

CRK 2-180/18 A-W-A-AUUV 3x230/400V 60HZ

Grundfos pump 40907178



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<https://www.lenntech.com/grundfos/CRK02/40907178/CRK-2-180-18-A-W-A-AUUV.html>

info@lenntech.com

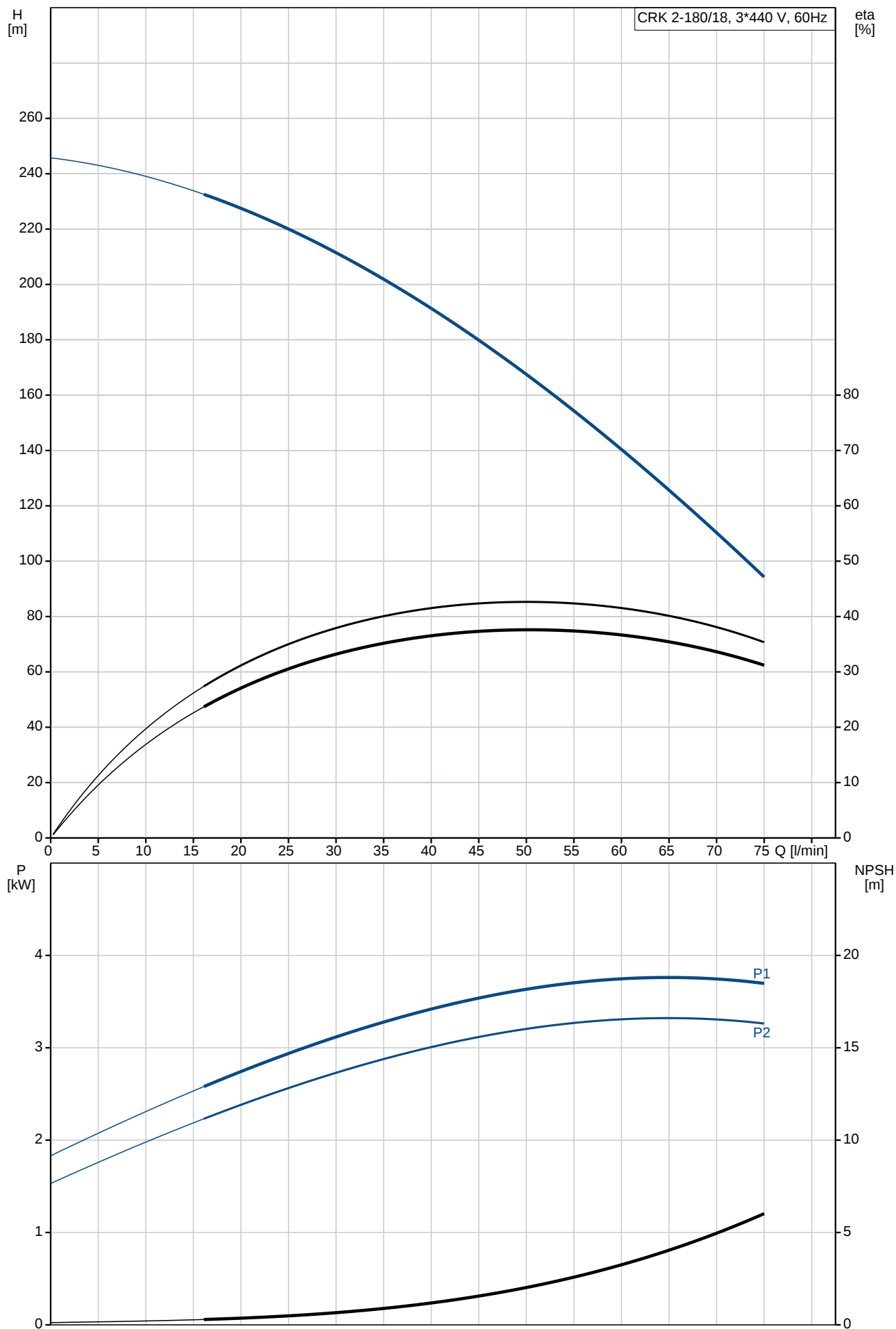
tel. +31 152 610 900

fax. +31 152 616 289

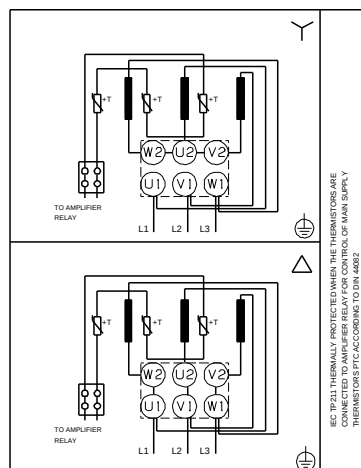
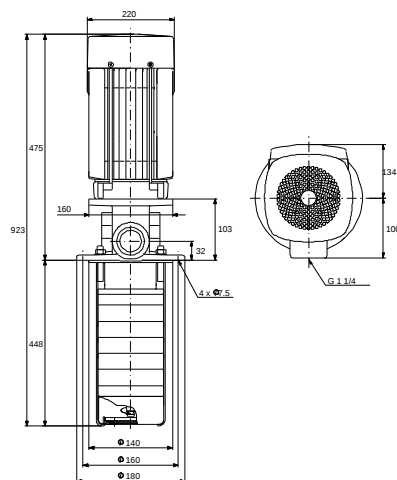
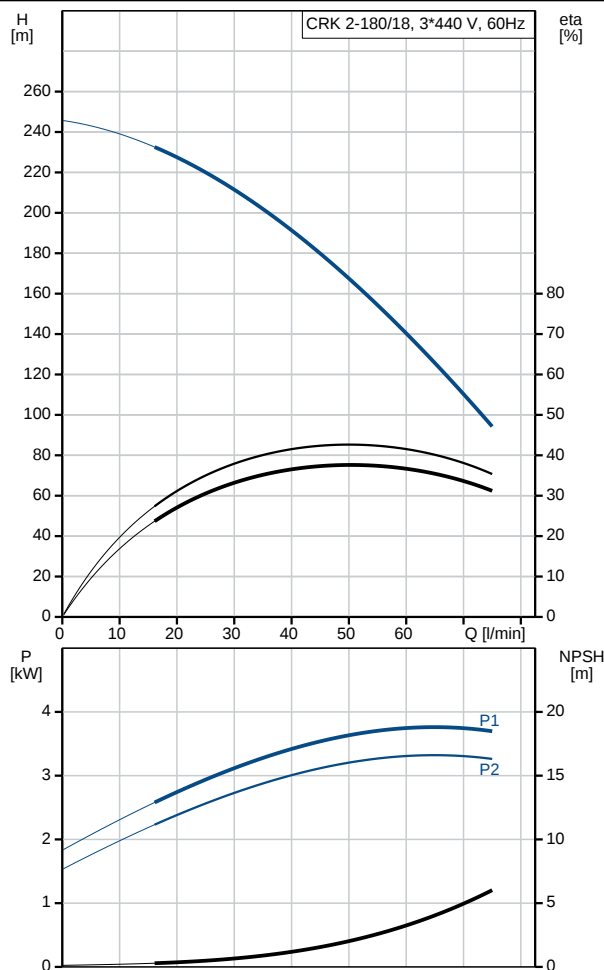
Position	Qty.	Description
	1	CRK 2-180/18 A-W-A-AUUV  Note! Product picture may differ from actual product Product No.: On request Multistage, immersible, self-priming, centrifugal pump for vertical installation in tanks etc. The pump has the following characteristics: - Installation length according to DIN 5440. - Impellers, intermediate chambers and spline shaft are made of Stainless steel. - Mechanical shaft seal according to EN 12756. - Power transmission via cast iron split coupling. The motor is a 3-phase AC motor. Immersion depth: 448 mm Liquid: Pumped liquid: Water Liquid temperature range: -10 .. 90 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ Technical: Rated flow: 50 l/min Rated head: 178.4 m Primary shaft seal: AUUV Curve tolerance: ISO9906:2012 3B Materials: Pump head: Cast iron EN-JL1030 ASTM A48-30 B Impeller: Stainless steel DIN W.-Nr. 1.4301 AISI 304 Installation: Maximum ambient temperature: 60 °C Pipe connection: G 1 1/4 Flange size for motor: FT130 Electrical data: Motor type: 112MC IE Efficiency class: IE1 - IE2 Rated power - P2: 4 kW Power (P2) required by pump: 4 kW

Position	Qty.	Description
		Mains frequency: 60 Hz Rated voltage: 3 x 220-277D/380-480Y V Rated current: 13,6-11,8/7,60-6,60 A Starting current: 1020-1500 % Cos phi - power factor: 0.90-0.82 Rated speed: 3510-3540 rpm Motor efficiency at full load: 84.5-87.5 % Motor efficiency at 3/4 load: 89 % Motor efficiency at 1/2 load: 87 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 36.1 kg

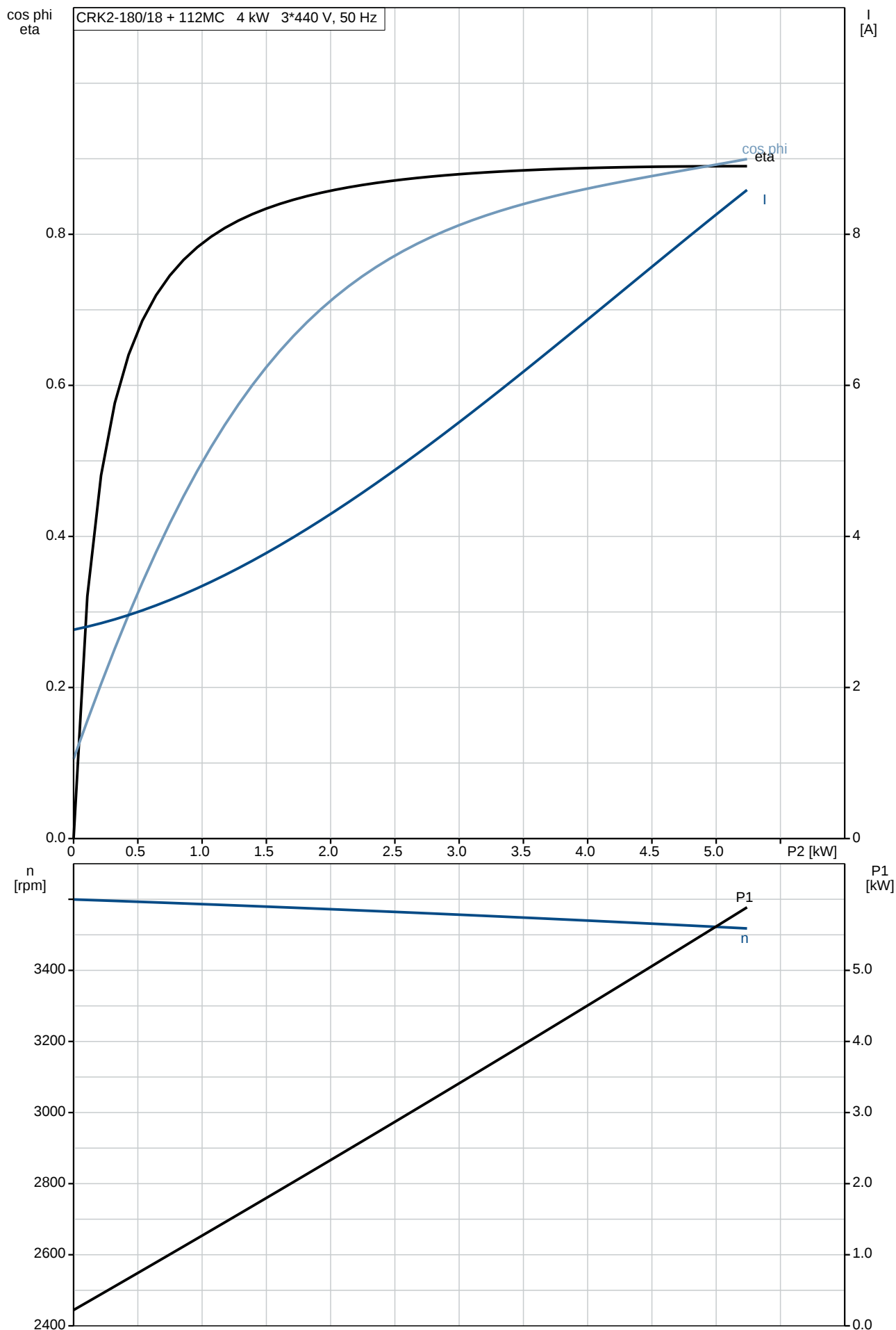
On request CRK 2-180/18 A-W-A-AUUV 60 Hz



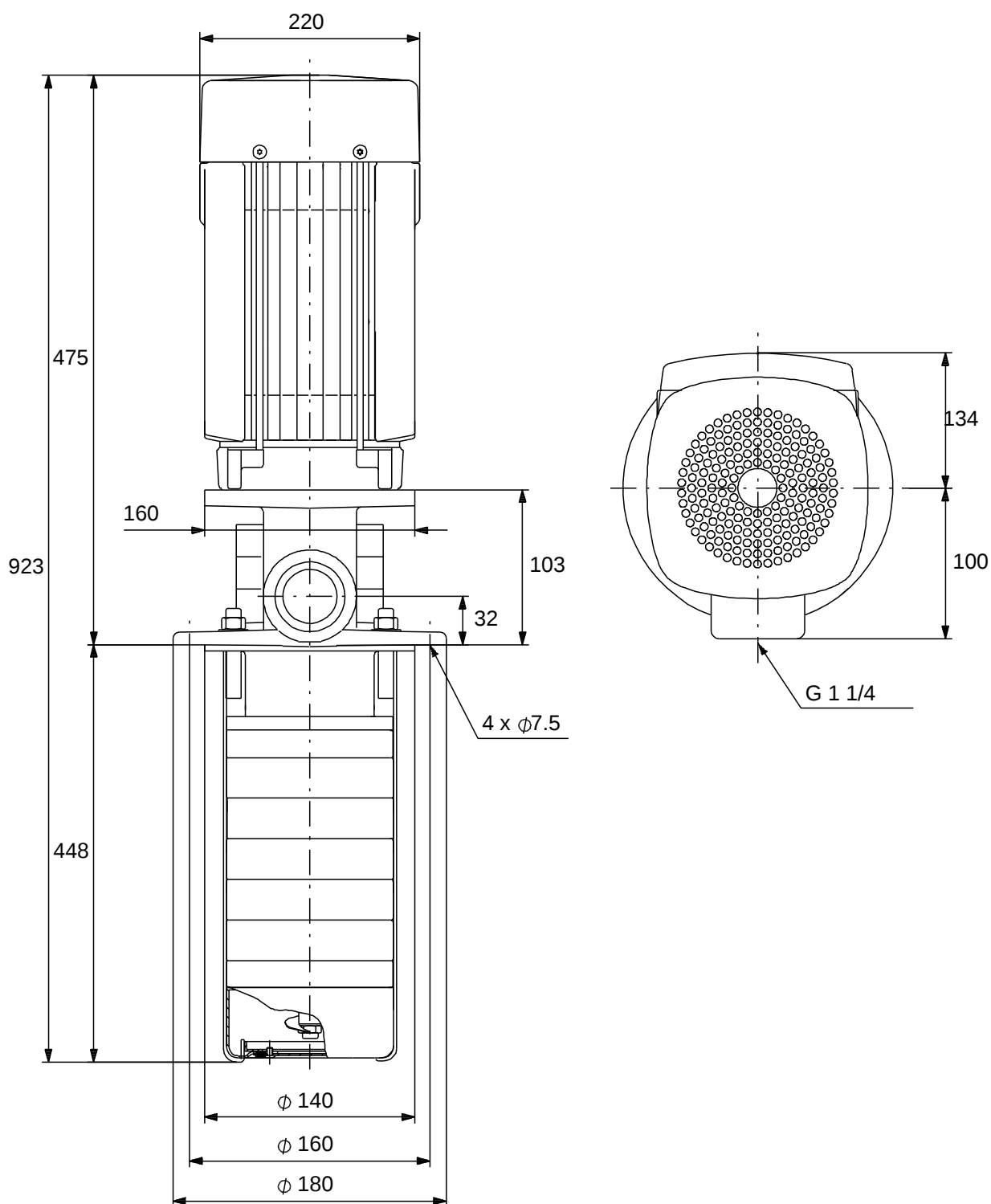
Description	Value
General information:	
Product name:	CRK 2-180/18 A-W-A-AUUV
Product No:	On request
EAN number:	On request
Technical:	
Rated flow:	50 l/min
Rated head:	178.4 m
Stages:	18
Impellers:	18
Primary shaft seal:	AUUV
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	C
Materials:	
Pump head:	Cast iron
	EN-JL1030
	ASTM A48-30 B
Impeller:	Stainless steel
	DIN W.-Nr. 1.4301
	AISI 304
Material code:	A
Installation:	
Maximum ambient temperature:	60 °C
Pipe connection:	G 1 1/4
Flange size for motor:	FT130
Connect code:	W
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-10 .. 90 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Motor type:	112MC
IE Efficiency class:	IE1 - IE2
Rated power - P2:	4 kW
Power (P2) required by pump:	4 kW
Mains frequency:	60 Hz
Rated voltage:	3 x 220-277D/380-480Y V
Rated current:	13,6-11,8/7,60-6,60 A
Starting current:	1020-1500 %
Cos phi - power factor:	0.90-0.82
Rated speed:	3510-3540 rpm
Motor efficiency at full load:	84.5-87.5 %
Motor efficiency at 3/4 load:	89 %
Motor efficiency at 1/2 load:	87 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85D05413
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	36.1 kg



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Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

Exploded view



Sectional drawing (TM058200 for TPE2,TPE3)



TM058200

Exploded view (TM057026 for MGE model H/I)



Parts list CRK 2-180/18, Product No. On request
Valid from 28.9.2012 (1239)

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
-	Pump w/o motor				1	pcs
+ 2	Pump head				1	
2k	Adapter flange				1	
- 4	Intermediate chamber cpl.				16	
	Intermediate chamber				1	
45	Neck ring				1	
65	Retainer				1	
- 4a	Intermediate chamber cpl.				2	
	Intermediate chamber				1	
45	Neck ring				1	
65	Retainer				1	
- 5a	Chamber, bottom				1	
3a	Intermediate chamber				1	
7	Coupling guard				2	
7a	Pan head screw				4	
9	Hex socket head cap screw		Designation: DIN 912		4	
			Length (mm): 25			
			Thread: M8			
10	Shaft pin		Diameter: 5		1	
			Length (mm): 26			
10a	Coupling half				2	
26	Strap cpl.				4	
28	Hex head screw		Length (mm): 20		4	
			Thread: M8			
36	Lock nut				4	
37	O-ring				1	
37.a	O-ring				1	
47a	Bearing ring, rotating		Internal diameter: 13.0		2	
			Outer diameter: 15.2			
			Length (mm): 9.0			
			Material type: TUNGSTEN CARBIDE			
49	Impeller cpl.				17	
49.d	Impeller cpl.				1	
- 51	Pump shaft cpl.		Diameter: 12		1	
			Length (mm): 473MM			
	Pump shaft				1	
62	Retaining ring				1	
61	Spacer for shaft seal				1	
64	Spacing pipe		Internal diameter: 12,7		15	
			Outer diameter: 15,0			
			Length (mm): 17,0			
64.c	Spacing pipe		Internal diameter: 12,7		1	
			Outer diameter: 15			
			Length (mm): 4,15			
64a	Spacing pipe		Internal diameter: 12,7		2	
			Outer diameter: 15,0			
			Length (mm): 7,3			
66	Wedge lock washer				1	
66a	Washer		Internal diameter: 10,5		4	
			Outer diameter: 21			
			Thickness: 2,00			
67	Lock nut		Designation: A2 DIN985		1	
			Thread: M8			
69a	Spacing pipe		Internal diameter: 12,7		1	
			Outer diameter: 15			
			Length (mm): 40,5			
76	Nameplate				1	
76a	Rivet				2	
84	Strainer				1	

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
84.b	Combi Slot Torx screw				1	
84c	Disc spring				1	
105	Shaft seal		Material type: AUUV		1	
121	Retainer for strainer				1	
- 122	Priming screw				1	
	Priming screw				1	
	Spacer				1	
+	Motor				1	pcs

Disclaimer: The information about the Grundfos pump in this document may be outdated.

Data may be subject to alterations without further notice.

Please contact us to verify the data above is still accurate/up-to-date.

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info@lenntech.com

<https://www.lenntech.com>

tel. +31 152 610 900

fax. +31 152 616 289