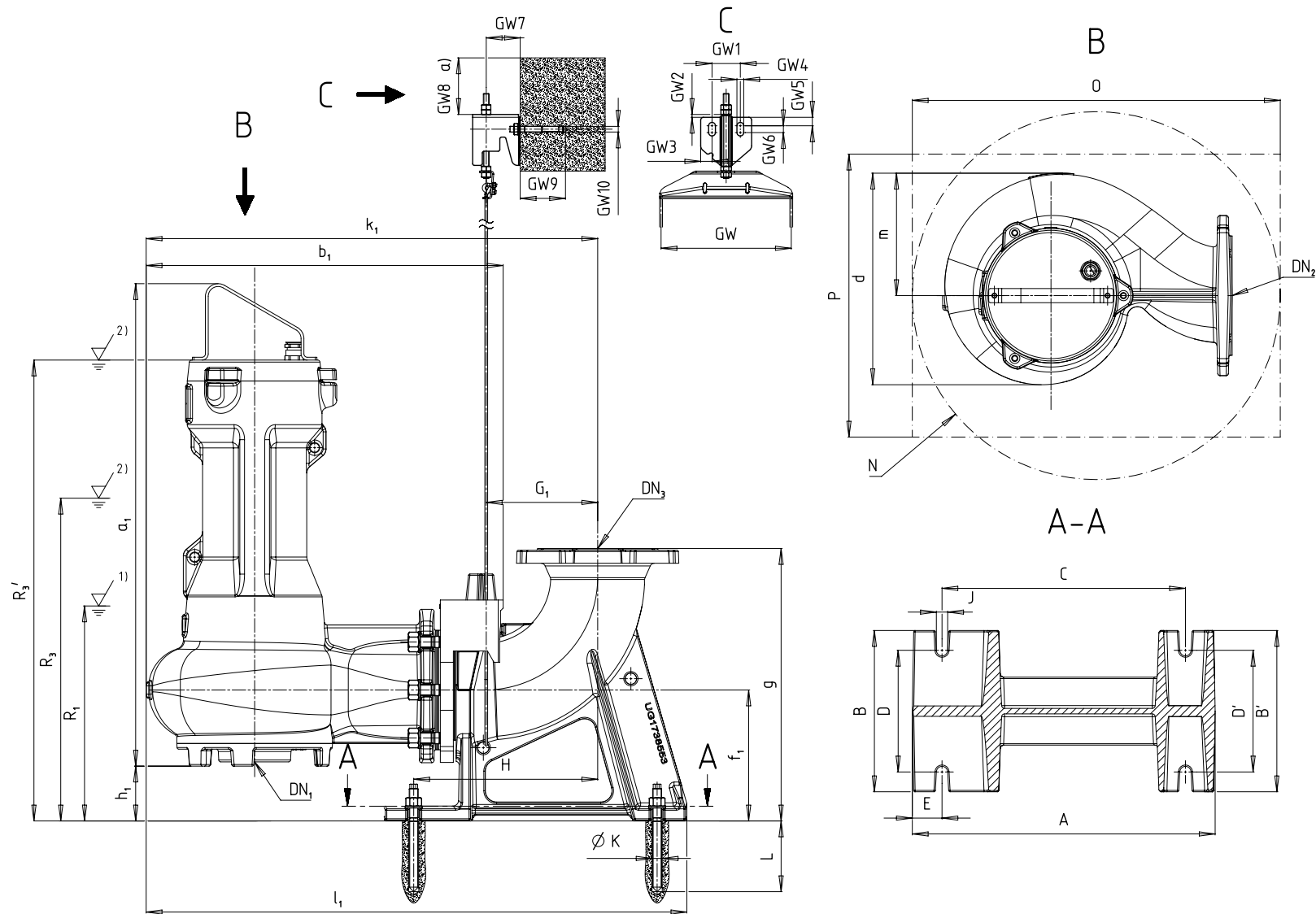


Fig. 11: Dimensions, Amarex DN 150, stationary installation, guide cable arrangement

1)	Lowest stop level for automatic operation
2)	Minimum submergence for continuous duty
3)	Not included in KSB's scope of supply

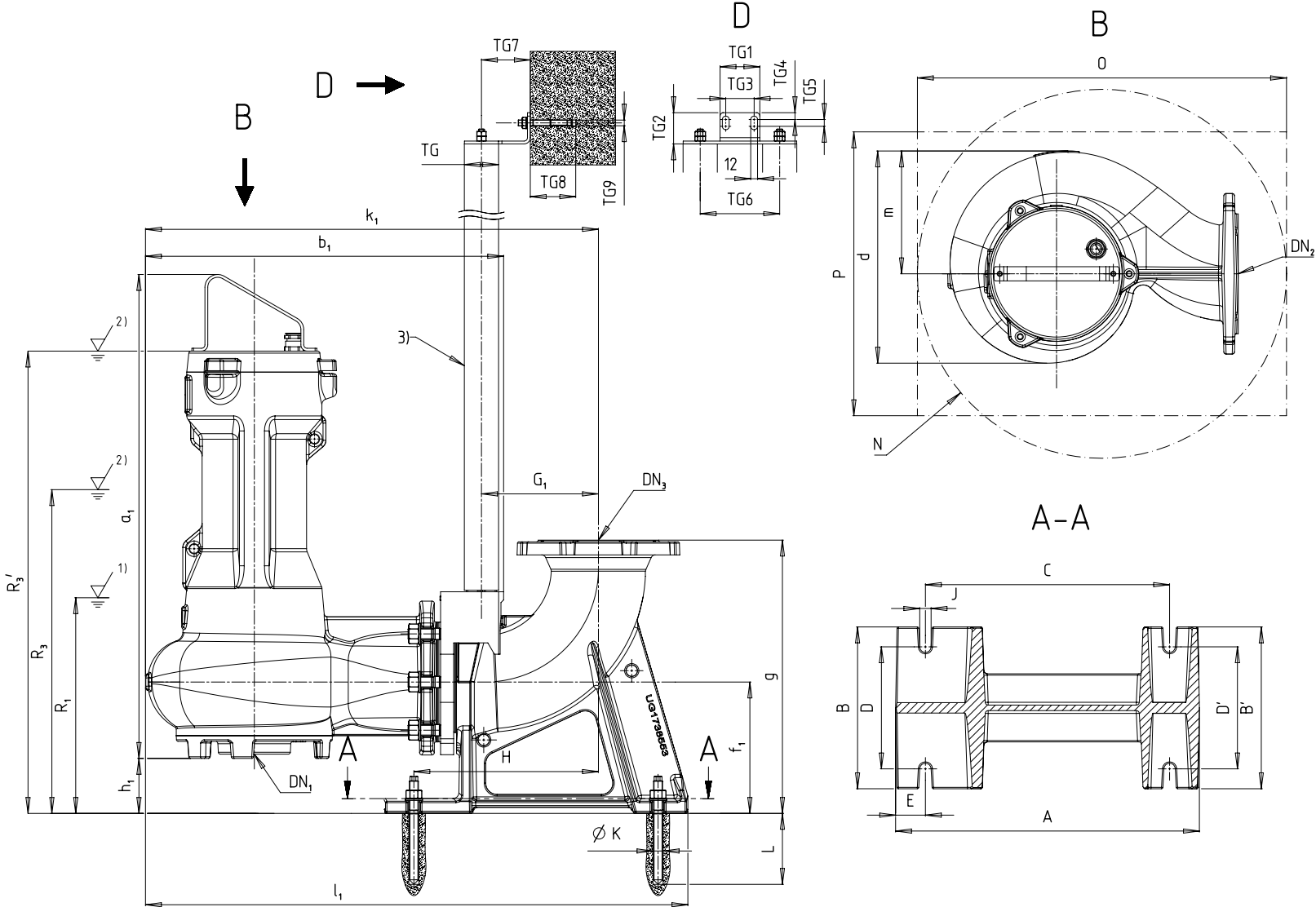


Fig. 12: Amarex 150, stationary installation, twin guide rail arrangement

1)	Lowest stop level for automatic operation
2)	Minimum submergence for continuous duty
3)	Not included in KSB's scope of supply

Table 81: Pump set dimensions [in]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F150-180	045	C	4	U	S	6	6	33 1/4	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 13/16	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	21 7/16	-
F150-180	045	C	4	Y	S	6	6	33 9/16	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 13/16	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	21 7/16	-
F150-180	065	F	4	U	S	6	6	33 1/4	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 13/16	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	-	31 3/4
F150-180	065	F	4	Y	S	6	6	33 9/16	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 13/16	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	-	32 1/16
F150-180	070	F	4	U	S	6	6	33 9/16	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 13/16	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	-	31 3/4
F150-180	070	F	4	Y	S	6	6	33 9/16	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 13/16	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	-	32 1/16
F150-180	077	F	4	U	S	6	6	33 1/4	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 13/16	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	-	31 3/4
F150-180	077	F	4	Y	S	6	6	33 9/16	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 13/16	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	-	32 1/16
D150-230	045	C	4	U	S	6	6	33 5/16	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 3/4	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	21 7/16	-
D150-230	045	C	4	Y	S	6	6	33 11/16	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 3/4	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	21 7/16	-
F150-230	065	F	4	U	S	6	6	33 1/4	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 13/16	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	-	31 3/4
F150-230	065	F	4	Y	S	6	6	33 9/16	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 13/16	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	-	32 1/16
D150-230	065	F	4	U	S	6	6	33 5/16	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 3/4	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	-	31 3/4
D150-230	065	F	4	Y	S	6	6	33 11/16	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 3/4	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	-	32 1/16
F150-230	070	F	4	U	S	6	6	33 1/4	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 13/16	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	-	31 3/4
F150-230	070	F	4	Y	S	6	6	33 9/16	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 13/16	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	-	32 1/16
D150-230	070	F	4	U	S	6	6	33 5/16	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 3/4	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	-	31 3/4
D150-230	070	F	4	Y	S	6	6	33 11/16	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 3/4	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	-	32 1/16
F150-230	077	F	4	U	S	6	6	33 1/4	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 13/16	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	-	31 3/4
F150-230	077	F	4	Y	S	6	6	33 9/16	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 13/16	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	-	32 1/16
D150-230	077	F	4	U	S	6	6	33 5/16	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 3/4	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	-	31 3/4
D150-230	077	F	4	Y	S	6	6	33 11/16	24 13/16	14 3/4	10 11/16	9 1/8	18 15/16	8 5/16	3 3/4	11 1/4	31 5/16	9 7/16	37 1/2	8 1/2	1/4	19 7/8	-	32 1/16

Table 82: Pump set dimensions [mm]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₁	DN ₂	a ₁	b ₁	d	D _f	f ₁	g	g _f	h ₁	H _f	k ₁	k _f	l ₁	m	Z _f	R1	R3	R3'
F150-180	045	C	4	U	S	150	150	844	630	374	271	232	481	211	97	285	796	240	953	216	6	505	545	-
F150-180	045	C	4	Y	S	150	150	853	630	374	271	232	481	211	97	285	796	240	953	216	6	505	545	-
F150-180	065	F	4	U	S	150	150	844	630	374	271	232	481	211	97	285	796	240	953	216	6	505	-	806
F150-180	065	F	4	Y	S	150	150	853	630	374	271	232	481	211	97	285	796	240	953	216	6	505	-	815
F150-180	070	F	4	U	S	150	150	844	630	374	271	232	481	211	97	285	796	240	953	216	6	505	-	806
F150-180	070	F	4	Y	S	150	150	853	630	374	271	232	481	211	97	285	796	240	953	216	6	505	-	815
F150-180	077	F	4	U	S	150	150	844	630	374	271	232	481	211	97	285	796	240	953	216	6	505	-	806
F150-180	077	F	4	Y	S	150	150	853	630	374	271	232	481	211	97	285	796	240	953	216	6	505	-	815
D150-230	045	C	4	U	S	150	150	846	630	374	271	232	481	211	95	285	796	240	953	216	6	505	545	-
D150-230	045	C	4	Y	S	150	150	855	630	374	271	232	481	211	95	285	796	240	953	216	6	505	545	-
F150-230	065	F	4	U	S	150	150	844	630	374	271	232	481	211	97	285	796	240	953	216	6	505	-	806
F150-230	065	F	4	Y	S	150	150	853	630	374	271	232	481	211	97	285	796	240	953	216	6	505	-	815
D150-230	065	F	4	U	S	150	150	846	630	374	271	232	481	211	95	285	796	240	953	216	6	505	-	806
D150-230	065	F	4	Y	S	150	150	855	630	374	271	232	481	211	95	285	796	240	953	216	6	505	-	815
F150-230	070	F	4	U	S	150	150	844	630	374	271	232	481	211	97	285	796	240	953	216	6	505	-	806
F150-230	070	F	4	Y	S	150	150	853	630	374	271	232	481	211	97	285	796	240	953	216	6	505	-	815
D150-230	070	F	4	U	S	150	150	846	630	374	271	232	481	211	95	285	796	240	953	216	6	505	-	806
D150-230	070	F	4	Y	S	150	150	855	630	374	271	232	481	211	95	285	796	240	953	216	6	505	-	815
F150-230	077	F	4	U	S	150	150	844	630	374	271	232	481	211	97	285	796	240	953	216	6	505	-	806
F150-230	077	F	4	Y	S	150	150	853	630	374	271	232	481	211	97	285	796	240	953	216	6	505	-	815
D150-230	077	F	4	U	S	150	150	846	630	374	271	232	481	211	95	285	796	240	953	216	6	505	-	806
D150-230	077	F	4	Y	S	150	150	855	630	374	271	232	481	211	95	285	796	240	953	216	6	505	-	815

Table 83: Foundation dimensions [in]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F150-180	045	C	4	U	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
F150-180	045	C	4	Y	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
F150-180	065	F	4	U	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
F150-180	065	F	4	Y	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
F150-180	070	F	4	U	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
F150-180	070	F	4	Y	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
F150-180	077	F	4	U	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
F150-180	077	F	4	Y	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
D150-230	045	C	4	U	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
D150-230	045	C	4	Y	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
F150-230	065	F	4	U	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
F150-230	065	F	4	Y	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
D150-230	065	F	4	U	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
D150-230	065	F	4	Y	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
F150-230	070	F	4	U	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
F150-230	070	F	4	Y	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
D150-230	070	F	4	U	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
D150-230	070	F	4	Y	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
F150-230	077	F	4	U	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
F150-230	077	F	4	Y	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
D150-230	077	F	4	U	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16
D150-230	077	F	4	Y	S	6	21 1/16	11 1/4	11 1/4	16 15/16	8 7/16	8 7/16	2 1/16	8 1/8	-	12 13/16	13/16	11/16	4 15/16	28 3/4	28 3/4	19 11/16

Table 84: Foundation dimensions [mm]

Amarex	Motor rating	Efficiency class	Number of poles	Motor version	Motor construction type	DN ₃	A	B	B'	C	D	D'	E	G ₁	G ₂	H	J	ØK	L	N min.	O min.	P min.
F150-180	045	C	4	U	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
F150-180	045	C	4	Y	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
F150-180	065	F	4	U	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
F150-180	065	F	4	Y	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
F150-180	070	F	4	U	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
F150-180	070	F	4	Y	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
F150-180	077	F	4	U	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
F150-180	077	F	4	Y	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
D150-230	045	C	4	U	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
D150-230	045	C	4	Y	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
F150-230	065	F	4	U	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
F150-230	065	F	4	Y	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
D150-230	065	F	4	U	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
D150-230	065	F	4	Y	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
F150-230	070	F	4	U	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
F150-230	070	F	4	Y	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
D150-230	070	F	4	U	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
D150-230	070	F	4	Y	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
F150-230	077	F	4	U	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
F150-230	077	F	4	Y	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
D150-230	077	F	4	U	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500
D150-230	077	F	4	Y	S	150	535	285	285	430	215	215	53	206	-	325	20	18	125	730	730	500

Table 85: Dimensions for fastening [in], part 1

DN	GH	GW	GW1	GW2	GW3	GW4	GW5	GW6	GW7	GW8	GW9	GW10	SG	SG1	SG2	SG3	SG4
DN 150	-	9 1/16	1 15/16	3/16	13/16	1/2	9/16	1/2	2 3/8	3 15/16	3 1/8	3/8	-	-	-	-	-

Table 86: Dimensions for fastening [in], part 2

SG5	SG6	SG7	SG8	SG9	SG10	TG	TG1	TG2	TG3	TG4	TG5	TG6	TG7	TG8	TG9
-	-	-	-	-	-	2 3/8x1/8	2 3/4	2 3/16	1 15/16	1/2	1/2	5 1/2	3 3/8	3 1/8	3/8

Table 87: Dimensions for fastening [mm], part 1

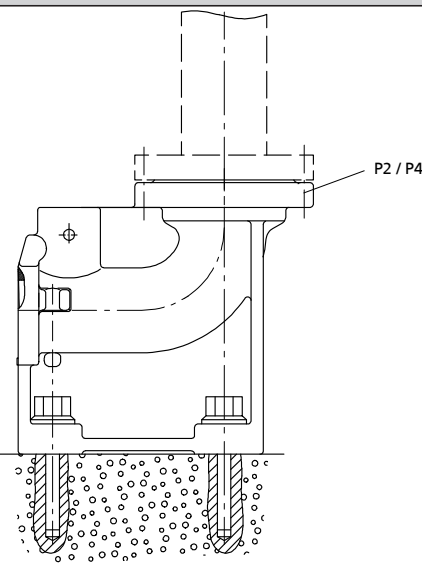
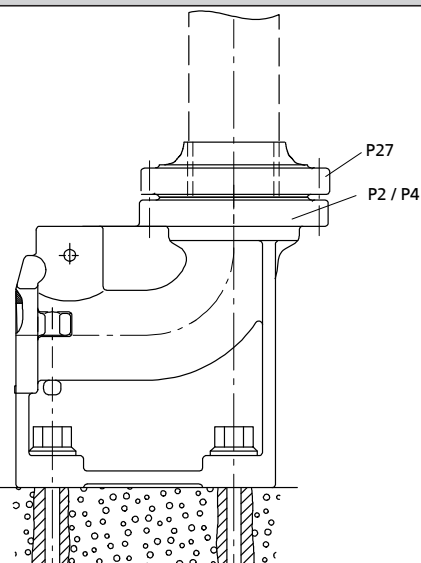
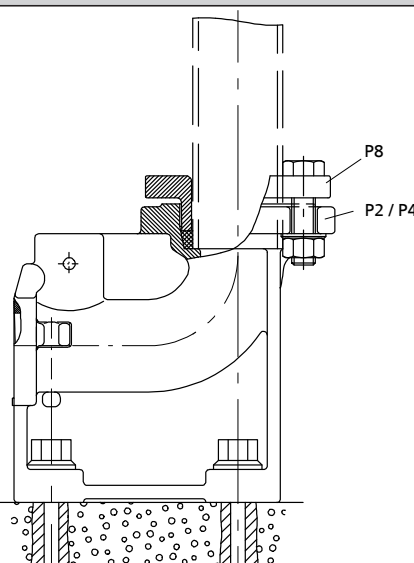
DN	GH	GW	GW1	GW2	GW3	GW4	GW5	GW6	GW7	GW8	GW9	GW10	SG	SG1	SG2	SG3	SG4
DN 150	-	230	50	5	20	12	15	12	60	100	80	10	-	-	-	-	-

Table 88: Dimensions for fastening [mm], part 2

SG5	SG6	SG7	SG8	SG9	SG10	TG	TG1	TG2	TG3	TG4	TG5	TG6	TG7	TG8	TG9
-	-	-	-	-	-	60,3x3,6	70	55	50	12	12	140	86	80	10

Connections

Table 89: Discharge line connections at the base elbow

Flanged connection (DN 50/DN 65)	Threaded connection in the flange (DN 50/DN 65)	Clamped connection (DN 50/DN 65)
		
	For standard pipes to DIN 2440 / DIN 2441 ▪ With outside diameter of 60.3 mm, steel for DN 50 ▪ With outside diameter of 63 mm, PVC (ISO 3606) for DN 50 ▪ With threaded flange DN 50 - G 2" ▪ With outside diameter of 76.1 mm, steel for DN 65 ▪ With outside diameter of 75 mm, PVC (ISO 3606) for DN 65 ▪ With threaded flange DN 65 - G 2 1/2"	For standard pipes to DIN 2440 / DIN 2441 / DIN 2448 ▪ With outside diameter of 60.3 mm, steel for DN 50 ▪ With outside diameter of 63 mm, PVC (ISO 3606) for DN 50 ▪ With outside diameter of 76.1 mm, steel for DN 65 ▪ With outside diameter of 75 mm, PVC (ISO 3606) for DN 65

Installation types

Table 90: Installation type S, stationary wet installation

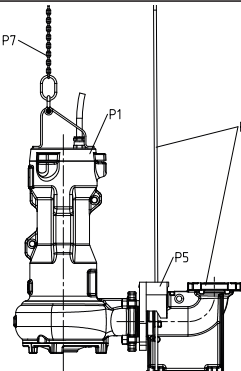
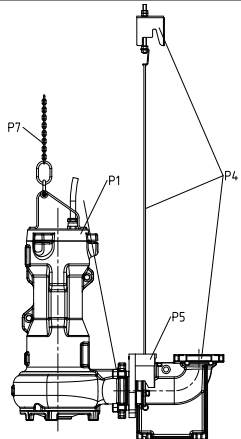
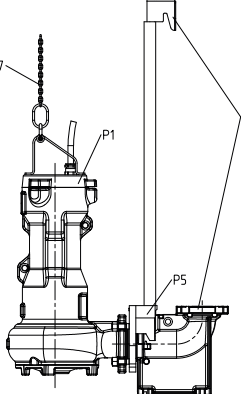
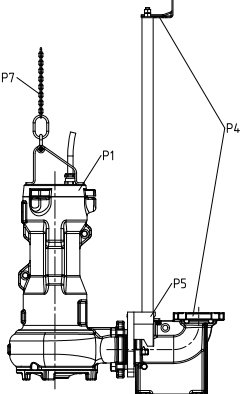
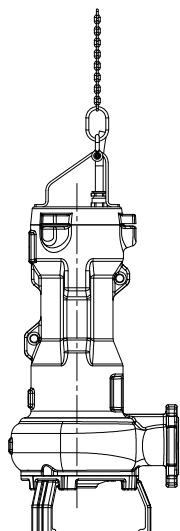
Installation type	Description	Comment
	Guide hoop arrangement P1: pump P2: installation parts for guide hoop arrangement, installation depth = 4.9 ft [1.5 m] / 5.9 ft [1.8 m] / 6.9 ft [2.1 m] P5: claw P7: chain and shackle	Only available for specific sizes, see selection configurator.
	Guide cable arrangement P1: pump P4: installation parts for guide cable arrangement, installation depth = 14.8 ft [4.5 m] / 31.2 ft [9.5 m] / 47.6 ft [14.5 m] P5: claw P7: chain and shackle	
	Single guide rail arrangement P1: pump P4: installation parts for single guide rail arrangement P5: claw P7: chain and shackle	Only available for specific sizes, see selection configurator.
	Twin guide rail arrangement P1: pump P4: installation parts for twin guide rail arrangement P5: claw and adapter P7: chain and shackle	Only available for specific sizes, see selection configurator.

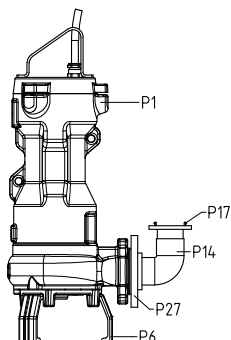
Table 91: Installation type P, transportable wet-installed model

Installation type	Description
	P1: pump P6: pump foot P7: chain and shackle

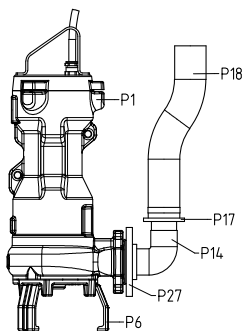
Installation information

Suggested installation layouts for transportable pump sets

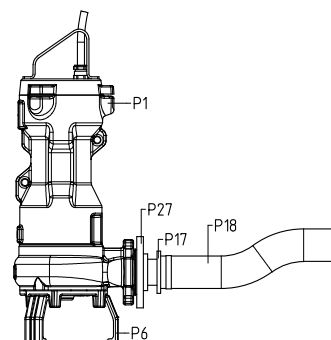
Size 50



Suggested installation layout 1
Vertical hose connection with elbow (P14) and Storz rigid coupling (P17) (quick connection)

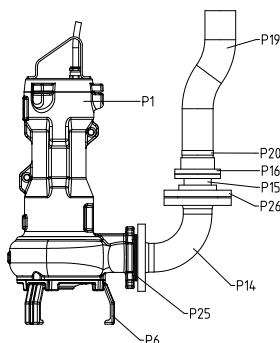


Suggested installation layout 2
Vertical hose connection with plastic hose (P18)

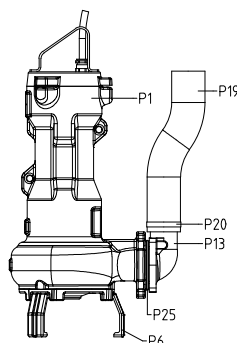


Suggested installation layout 3
Horizontal hose connection (quick connection) with plastic hose (P18)

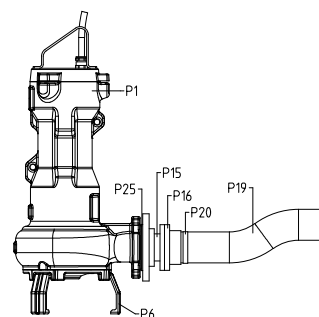
Sizes 65, 80, 100



Suggested installation layout 1
Vertical hose connection (quick connection) with plastic hose (P19) and hose clip (P20)



Suggested installation layout 2
Vertical hose connection with plastic hose (P19), hose clip (P20) and connection elbow (P13)



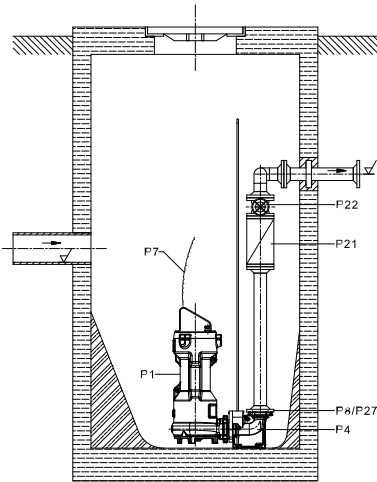
Suggested installation layout 3
Horizontal hose connection (quick connection) with plastic hose (P19), hose clip (P20), Storz hose coupling (P16), Storz rigid coupling (P15)

Suggested installation layouts for stationary pump sets

Sizes 50, 65, 80, 100

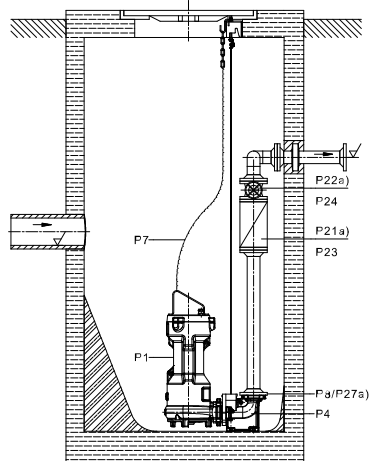
Guide hoop arrangement

Amarex F50-140/220, F65-150/170/230



Suggested installation layout 1
Single-pump station
Base elbow

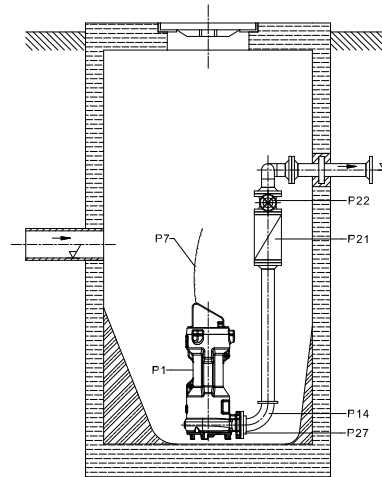
Guide cable, single guide rail or twin guide rail arrangement
Amarex 50, 65, 80, 100



Suggested installation layout 3
Either with guide cable, single guide rail or twin guide rail
arrangement
Single-pump station for 14.8 ft [4.5 m] installation depth
Base elbow

a)	DN 50 only
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Suspended installation
Amarex F50-140

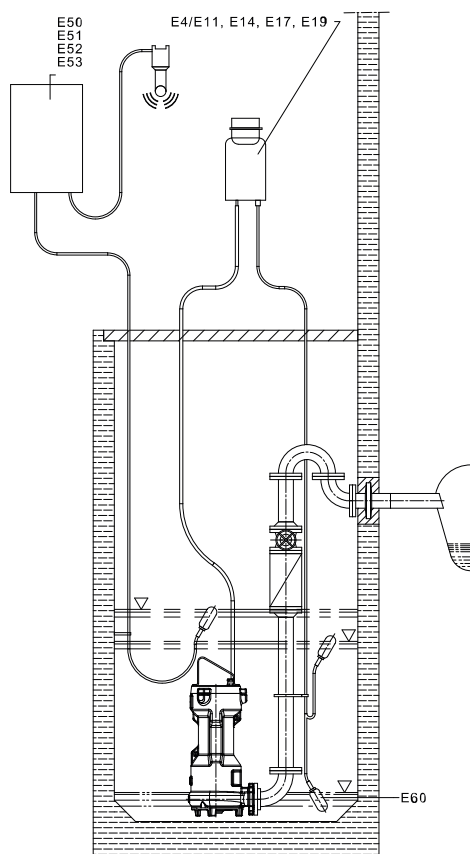


Suggested installation layout 2
Single-pump station for 4.9 ft [1.5 m] installation depth
Direct connection to discharge line (suspended installation)

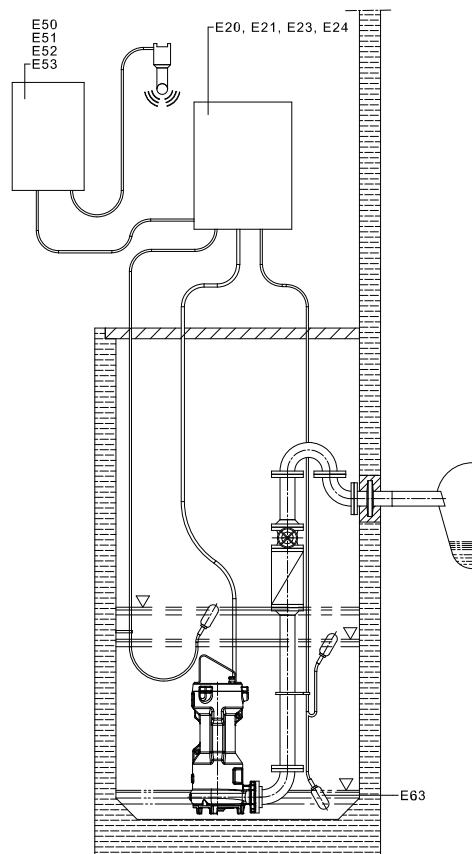
Suggested electrical installation layouts

Amarex is available in explosion-proof and non-explosionproof design.

CEE motor protection switch (up to 5.4 hp [4.0 kW])



Suggested installation layout 1
Without explosion protection



Suggested installation layout 2
Explosion-proof

Scope of supply

Stationary wet installation (installation type S)

- Pump set complete with power cable
- Claw with sealing elements and mounting elements
- Lifting rope / lifting chain²¹⁾
- Mounting bracket with mounting elements
- Base elbow with mounting elements
- Guiding equipment²²⁾

Transportable model for wet installation (installation type P)

- Pump set complete with power cable
- Feet (and foot plate, if applicable)
- Lifting rope / lifting chain²³⁾

²¹ Optional

²² The guide rails are not included in the scope of supply.

²³ Optional

Accessories
Installation parts for stationary pump sets
Table 92: Installation parts for stationary pump sets [ft], [lbs]

Item	Description	Size	Sealing element	Installation depth [ft]	Mat. No.	[lbs]
	P2 + P5 Guide hoop arrangement Installation parts for stationary wet installation Consisting of: DN 50 base elbow, stainless steel anchor bolts, guide hoop, claw with stainless steel screws/bolts	DN 50 DN 3: DIN ISO ASME Inclined claw	NBR 60	4,9	05045152	26,9
					19521154	3,3
			FKM 60	4,9	05045153	26,9
					19521154	3,3
			NBR 60	5,9	05045152	26,9
					19521155	5,5
			FKM 60	5,9	05045153	26,9
					19521155	5,5
			NBR 60	6,9	05045152	26,9
					19521156	8,8
			FKM 60	6,9	05045153	26,9
					19521156	8,8
	Guide hoop arrangement Installation parts for stationary wet installation Consisting of: DN 65 base elbow, stainless steel anchor bolts, guide hoop, claw with stainless steel screws/bolts	DN 65 DN 3: DIN ISO ASME	NBR 60	4,9	05045148	35,8
					19521154	3,3
			FKM 60	4,9	05045149	35,8
					19521154	3,3
			NBR 60	5,9	05045148	35,8
					19521155	5,5
			FKM 60	5,9	05045149	35,8
					19521155	5,5
			NBR 60	6,9	05045148	35,8
					19521156	8,8
			FKM 60	6,9	05045149	35,8
					19521156	8,8
	Guide hoop arrangement Installation parts for stationary wet installation Consisting of: DN 65/80 base elbow, stainless steel anchor bolts, guide hoop, claw with stainless steel screws/bolts	DN 65/80 DN 3: DIN ISO	NBR 60	4,9	05045160	40,4
					19521154	3,3
			FKM 60	4,9	05045161	40,4
					19521154	3,3
			NBR 60	5,9	05045160	40,4
					19521155	5,5
			FKM 60	5,9	05045161	40,4
					19521155	5,5
		DN 65/80 DN 3: ASME	NBR 60	6,9	05045160	40,4
					19521156	8,8
			FKM 60	6,9	05045161	40,4
					19521156	8,8
			NBR 60	4,9	05045156	40,6
					19521154	3,3
			FKM 60	4,9	05045157	40,6
					19521154	3,3
			NBR 60	5,9	05045156	40,6
					19521155	5,5
			FKM 60	5,9	05045157	40,6
					19521155	5,5
			NBR 60	6,9	05045156	40,6
					19521156	8,8
			FKM 60	6,9	05045157	40,6
					19521156	8,8

Item	Description	Size	Sealing element	Installation depth	Mat. No.	[lbs]
				[ft]		
	P4 + P5 Guide cable arrangement Installation parts for stationary wet installation Consisting of: flanged base elbow, stainless steel anchor bolts, suspension bracket, mounting bracket, 32.8 ft [10 m] guide cable, claw with stainless steel screws/bolts	DN 50	NBR 60	14,8	05044127	30,5
		DN 3: DIN ISO ASME	FKM 60	14,8	05044128	30,5
		DN 65	NBR 60	14,8	05044125	39,4
		DN 3: DIN ISO ASME	FKM 60	14,8	05044126	39,4
		DN 65/80	NBR 60	14,8	05044211	44
		DN 3: DIN ISO	FKM 60	14,8	05044212	44
		DN 65/80	NBR 60	14,8	05044129	44,2
		DN 3: ASME	FKM 60	14,8	05044210	44,2
		DN 80	NBR 60	14,8	05018552	64,9
		DN 3: DIN ISO	FKM 60	14,8	05018553	64,9
		DN 80	NBR 60	14,8	05028880	60,4
		DN 3: ASME	FKM 60	14,8	05028881	60,4
		DN 80/100	NBR 60	14,8	05018556	63,6
		DN 3: DIN ISO ASME	FKM 60	14,8	05018557	63,6
		DN 100	NBR 60	14,8	05018554	76,4
		DN 3: DIN ISO ASME	FKM 60	14,8	05018555	76,4
	P4 + P5 Single guide rail arrangement Installation parts for stationary wet installation Consisting of: flanged base elbow, stainless steel anchor bolts, mounting bracket, claw with stainless steel screws/bolts (guide rail not included in KSB's scope of supply)	DN 50	NBR 60	14,8	05045152	26,9
		DN 3: DIN ISO ASME			05017151	0,7
			FKM 60	14,8	05045153	26,9
					05017151	0,7
		DN 65	NBR 60	14,8	05045148	35,8
		DN 3: DIN ISO ASME			05017151	0,7
			FKM 60	14,8	05045149	35,8
					05017151	0,7
		DN 65/80	NBR 60	14,8	05045160	40,4
		DN 3: DIN ISO			05017151	0,7
			FKM 60	14,8	05045161	40,4
					05017151	0,7
		DN 65/80	NBR 60	14,8	05045156	40,6
		DN 3: ASME			05017151	0,7
			FKM 60	14,8	05045157	40,6
					05017151	0,7
		DN 80	NBR 60	14,8	05018726	61,5
		DN 3: DIN ISO			05017151	0,7
			FKM 60	14,8	05018727	61,5
					05017151	0,7
		DN 80	NBR 60	14,8	05028255	57,1
		DN 3: ASME			05017151	0,7
			FKM 60	14,8	05028256	57,1
					05017151	0,7
		DN 80/100	NBR 60	14,8	05018742	60,2
		DN 3: DIN ISO ASME			05017151	0,7
			FKM 60	14,8	05018743	60,2
					05017151	0,7
		DN 100	NBR 60	14,8	05018729	72,9
		DN 3: DIN ISO ASME			05017151	0,7
			FKM 60	14,8	05018740	72,9
					05017151	0,7

Item	Description	Size	Sealing element	Installation depth [ft]	Mat. No.	[lbs]
	P4 + P5 Twin guide rail arrangement Installation parts for stationary wet installation Consisting of: flanged base elbow, stainless steel anchor bolts, mounting bracket, adapter, claw with stainless steel screws/bolts (guide rails not included in KSB's scope of supply)	DN 50	NBR 60	-	05044215	29,4
		DN 3: DIN ISO ASME	FKM 60	-	05044216	29,4
		DN 65	NBR 60	-	05044213	38,0
		DN 3: DIN ISO ASME	FKM 60	-	05044214	38,0
		DN 65/80	NBR 60	-	05044219	42,6
		DN 3: DIN ISO	FKM 60	-	05044220	42,6
		DN 65/80	NBR 60	-	05044217	42,9
		DN 3: ASME	FKM 60	-	05044218	42,9
		DN 80	NBR 60	-	05018645	66,7
		DN 3: DIN ISO	FKM 60	-	05018646	66,7
		DN 80	NBR 60	-	05028447	62,2
		DN 3: ASME	FKM 60	-	05028448	62,2
		DN 80/100	NBR 60	-	05018649	65,4
		DN 3: DIN ISO ASME	FKM 60	-	05018650	65,4
		DN 100	NBR 60	-	05018647	78,1
		DN 3: DIN ISO ASME	FKM 60	-	05018648	78,1
	P5 Guide hoop arrangement, guide cable arrangement, single guide rail arrangement Claw for Amarex N EN-GJL-250 with stainless steel screws/bolts Single guide rail arrangement Claw for Amarex N EN-GJL-250 with stainless steel screws/bolts Twin guide rail arrangement Claw for Amarex N EN-GJL-250 with stainless steel screws/bolts Guide cable arrangement, twin guide rail arrangement Claw for Amarex N EN-GJL-250 with stainless steel screws/bolts	DN 50	NBR 60	-	05046255	10,7
			FKM 60	-	05046256	10,7
		DN 65	NBR 60	-	05046259	12,9
			FKM 60	-	05046270	12,9
		DN 80	NBR 60	-	05016790	14,5
			FKM 60	-	05016791	14,5
		DN 100	NBR 60	-	05016794	16,1
			FKM 60	-	05016795	16,1
		DN 50	NBR 60	-	05046257	10,9
			FKM 60	-	05046258	10,9
		DN 65	NBR 60	-	05046271	12,9
			FKM 60	-	05046272	12,9
		DN 80	NBR 60	-	05016792	15,2
			FKM 60	-	05016793	14,0
		DN 100	NBR 60	-	05016796	15,4
			FKM 60	-	05016797	15,6
		DN 150	NBR 60	-	05016798	30,6
			FKM 60	-	05016799	30,6

Table 93: Installation parts for stationary pump sets [m], [kg]

Item	Description	Size	Sealing elements	Installation depth [m]	Mat. No.	[kg]
	P2 + P5 Guide hoop arrangement Installation parts for stationary wet installation Consisting of: DN 50 base elbow, stainless steel anchor bolts, guide hoop, claw with stainless steel screws/bolts	DN 50	NBR 60	1,5	05045152	12,218
		DN 3: DIN ISO ASME			19521154	1,5
		Inclined claw	FKM 60	1,5	05045153	12,218
					19521154	1,5
			NBR 60	1,8	05045152	12,218
					19521155	2,5
			FKM 60	1,8	05045153	12,218
					19521155	2,5
			NBR 60	2,1	05045152	12,218
					19521156	4
			FKM 60	2,1	05045153	12,218
					19521156	4

Item	Description	Size	Sealing elements	Installation depth [m]	Mat. No.	[kg]
	P2 + P5 Guide hoop arrangement Installation parts for stationary wet installation Consisting of: DN 65 base elbow, stainless steel anchor bolts, guide hoop, claw with stainless steel screws/bolts	DN 65 DN 3: DIN ISO ASME	NBR 60	1,5	05045148	16,23
					19521154	1,5
			FKM 60	1,5	05045149	16,23
					19521154	1,5
			NBR 60	1,8	05045148	16,23
					19521155	2,5
			FKM 60	1,8	05045149	16,23
					19521155	2,5
			NBR 60	2,1	05045148	16,23
					19521156	4
			FKM 60	2,1	05045149	16,23
					19521156	4
		DN 65/80 DN 3: DIN ISO	NBR 60	1,5	05045160	18,33
					19521154	1,5
			FKM 60	1,5	05045161	18,33
					19521154	1,5
			NBR 60	1,8	05045160	18,33
					19521155	2,5
			FKM 60	1,8	05045161	18,33
					19521155	2,5
			NBR 60	2,1	05045160	18,33
					19521156	4
			FKM 60	2,1	05045161	18,33
					19521156	4
		DN 65/80 DN 3: ASME	NBR 60	1,5	05045156	18,43
					19521154	1,5
			FKM 60	1,5	05045157	18,43
					19521154	1,5
			NBR 60	1,8	05045156	18,43
					19521155	2,5
			FKM 60	1,8	05045157	18,43
					19521155	2,5
		DN 65/80 DN 3: ASME	NBR 60	2,1	05045156	18,43
					19521156	4
			FKM 60	2,1	05045157	18,43
					19521156	4

	P4 + P5 Guide cable arrangement Installation parts for stationary wet installation Consisting of: flanged base elbow, stainless steel anchor bolts, suspension bracket, mounting bracket, 10 m guide cable, claw with stainless steel screws/bolts	DN 50 DN 3: DIN ISO ASME	NBR 60	4,5	05044127	13,85
			FKM 60	4,5	05044128	13,85
		DN 65 DN 3: DIN ISO ASME	NBR 60	4,5	05044125	17,862
			FKM 60	4,5	05044126	17,862
		DN 65/80 DN 3: DIN ISO	NBR 60	4,5	05044211	19,962
			FKM 60	4,5	05044212	19,962
		DN 65/80 DN 3: ASME	NBR 60	4,5	05044129	20,062
			FKM 60	4,5	05044210	20,062
		DN 80 DN 3: DIN ISO	NBR 60	4,5	05018552	29,454
			FKM 60	4,5	05018553	29,454
		DN 80 DN 3: ASME	NBR 60	4,5	05028880	27,404
			FKM 60	4,5	05028881	27,404
		DN 80/100 DN 3: DIN ISO ASME	NBR 60	4,5	05018556	28,854
			FKM 60	4,5	05018557	28,854
		DN 100 DN 3: DIN ISO ASME	NBR 60	4,5	05018554	34,633
			FKM 60	4,5	05018555	34,633
		DN 150 DN 3: DIN ISO ASME	NBR 60	4,5	05018558	74,166
			FKM 60	4,5	05018559	74,166

Item	Description	Size	Sealing elements	Installation depth [m]	Mat. No.	[kg]
	P4 + P5 Single guide rail arrangement Installation parts for stationary wet installation Consisting of: flanged base elbow, stainless steel anchor bolts, mounting bracket, claw with stainless steel screws/bolts (guide rail not included in KSB's scope of supply)	DN 50	NBR 60	4,5	05045152	12,218
		DN 3: DIN ISO ASME	FKM 60	4,5	05017151	0,32
		DN 65	NBR 60	4,5	05045153	12,218
		DN 3: DIN ISO ASME	FKM 60	4,5	05017151	0,32
		DN 65/80	NBR 60	4,5	05045148	16,23
		DN 3: DIN ISO	FKM 60	4,5	05017151	0,32
		DN 65/80	NBR 60	4,5	05045149	16,23
		DN 3: ASME	FKM 60	4,5	05017151	0,32
		DN 80	NBR 60	4,5	05045160	18,33
		DN 3: DIN ISO	FKM 60	4,5	05017151	0,32
		DN 80	NBR 60	4,5	05045161	18,33
		DN 3: ASME	FKM 60	4,5	05017151	0,32
		DN 100	NBR 60	4,5	05045156	18,43
		DN 3: DIN ISO ASME	FKM 60	4,5	05017151	0,32
		DN 150	NBR 60	4,5	05045157	18,43
		DN 3: DIN ISO ASME	FKM 60	4,5	05017151	0,32
		DN 200	NBR 60	4,5	05018726	27,892
		DN 3: DIN ISO	FKM 60	4,5	05017151	0,32
		DN 250	NBR 60	4,5	05018727	27,892
		DN 3: ASME	FKM 60	4,5	05017151	0,32
		DN 300	NBR 60	4,5	05028255	25,892
		DN 3: ASME	FKM 60	4,5	05017151	0,32
		DN 350	NBR 60	4,5	05028256	25,892
		DN 3: ASME	FKM 60	4,5	05017151	0,32
	P4 + P5 Twin guide rail arrangement Installation parts for stationary wet installation Consisting of: flanged base elbow, stainless steel anchor bolts, mounting bracket, adapter, claw with stainless steel screws/bolts (guide rails not included in KSB's scope of supply)	DN 50	NBR 60	-	05044215	13,33
		DN 3: DIN ISO ASME	FKM 60	-	05044216	13,33
		DN 65	NBR 60	-	05044213	17,242
		DN 3: DIN ISO ASME	FKM 60	-	05044214	17,242
		DN 65/80	NBR 60	-	05044219	19,342
		DN 3: DIN ISO	FKM 60	-	05044220	19,342
		DN 65/80	NBR 60	-	05044217	19,442
		DN 3: ASME	FKM 60	-	05044218	19,442
		DN 80	NBR 60	-	05018645	30,244
		DN 3: DIN ISO	FKM 60	-	05018646	30,244
		DN 100	NBR 60	-	05028447	28,194
		DN 3: ASME	FKM 60	-	05028448	28,194
		DN 150	NBR 60	-	05018649	29,644
		DN 3: DIN ISO ASME	FKM 60	-	05018650	29,644
		DN 200	NBR 60	-	05018647	35,423
		DN 3: DIN ISO ASME	FKM 60	-	05018648	35,423
		DN 250	NBR 60	-	05016943	73,25
		DN 3: DIN ISO ASME	FKM 60	-	05016944	73,25
	P5 Guide hoop arrangement, guide cable arrangement, single guide rail arrangement Claw for Amarex N EN-GJL-250 with stainless steel screws/bolts	DN 50	NBR 60	-	05046255	4,842
		DN 65	FKM 60	-	05046256	4,842
		DN 100	NBR 60	-	05046259	5,854
		DN 3: DIN ISO ASME	FKM 60	-	05046270	5,854

Item	Description	Size	Sealing elements	Installation depth	Mat. No.	[kg]
				[m]		
	P5 Single guide rail arrangement Claw for Amarex N EN-GJL-250 with stainless steel screws/bolts	DN 80	NBR 60	-	05016790	6,572
			FKM 60	-	05016791	6,572
		DN 100	NBR 60	-	05016794	7,291
			FKM 60	-	05016795	7,291
	Twin guide rail arrangement Claw for Amarex N EN-GJL-250 with stainless steel screws/bolts	DN 50	NBR 60	-	05046257	4,942
			FKM 60	-	05046258	4,942
		DN 65	NBR 60	-	05046271	5,854
			FKM 60	-	05046272	5,854
	Guide cable arrangement, twin guide rail arrangement Claw for Amarex N EN-GJL-250 with stainless steel screws/bolts	DN 80	NBR 60	-	05016792	6,372
			FKM 60	-	05016793	6,372
		DN 100	NBR 60	-	05016796	7
			FKM 60	-	05016797	7,091
		DN 150	NBR 60	-	05016798	13,864
			FKM 60	-	05016799	13,864

Installation parts transportable pump sets

Table 94: Installation parts transportable pump sets [lbs]

Item	Description	Size	Mat. No.	[lbs]
	P6 3 pump feet	DN 50/65/80/100	05017148	0,16
	Footplate with bolts (only for uneven mounting surfaces and in combination with feet)	DN 50/65/80/100	05016969	2,21

Table 95: Installation parts transportable pump sets [kg]

Item	Description	Size	Mat. No.	[kg]
	P6 3 pump feet	DN 50/65/80/100	05017148	0,072
	Footplate with bolts (only for uneven mounting surfaces and in combination with feet)	DN 50/65/80/100	05016969	1,004

Chain for stationary and transportable pump sets

Table 96: Chain for stationary and transportable pump sets [ft], [lbs]

Item	Description	Amarex	Length	Mat. No.	[lbs]
			[ft]		
	P7 Chain (1.4404) short-linked, tested and duly labeled to Directive 2006/42/EC (Machinery Directive), hook (1.4301), shackle (1.4404), maximum load 200 kg	NG08-09 ²⁴⁾	9,8	05018486	1,7
		NG10-11 ²⁵⁾	9,8	05018487	2,1
		NG08-09 ²⁴⁾	16,4	05018488	0,5
		NG10-11 ²⁵⁾	16,4	05018489	5,4
		NG08-09 ²⁴⁾	32,8	05018510	9,7
		NG10-11 ²⁵⁾	32,8	05018511	10,0
		NG08-09 ²⁴⁾	49,2	05018512	14,6
		NG10-11 ²⁵⁾	49,2	05018513	14,9
	- Polypropylene lifting rope with shackle 1.4401 and hook 1.4571	NG08-09 ²⁴⁾	16,4	05018515	4,6
		NG10-11 ²⁵⁾	16,4	05018517	4,9

Table 97: Chain for stationary and transportable pump sets [m], [kg]

Item	Description	Amarex	Length	Mat. No.	[kg]
			[m]		
	P7 Chain (1.4404) short-linked, tested and duly labeled to Directive 2006/42/EC (Machinery Directive), hook (1.4301), shackle (1.4404), maximum load 200 kg	NG08-09 ²⁴⁾	3	05018486	0,793
		NG10-11 ²⁵⁾	3	05018487	0,943
		NG08-09 ²⁴⁾	5	05018488	2,295
		NG10-11 ²⁵⁾	5	05018489	2,445
		NG08-09 ²⁴⁾	10	05018510	4,4
		NG10-11 ²⁵⁾	10	05018511	4,55
		NG08-09 ²⁴⁾	15	05018512	6,605
		NG10-11 ²⁵⁾	15	05018513	6,755
	- Polypropylene lifting rope with shackle 1.4401 and hook 1.4571	NG08-09 ²⁴⁾	5	05018515	2,09
		NG10-11 ²⁵⁾	5	05018517	2,24

Pump accessories

Table 98: Accessories for stationary and transportable pump sets

Item	Description	Connection	Length	Amarex				Mat. No.	[kg]
			[m]	50	65	80	100		
	P8 Flange for pipe coupling PN 10, at the flanged elbow, mating dimensions to PN 16	DN 50 / R 2	-	X	-	-	-	19551111	1,2
		DN 65 / R 2 1/2	-	-	X	-	-	39020184	1,2
	P9 PVC adapter for hose connection, with 1 hose clip	R2	-	X	-	-	-	11191498	0,3
	P13 Connection elbow with flange/hose connection made of EN-GJL-250, gray cast iron PN 16, DIN 2501, including joint ring and hose clip; for DN 100 also with fixing bolts, to be used for flange connections item 25 / item 26 (not for DN 100).	DN 65/B 75	-	-	X	-	-	19135655	6
		DN 80/B 75	-	-	-	X	-	19131746	6,6
		DN 100/A 110	-	-	-	-	X	19139718	10
	P14 Angle with internal thread / external thread, galvanized gray cast iron (flange connection see P27 and P30)	R 2	-	X	-	-	-	00241966	0,3

²⁴ NG08-NG09: motors 18C2 to 29C2, 23F2 to 40F2, 09C4 to 15C4, 17F4 to 23F4

²⁵ NG10-NG11: motors 30C2 to 55C2, 51F2 to 84F2, 18C4 to 45C4, 36F4 to 77F4

Item	Description	Connection	Length [m]	Amarex				Mat. No.	[kg]
				50	65	80	100		
	P14 Connection elbow with flanges PN 16, DIN 2501 (to be used for flange connections item 25 or item 26), gray cast iron	DN 65/65	-	-	X	-	-	00265480	11
		DN 65/80	-	-	X	-	-	25198402	8
		DN 80/80	-	-	-	X	-	11150856	10
		DN 100/100	-	-	-	-	X	25145802	14,4
	P15 Storz rigid coupling	DN 65 / B 75	-	-	X	-	-	18040148	3,5
		DN 80/B 75	-	-	-	X	-	18072642	3,5
		DN 100/A 110	-	-	-	-	X	18060162	5
	P16 Storz hose coupling 2 hose clips, item 20, are required for hose mounting (for plastic hoses B 75 and A 110, item 19)	C 52 (DIN 14321)	-	X	-	-	-	00524551	0,3
		B 75 (DIN 14322)	-	-	X	X	-	00520454	0,7
		A 110 (DIN 14323)	-	-	-	-	X	00522313	1,5
	P17 Storz rigid coupling	C 52 / G 2	-	X	-	-	-	00524370	0,2
		B 75 / G 2 1/2	-	-	X	-	-	00524371	0,4
	P18 Plastic hose DN 50, DIN 14811, with integrated C couplings	C 52-5 m	-	X	-	-	-	00522262	2,3
		C 52-10 m	-	X	-	-	-	00522263	4,2
		C 52-20 m	-	X	-	-	-	00522264	5,7
	P19 Plastic hose, without coupling, DIN 14811 63	-	5	X	-	-	-	39018688	1,7
		-	10	X	-	-	-	39018689	3,4
		-	20	X	-	-	-	39018690	6,8
	Plastic hose without coupling, DIN 14 811 B 75	-	5	-	X	X	-	39019064	2
		-	20	-	X	X	-	39019066	8
		-	30	-	X	X	-	39019071	12
	Plastic hose without coupling, DIN 14 811 80	-	5	-	-	X	-	39018691	2,2
		-	10	-	-	X	-	39019062	4,3
	Plastic hose without coupling, DIN 14 811 A 110	-	5	-	-	-	X	39019067	4,7
		-	10	-	-	-	X	39019068	9,3
		-	30	-	-	-	X	39019070	27,9
	P20 Hose clip DIN 3017, chrome steel	B 50 ²⁶⁾	-	X	-	-	-	39000515	0,025
		B 75	-	-	X	X	-	00109515	0,04
		AL 110 - 120 B ²⁷⁾	-	-	-	-	X	00520853	0,1
	P21 RK swing check valve Plastic, EN 12050-4, with internal thread ISO 7/1, full port and drain plug; cannot be used for pumped drainage	Rp 2	-	X	-	-	-	01009773	0,5
	P22 Socket gate valve, CuZn, PN 10-12 DIN 3352	Rp 2	-	X	-	-	-	00411503	1,287
		Rp 2 1/2	-	-	X	-	-	39000507	1,7
	P23 Check valve, gray cast iron, full bore, lifting device, flanges drilled to DIN 2501, PN 16	DN 65	-	-	X	-	-	48829253	13,74
		DN 80	-	-	-	X	-	48829254	16,5
		DN 100	-	-	-	-	X	48829255	20,9
	P24 ECOLINE GTR-16P gate valve, gray cast iron, PN 16, flanges drilled to ISO 7005/DIN 2501	DN 65	-	-	X	-	-	49709579	15
		DN 80	-	-	-	X	-	49709580	22
		DN 100	-	-	-	-	X	49709581	26,5
	P25 Set of installation accessories for a flange connection, discharge nozzle; items 13, 14 or 15 Consisting of: 4 hexagon head bolts with nuts and 1 sealing element	-	-	X	-	-	-	39021944	0,8
		-	-	-	X	-	-	19551115	0,8
		-	-	-	-	X	-	19551100	0,8
		-	-	-	-	-	X	19551113	0,8
	P26 Set of installation accessories for a flange connection Consisting of: 8 hexagon head bolts with nuts and 1 sealing element	-	-	-	-	X	-	19551114	0,8
		-	-	-	-	-	X	19551116	0,8

²⁶ For plastic hose Ø 63 item 19

²⁷ 2 pieces required

Item	Description	Connection	Length [m]	Amarex				Mat. No.	[kg]
				50	65	80	100		
	P27 Threaded flange for guide hoop arrangement (P2) and guide cable arrangement (P4) Consisting of: flange, 4 hexagon head bolts with nuts and washers and 1 sealing element	DN 50 / Rp 2	-	X	-	-	-	19551353	2
		DN 65 / Rp 2 1/2	-	-	X	-	-	39021943	2,9
	P28 Hand pump, wall mounting, gray cast iron, suction-side connection Rp 1 1/2	-	-	X	X	X	X	00520485	12
	P30 Adapter with reduced external thread M4 EN 1042K	2 x Rp 1 1/4	-	-	-	-	-	01135663	0,4

Control units, non-ATEX compliant
Table 99: Control units for Amarex, non-ATEX-compliant (valid for all countries except France.)

Item		Description	I _N	I _N	Type	Mat. No.	[kg]
			Min.	Max.			
			[A]	[A]			
	E4	Multi-functional plug, type Hyper, with motor protection relay CEE plug	2,6	3,7	Hyper 37.1	19071492	1
			3,7	5,5	Hyper 55.1	19071493	1
			5,5	8,0	Hyper 80.1	19071494	1
			8,0	11,5	Hyper 115.1	19071495	
LevelControl Basic 2 control unit for single-pump station, IP54							
	E11	For float switch or 4 - 20 mA sensor, optional master switch, 400 x 281 x 135 mm	2,5	4,0	BC1 400 DFNO 040	19073763	4,5
			4,0	6,3	BC1 400 DFNO 063	19073764	4,5
			6,3	10,0	BC1 400 DFNO 100	19073765	4,5
	E14	Pneumatic, optional master switch, 400 x 281 x 135 mm	2,5	4,0	BC1 400 DPNO 040	19073768	4,5
			4,0	6,3	BC1 400 DPNO 063	19073769	4,5
			6,3	10,0	BC1 400 DPNO 100	19073770	4,5
	E17	Bubbler control with master switch, 400 x 300 x 155 mm	2,5	4,0	BS1 400 DLNO 040	19073818	12
			4,0	6,3	BS1 400 DLNO 063	19073819	12
			6,3	10,0	BS1 400 DLNO 100	19073820	12
	E19	Bubbler control in BC version Only to be used for connections with a neutral conductor. Optional component O1 (master switch) not possible. 400 x 281 x 135 mm	2,5	4,0	BC1 400 DLNO 040	19075148	4,5
			4,0	6,3	BC1 400 DLNO 063	19075149	4,5
			6,3	10,0	BC1 400 DLNO 100	19075150	4,5
LevelControl Basic 2 control unit for dual-pump station, IP54							
	E31	For float switch or 4 - 20 mA sensor, optional master switch, 400 x 281 x 135 mm	2,5	4,0	BC2 400 DFNO 040	19073777	4,7
			4,0	6,3	BC2 400 DFNO 063	19073778	4,7
			6,3	10,0	BC2 400 DFNO 100	19073779	4,7
	E34	Pneumatic, optional master switch, 400 x 281 x 135 mm	2,5	4,0	BC2 400 DPNO 040	19073782	4,7
			4,0	6,3	BC2 400 DPNO 063	19073783	4,7
			6,3	10,0	BC2 400 DPNO 100	19073784	4,7
	E37	Bubbler control with master switch, 400 x 300 x 155 mm	2,5	4,0	BS2 400 DLNO 040	19073860	13
			4,0	6,3	BS2 400 DLNO 063	19073861	13
			6,3	10,0	BS2 400 DLNO 100	19073862	13
	E39	Bubbler control in BC version Only to be used for connections with a neutral conductor. Optional component O1 (master switch) not possible. 400 x 281 x 135 mm	2,5	4,0	BC2 400 DLNO 040	19075151	4,7
			4,0	6,3	BC2 400 DLNO 063	19075152	4,7
			6,3	10,0	BC2 400 DLNO 100	19075153	4,7
LevelControl Basic 2 optional components (processed via KSB EasySelect) ²⁸⁾							
	O1	Master switch for LevelControl Basic 2 BC, fitted	-	-	-	01143084	0,2
	O2	Control cabinet heater for type BS, fitted with 20 W thermostat	-	-	-	19074269	0,3

²⁸⁾ Optional components must be processed via KSB EasySelect, otherwise they will be supplied but not fitted.

Item	Description	I _N Min. [A]	I _N Max. [A]	Type	Mat. No.	[kg]
	O10 Outdoor cabinet type 142 with base, for type BC IP44, glass fiber reinforced polyester, color: RAL 7035, locking device: profile half cylinder, can be buried Internal dimensions H x W x D [mm]: 600 x 276 x 165	-	-	-	19071911	15
	O11 Outdoor cabinet type 0/845 for types BS1 (up to 25 A) and BS2 (up to 10 A) IP44, glass fiber reinforced polyester, color: RAL 7035, DIN 43629, locking device: profile half cylinder, can be buried, including metal frame for setting in concrete Dimensions H x W x D [mm]: 585 x 845 x 315	-	-	-	19071440	40
	O200 Signaling module for LevelControl Basic 2 BC	-	-	-	19075182	0,2
	O201 Signaling module for type BC, with pressure sensor 3 mWC for redundant pneumatic level measurement or redundant bubbler system	-	-	-	19075183	1,1
	O203 Signaling module for type BS	-	-	-	19075185	1,1
	O204 Signaling module for type BS, with pressure sensor 3 mWC for redundant pneumatic level measurement or redundant bubbler system	-	-	-	19075186	0,8

Table 100: Control units and switchgear for Amarex, non-ATEX-compliant (i only valid for France.)

Item		Description	I _N	I _N	Type	Mat. No.	[kg]
			Min.	Max.			
			[A]	[A]			
	E4	Multi-functional plug, type Hyper, with motor protection relay CEE plug	2,6	3,7	Hyper 37.1	19071492	1
			3,7	5,5	Hyper 55.1	19071493	1
			5,5	8,0	Hyper 80.1	19071494	1
			8,0	11,5	Hyper 115.1	19071495	1
LevelControl Basic 2 control unit for single-pump station							
	E11	For float switch or 4 - 20 mA sensor, with master switch, 400 x 278 x 120 mm	2,5	4,0	BC1 400 DFNO 040 02	19073878	4,5
			4,0	6,0	BC1 400 DFNO 063 02	19073879	4,5
			6,0	10,0	BC1 400 DFNO 100 02	19073880	4,5
	E14	Pneumatic, with master switch, 400 x 278 x 120 mm	2,5	4,0	BC1 400 DPNO 040 02	29)	29)
			4,0	6,3	BC1 400 DPNO 063 02	29)	29)
			6,3	10,0	BC1 400 DPNO 100 02	29)	29)
	E17	Bubbler control, with master switch, 400 x 300 x 155 mm	2,5	4,0	BS1 400 DLNO 040 02	29)	29)
			4,0	6,3	BS1 400 DLNO 063 02	29)	29)
			6,3	10,0	BS1 400 DLNO 100 02	29)	29)
LevelControl Basic 2 control unit for dual-pump station							
	E11	For float switch or 4 - 20 mA sensor, optional master switch, 400 x 278 x 120 mm	2,5	4,0	BC2 400 DFNO 040 02	19073888	4,7
			4,0	6,3	BC2 400 DFNO 063 02	19073889	4,7
			6,0	10,0	BC2 400 DFNO 100 02	19073890	4,7
	E14	Pneumatic, with master switch, 400 x 278 x 120 mm	2,5	4,0	BC2 400 DPNO 040 02	29)	29)
			4,0	6,3	BC2 400 DPNO 063 02	29)	29)
			6,3	10,0	BC2 400 DPNO 100 02	29)	29)
	E17	Bubbler control, with master switch, 400 x 300 x 155 mm	2,5	4,0	BS2 400 DLNO 040 02	29)	29)
			4,0	6,3	BS2 400 DLNO 063 02	29)	29)
			6,3	10,0	BS2 400 DLNO 100 02	29)	29)

²⁹⁾ See KSB EasySelect

Alarm switchgears for pumps, non-ATEX-compliant

Table 101: AS 0/AS 1/AS 2/AS 4/AS 5

Item	Description	Mat. No.	[kg]
E50	 Alarm switchgear AS 0 with circuit breaker, acoustic signal transmitter with 85 dB(A), green equipment-on lamp Plastic housing, IP20, H x W x D = 140 x 80 x 57 [mm]. Use float switch, F1 leakage sensor (item E64), M1 alarm contactor or signal relay of control unit as contactor.	29128401	0,5
E51	 Alarm switchgear AS 2 with circuit breaker, acoustic signaling device with 85 dB(A), green equipment-on lamp, volt-free contact for hook-up to a control station Plastic housing, IP20, H x W x D = 140 x 80 x 57 [mm]. Use float switch, F1 leakage sensor (item E64) or signal relay of control unit as contactor.	29128422	0,5
E52	 Alarm switchgear AS 4 with circuit breaker, acoustic signal transmitter with 85 dB(A), green equipment-on lamp, volt-free contact for hook-up to a control station, self-charging power supply unit for 5 hours of operation in the event of a power failure Plastic housing, IP20, H x W x D = 140 x 80 x 57 [mm]. Use float switch (E60), F1 leakage sensor (item E64) or signal relay of control unit as contactor.	29128442	0,5
E53	 Alarm switchgear AS 5 Mains-independent, with self-charging power supply unit for 10 hours of operation in the event of a power failure, mains pilot LED, fault indicator light, acknowledgment button, volt-free contact for hook-up to a control station, ready for connection with 1.8 m power cable and plug. ISO housing, IP41, H x W x D = 190 x 165 x 75 [mm]. Use float switch (E60) or signal relay of control unit as contactor.	00530561	1,7
E55	 Alarm switchgear AS 1 In IP30 ISO plug housing, mains-independent, with self-charging power supply unit for 5 hours of operation in the event of a power failure, acoustic signal transmitter 70 dB(A) with circuit breaker and integrated signal transmitter with 3-meter power cable, max. 60 °C, not suitable for steam and condensate. 1. High water alert by suspending the sensor in a (pump) sump above the pump start-up point. 2. Water alarm signal at a water level of only 1 mm by placing the sensor on the floor in areas with a flooding or leakage risk, e.g. the cellar or next to the washing machine in the kitchen or bathroom.	00533740	0,9

Accessories for non-ATEX-compliant control units

Table 102: Control unit accessories for Amarex, non-ATEX-compliant

Item	Description	Length	Mat. No.	[kg]
		[m]		
 E60	Float switch with free cable end Function: circuit closed in upper float position (NO contact) Float switch housing: polypropylene Fluid temperature: 70 °C max. Power cable: H07RN-F3G1	3	11037742	0,5
		5	11037743	0,8
		10	11037744	1,3
		15	11037745	1,8
		20	11037746	2,4
		25	11037747	2,9
		30	11037748	3,4
 E62	Float switch with free cable end Function: circuit open in upper float position (NC contact) Float switch housing: polypropylene Fluid temperature: 70 °C max. Power cable: H07RN-F3G1	5	11037756	0,8
		10	11037757	1,4
		20	11037758	2,6
 E64	F1 leakage sensor Contactor for alarm switchgears AS 0, AS 2, AS 4 or as alarm transmitter for LevelControl Basic 2 Alarm transmission options: High water alert by suspending the sensor in a (pump) sump above the pump start-up point. Warning at a water level of 1 mm in areas with a flooding or leakage risk (e.g. in the cellar or next to the washing machine in the kitchen or bathroom) Dimensions [mm]: 52 x 21 x 20 (H x W x D)	3	19072366	0,2
 E65	Open pressure bell set, pneumatic and bubbler control with polyamide tube 8 x 1 mm	10	19071721	1,2
		20	19071837	2
		50	19074200	2,5

Item	Description	Length	Mat. No.	[kg]
		[m]		
 E66	Closed pressure bell set, pneumatic with polyamide tube 8 x 3 mm	10 > 10	19071722	3,5 On request
 E70	Horn, 12 V DC, 105 dB, 150 mA, IP54	-	01086547	0,1
 E71	Alarm combination, 12 V DC	-	01139930	0,1
 E72	Yellow alarm strobe light, 12 V DC, 195 mA, IP65	-	01056355	0,3
 O45	Plastic housing, IP65, for easier installation of alarm strobe light, for wall mounting	-	01061067	0,2
 E73	KSB ServiceTool	-	47121210	0,2
 E90	Rechargeable battery retrofit kit for LevelControl Basic 2, type BC Scope of supply: 2 rechargeable batteries (6 V, 1.3 Ah) and charge controller	-	19074194	0,8
 E91	Rechargeable battery retrofit kit for LevelControl Basic 2, type BS Scope of supply: 1 rechargeable battery (12 V, 1.2 Ah) and charge controller	-	19074199	1

LevelControl Basic 2 control units, ATEX-compliant

 Control units for ATEX applications are not explosion-proof, which means that they must not be operated in potentially explosive atmospheres.

 For ATEX-compliant variants, intrinsic safety barriers and an ATEX level switch (float switch) must be fitted. Selection via KSB EasySelect.

Table 103: Control units and switchgear for Amarex, ATEX-compliant ( valid for all countries except France.)

Item	Description	I _N	I _N	Type	Mat. No.	[kg]	
		Min.	Max.				
		[A]	[A]				
LevelControl Basic 2 control unit for single-pump station							
	E20	Float switch, with master switch, 600 x 400 x 200 mm	2,5	4,0	BS1 400 DFEO 040	19073800	12
			4,0	6,3	BS1 400 DFEO 063	19073801	12
			6,3	10,0	BS1 400 DFEO 100	19073802	12
	E21	Pneumatic, optional master switch, 400 x 281 x 135 mm	2,5	4,0	BC1 400 DPEO 040	19073771	4,5
			4,0	6,3	BC1 400 DPEO 063	19073772	4,5
			6,3	10,0	BC1 400 DPEO 100	19073773	4,5
	E23	Bubbler control with master switch, 400 x 300 x 155 mm	2,5	4,0	BS1 400 DLEO 040	19073821	12
			4,0	6,3	BS1 400 DLEO 063	19073822	12
			6,3	10,0	BS1 400 DLEO 100	19073823	12
	E24	Bubbler control in BC version Only to be used for connections with a neutral conductor. Optional component O1 (master switch) not possible. 400 x 281 x 135 mm	2,5	4,0	BC1 400 DLEO 040	19075154	4,5
			4,0	6,3	BC1 400 DLEO 063	19075155	4,5
			6,3	10,0	BC1 400 DLEO 100	19075156	4,5
LevelControl Basic 2 control unit for dual-pump station							
	E40	Float switch, with master switch, 600 x 400 x 200 mm	2,5	4,0	BS2 400 DFEO 040	19073842	13
			4,0	6,3	BS2 400 DFEO 063	19073843	13
			6,3	10,0	BS2 400 DFEO 100	19073844	13
	E41	Pneumatic, optional master switch, 400 x 281 x 135 mm	2,5	4,0	BC2 400 DPEO 040	19073785	4,7
			4,0	6,3	BC2 400 DPEO 063	19073786	4,7
			6,3	10,0	BC2 400 DPEO 100	19073787	4,7
	E43	Bubbler control with master switch, 400 x 300 x 155 mm	2,5	4,0	BS2 400 DLEO 040	19073863	13
			4,0	6,3	BS2 400 DLEO 063	19073864	13
			6,3	10,0	BS2 400 DLEO 100	19073865	13

Item		Description	I _N	I _N	Type	Mat. No.	[kg]
			Min.	Max.			
			[A]	[A]			
	E44	Bubbler control in BC version	2,5	4,0	BC2 400 DLEO 040	19075157	4,7
		Only to be used for connections with a neutral conductor. Optional component O1 (master switch) not possible. 400 x 281 x 135 mm	4,0	6,3	BC2 400 DLEO 063	19075158	4,7
			6,3	10,0	BC2 400 DLEO 100	19075159	4,7
LevelControl Basic 2 optional components (processed via KSB EasySelect) ³⁰⁾							
	O7	Intrinsic safety barrier for additional float switch in potentially explosive atmospheres e.g. high water float switch for pneumatic measurement or bubbler control in potentially explosive atmospheres Only in combination with type BS: Stahl 9002/13-280-093-001	-	-	-	01085568	0,2

Table 104: Accessories for control units and switchgear for Amarex, ATEX-compliant (i Only valid for France.)

Item		Description	I _N	I _N	Type	Mat. No.	[kg]
			Min.	Max.			
			[A]	[A]			
LevelControl Basic 2 control unit for single-pump station							
	E20	Float switch, with master switch, 600 x 400 x 200 mm	2,5	4,0	BS1 400 DFEO 040 02	31)	31)
			4,0	6,3	BS1 400 DFEO 063 02	31)	31)
			6,3	10,0	BS1 400 DFEO 100 02	31)	31)
	E21	Pneumatic, with master switch, 400 x 278 x 120 mm	2,5	4,0	BC1 400 DPEO 040 02	31)	31)
			4,0	6,3	BC1 400 DPEO 063 02	31)	31)
			6,3	10,0	BC1 400 DPEO 100 02	31)	31)
	E23	Bubbler control, with master switch, 400 x 300 x 155 mm	2,5	4,0	BS1 400 DLEO 040 02	31)	31)
			4,0	6,3	BS1 400 DLEO 063 02	31)	31)
			6,3	10,0	BS1 400 DLEO 100 02	31)	31)
LevelControl Basic 2 control unit for dual-pump station							
	E40	Float switch, with master switch, 600 x 400 x 200 mm	2,5	4,0	BS2 400 DFEO 040 02	31)	31)
			4,0	6,3	BS2 400 DFEO 063 02	31)	31)
			6,3	10,0	BS2 400 DFEO 100 02	31)	31)
	41	Pneumatic, with master switch, 400 x 278 x 120 mm	2,5	4,0	BC2 400 DPEO 040 02	31)	31)
			4,0	6,3	BC2 400 DPEO 063 02	31)	31)
			6,3	10,0	BC2 400 DPEO 100 02	31)	31)
	E43	Bubbler control, with master switch, 400 x 300 x 155 mm	2,5	4,0	BS2 400 DLEO 040 02	31)	31)
			4,0	6,3	BS2 400 DLEO 063 02	31)	31)
			6,3	10,0	BS2 400 DLEO 100 02	31)	31)

Accessories for ATEX-compliant control units

Table 105: Accessories for Amarex, ATEX-compliant

Item	Description	Length	Mat. No.	[kg]
		[m]		
	E63 Float switch with free cable end (NO contact) with declaration of compliance with explosion protection standards Power cable: (H07RN-F 3G1)	5	01148226	0,7
		10	01148247	1
		20	01148248	2
	E65 Open pressure bell set, pneumatic and bubbler control with polyamide tube 8 x 1 mm	10	19071721	1,2
		20	19071837	2
		50	19074200	2,5
	E66 Closed pressure bell set, pneumatic with polyamide tube 8 x 3 mm	10	19071722	3,5
		> 10	On request	

³⁰⁾ Optional components must be processed via KSB EasySelect, otherwise they will be supplied but not fitted.

³¹⁾ See KSB EasySelect

Item	Description	Length	Mat. No.	[kg]
		[m]		
 E70	Horn, 12 V DC, 105 dB, 150 mA, IP54– non-explosion-proof	-	01086547	0,1
 E71	Alarm combination, 12 V DC , non-explosion-proof	-	01139930	0,1
 E72	Yellow alarm strobe light, 12 V DC, 195 mA, IP65, non-explosion-proof	-	01056355	0,3
 O45	Plastic housing, IP65, for easier installation of alarm strobe light, for wall mounting	-	01061067	0,2
 E73	KSB ServiceTool	-	47121210	0,2
 E90	Rechargeable battery retrofit kit for LevelControl Basic 2, type BC Scope of supply: 2 rechargeable batteries (6 V, 1.3 Ah) and charge controller	-	19074194	0,8
 E91	Rechargeable battery retrofit kit for LevelControl Basic 2, type B5 Scope of supply: 1 rechargeable battery (12 V, 1.2 Ah) and charge controller	-	19074199	1

General assembly drawings with list of components

General assembly drawings for version US

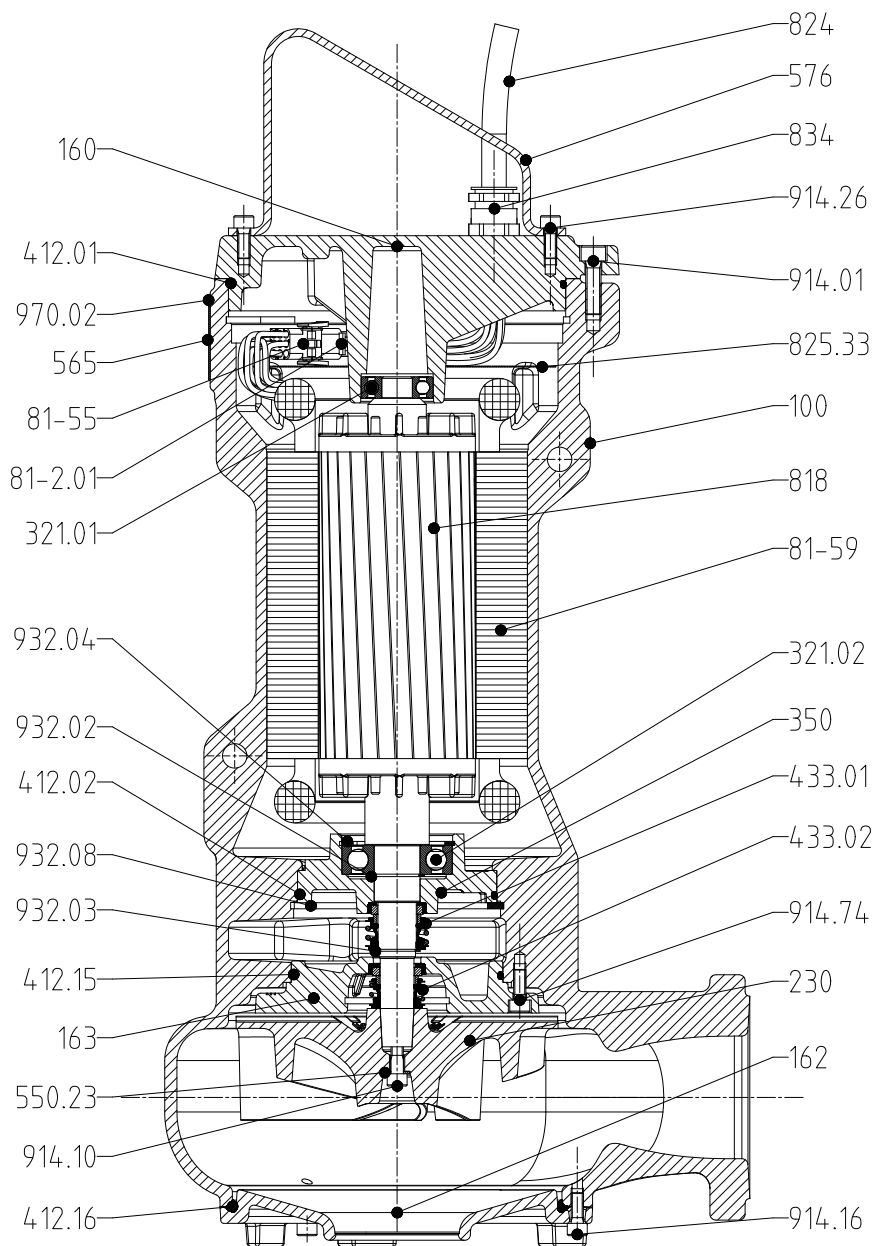


Fig. 13: General assembly drawing for version US, with impeller type F-max

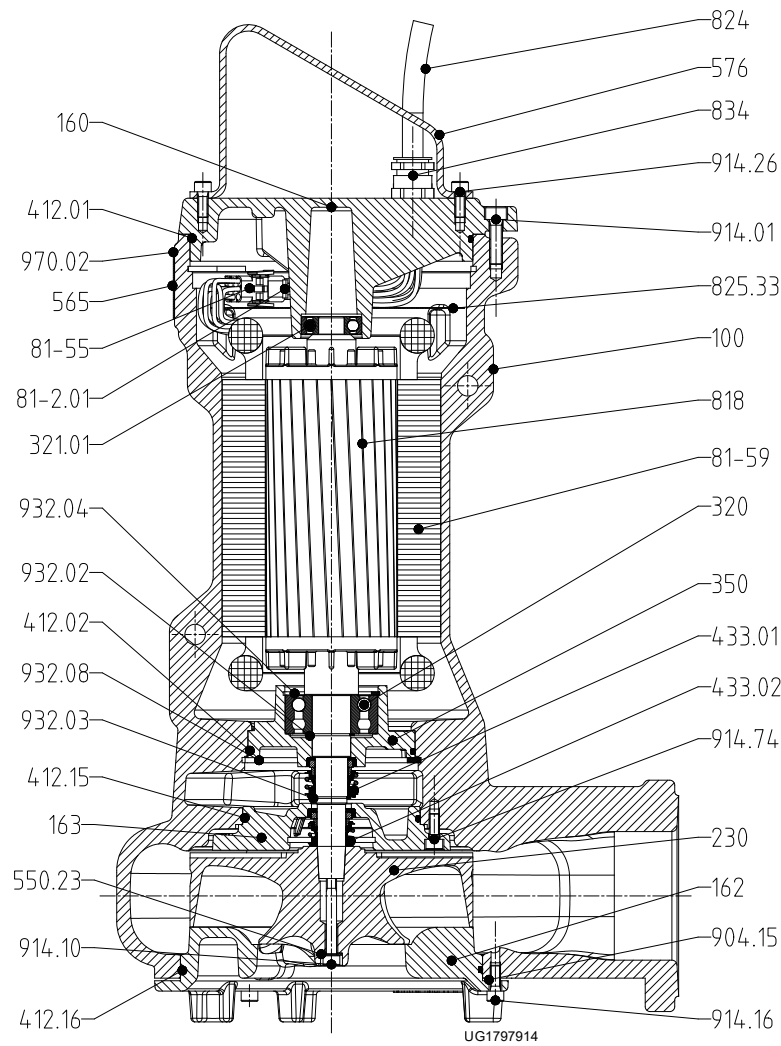


Fig. 14: General assembly drawing for version US, with impeller type D-max

Table 106: List of components

Part No.	Description	Part No.	Description
100	Casing	576	Handle
160	Cover	81-2.01	Plug
162	Suction cover	81-55	Socket
163	Discharge cover	81-59	Stator
230	Impeller	818	Rotor
320 ³²⁾	Rolling element bearing	824	Cable
321.01/.02 ³³⁾	Radial ball bearing	825.33	Cable guard
350	Bearing housing	834	Cable gland
412.01/.02/.15/.16	O-ring	904.15 ³²⁾	Grub screw
433.01/.02	Mechanical seal	914.01/.10/.16/.26/.74	Hexagon socket head cap screw
550.23	Disc	932.02/.03/.04/.08	Circlip
565	Rivet	970.02	Label/plate

³²⁾ Only used for version with impeller type D-max

³³⁾ Only used for version with impeller type F-max

General assembly drawing for version YS

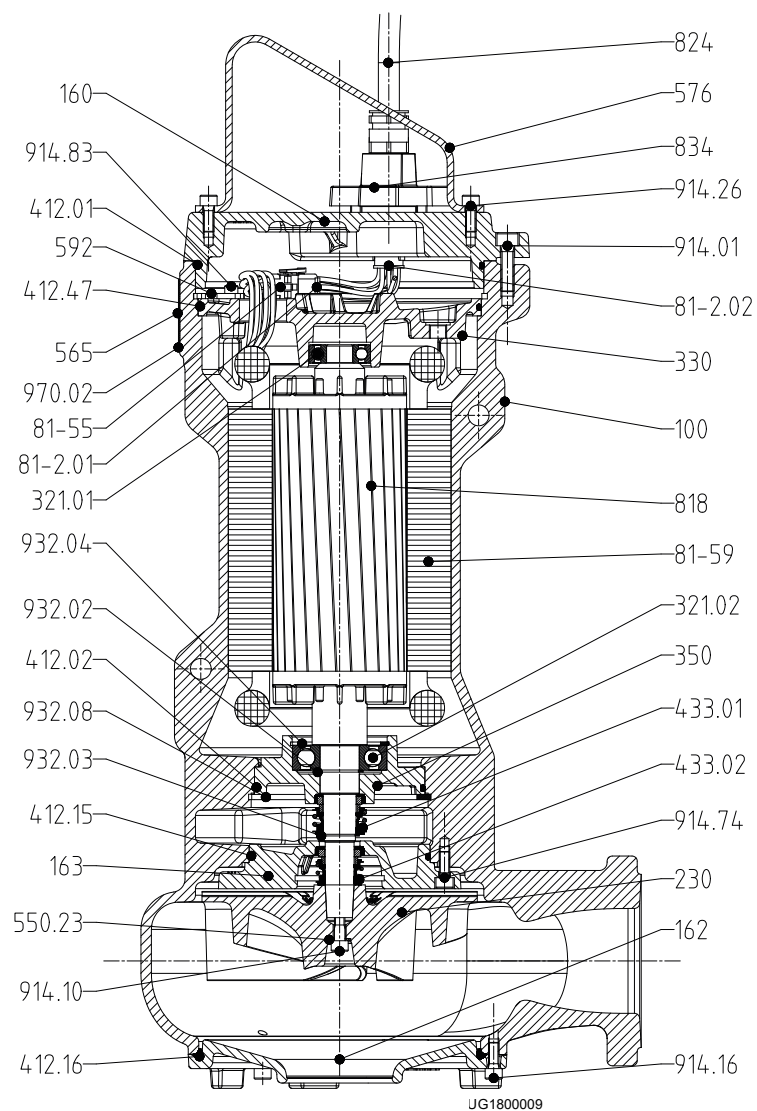


Fig. 15: General assembly drawing for version YS, impeller type F-max

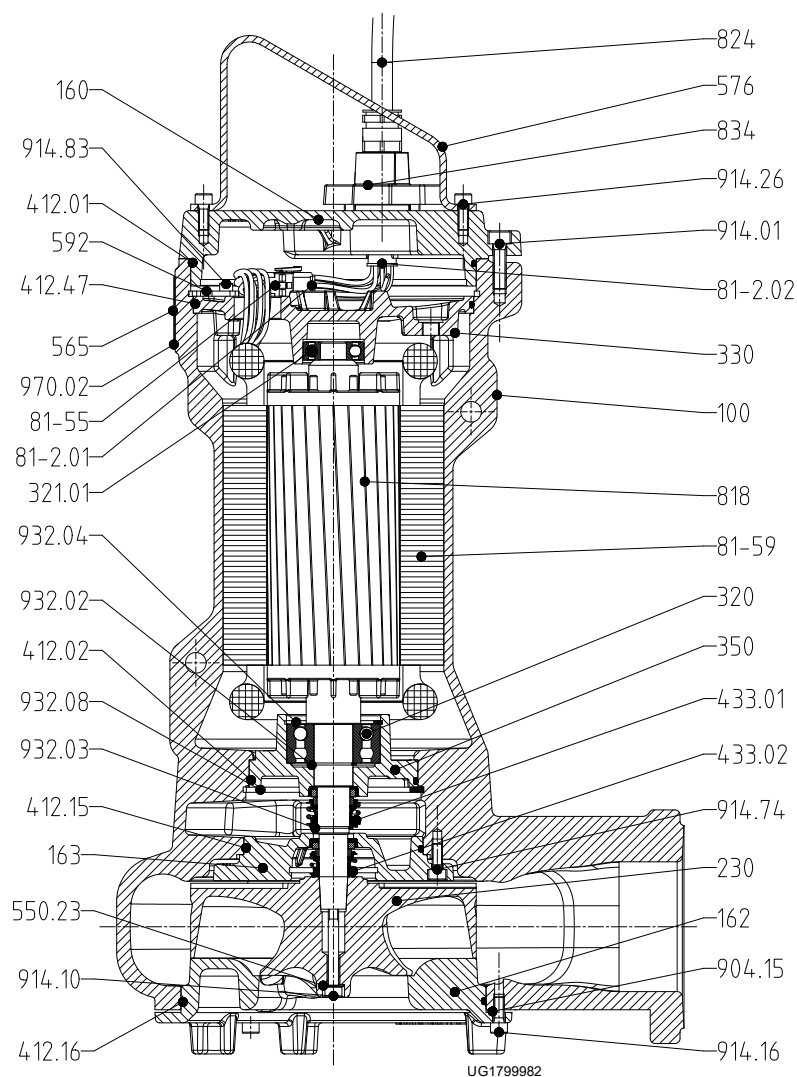


Fig. 16: General assembly drawing for version YS, impeller type D-max

Table 107: List of components

Part No.	Description	Part No.	Description
100	Casing	576	Handle
160	Cover	592	Plug
162	Suction cover	81-2.01/.02	Electric plug
163	Discharge cover	81-55	Socket
230	Impeller	81-59	Stator
320 ³⁴⁾	Rolling element bearing	818	Rotor
321.01/.02 ³⁵⁾	Radial ball bearing	824	Cable
330	Bearing bracket	834	Cable gland
350	Bearing housing	904.15 ³⁴⁾	Grub screw
412.01/.02/.15/.16/.47	O-ring	914.01/.10/.16/.26/.74/.83	Hexagon socket head cap screw
433.01/.02	Mechanical seal	932.02/.03/.04/.08	Circlip
550.23	Disc	970.02	Label/plate
565	Rivet		

³⁴⁾ Only used for version with impeller type D-max

³⁵⁾ Only used for version with impeller type F-max



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