

DW.100.110.A3.H 3X400V 20M, Grundfos pump 96090221



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<https://www.lenntech.com/grundfos/DW000/96090221/DW-100-110-A3-H.html>

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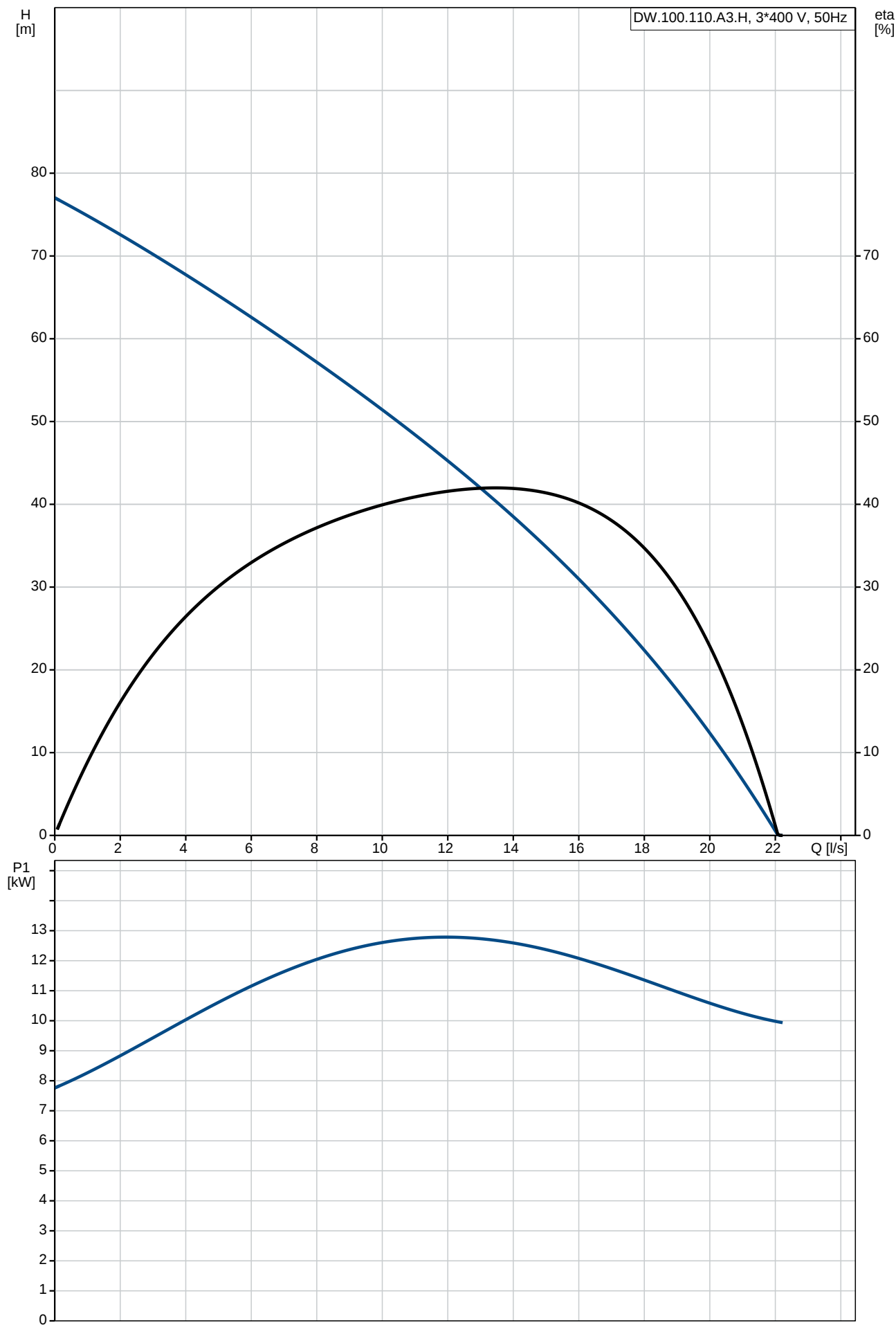
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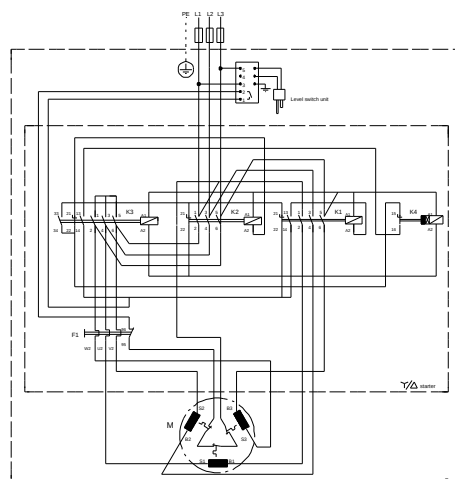
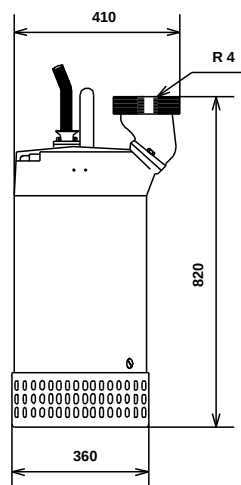
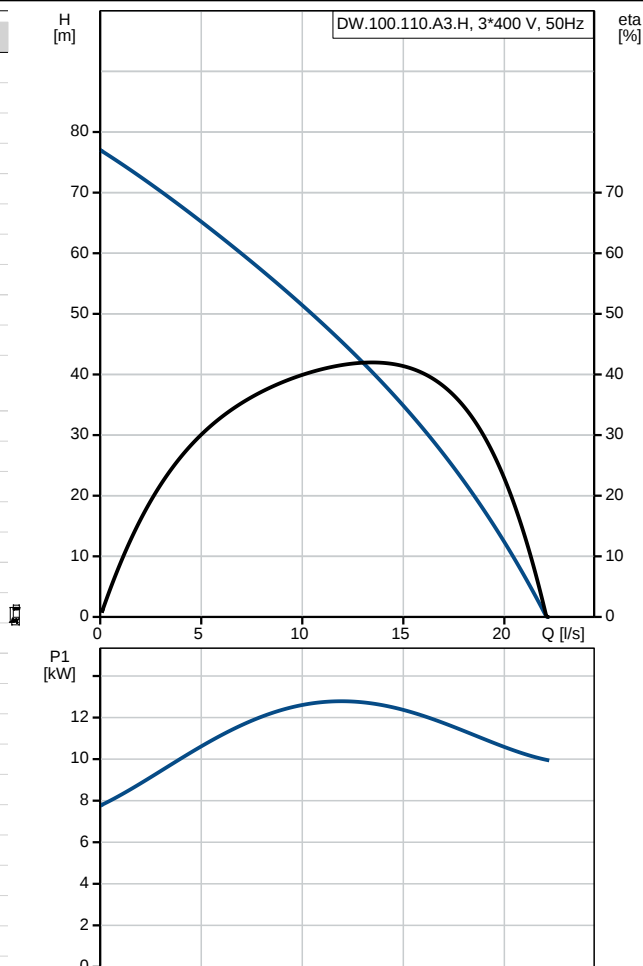
Position	Qty.	Description
	1	DW.100.110.A3.H  Note! Product picture may differ from actual product Product No.: On request Submersible contractor pump. Submersible pump for dewatering in mines, tunnels, quarries and construction sites with vertical discharge port and integrated submersible 3-phase totally enclosed motor in insulation class F (155°C). Automatic level control is integrated in the top cover. The pump starts/stops by means of two electrodes monitoring the water level. The pump has a riser pipe, a cooling jacket for continuous cooling of the motor by the pumped liquid and long-life, deep-groove greased-for-life ball bearings. The pump has a double mechanical seal. The impeller is fitted between rubber parts. A rubber-coated backplate above the impeller protects the bottom of the oil chamber against wear. A rubber liner protects against wear inside the cooling jacket. When the diffuser becomes worn, it is easily adjusted against the impeller by means of the staybolts to maintain the high performance. The pump is fitted with suction strainer, lifting handle and a 20 m mains cable. The motor has thermal overload switches in the stator windings breaking at 130°C. Stator housing and cooling jacket of aluminium according to DIN 1712:GA15:10Mg. Liquid: Liquid temperature range: 0 .. 40 °C Density: 998.2 kg/m³ Technical: Curve tolerance: ISO9906:2012 3B Materials: Pump housing: Aluminium Impeller: High-chromium abrasion resistant cast iron HV600 Installation: Pump outlet: R 4 Maximum installation depth: 17 m Electrical data: Power input - P1: 12.8 kW Mains frequency: 50 Hz

Position	Qty.	Description
		Rated voltage: 3 x 400 V Rated current: 21 A Rated speed: 2800 rpm Start. method: star/delta Enclosure class (IEC 34-5): IP68 Insulation class (IEC 85): F Length of cable: 20 m Type of cable plug: NONE Others: Net weight: 110 kg

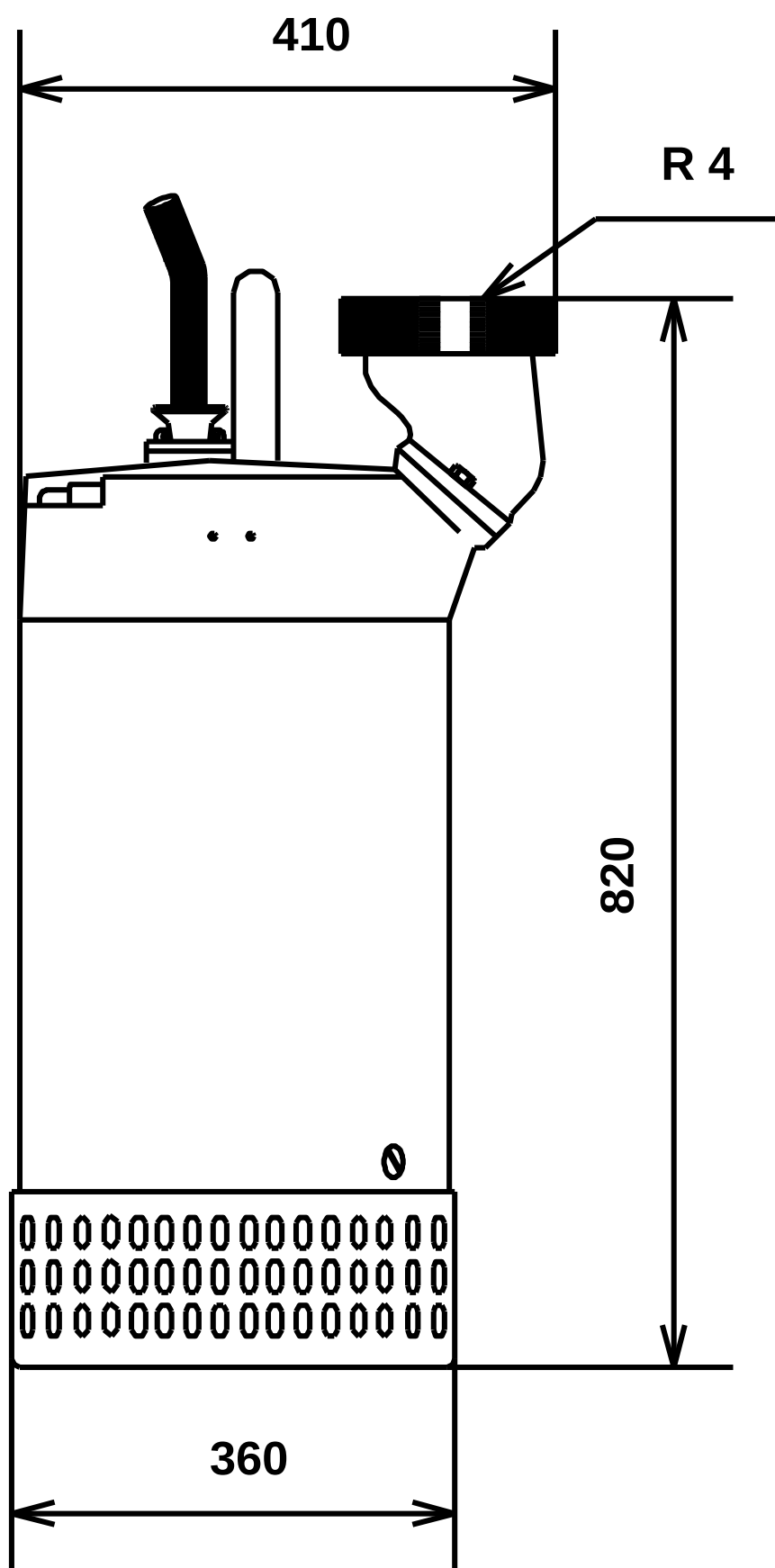
On request DW.100.110.A3.H 50 Hz



Description	Value
General information:	
Product name:	DW.100.110.A3.H
Product No:	On request
EAN number:	On request
Technical:	
Max flow:	21.9 l/s
Head max:	77 m
Curve tolerance:	ISO9906:2012 3B
Materials:	
Pump housing:	Aluminium
Impeller:	High-chromium abrasion resistant cast iron HV600
Installation:	
Pump outlet:	R 4
Maximum installation depth:	17 m
Inst dry/wet:	S
Installation:	vertical
Liquid:	
Liquid temperature range:	0 .. 40 °C
Density:	998.2 kg/m ³
Electrical data:	
Power input - P1:	12.8 kW
P2:	11 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 400 V
Rated current:	21 A
Rated speed:	2800 rpm
Start. method:	star/delta
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	F
Motor protec:	CONTACT
Thermal protec:	internal
Length of cable:	20 m
Type of cable plug:	NONE
Controls:	
Level switch:	integrated level control
Others:	
Net weight:	110 kg



On request DW.100.110.A3.H 50 Hz



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 DW.100.110.A3.H, Product No. On request
Valid from 1.12.1998 (9849)

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
	Kit, stator w/housing				1	pcs
	Hex head bolt		Length (mm): 35 Thread: 10		3	pcs
3	Washer				12	pcs
6	Washer				2	pcs
6	Washer				3	pcs
6	Washer				18	pcs
7	Washer				6	pcs
13	Diffuser				1	pcs
14	Hex socket head cap screw				1	pcs
15	Washer		Internal diameter: 10.2 Outer diameter: 21 Thickness: 4		1	pcs
15	Washer				1	pcs
16	O-ring				1	pcs
16	O-ring				1	pcs
22	Impeller disc				1	pcs
23	Rubber plug				2	pcs
26	Stud bolt				2	pcs
31	Seal ring				3	pcs
34	O-ring				2	pcs
34	O-ring				1	pcs
34	O-ring				1	pcs
35	O-ring				1	pcs
37	Shaft seal				1	pcs
38	Bearing retainer				1	pcs
42	Washer				1	pcs
43	Ball bearing				1	pcs
46	Hex socket head cap screw		Length (mm): 14 Thread: M12		2	pcs
49	O-ring				1	pcs
51	O-ring				1	pcs
54	Ball bearing				1	pcs
54	Ball bearing				1	pcs
55	O-ring				1	pcs
59	Nut				1	pcs
60	Spring Pin				1	pcs
61	O-ring		Diameter: 59.5 Material type: NBR Thickness: 3		1	pcs
62	Cover				1	pcs
65	Hex socket head cap screw				3	pcs
66	O-ring				1	pcs
69	Sleeve				1	pcs
69	Sleeve				1	pcs
70	Cable				1	pcs
74	Cover				1	pcs
75	Washer				1	pcs
76	Rubber bush				1	pcs
77	Washer				1	pcs
78	O-ring				2	pcs
81	Slot cheese head screw				2	pcs
83	O-ring				2	pcs
84	Handle				1	pcs
89	Hex socket head cap screw				2	pcs
92	Main switch contactor				1	pcs
97	Socket pan head screw				6	pcs
99	Washer				1	pcs
101	Y/D starter				1	pcs

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
105	Retaining ring				1	pcs
106	O-ring		Diameter: 62		1	pcs
			Material type: NBR			
			Thickness: 3			
118a	Hex socket head cap screw				3	pcs
169	Split cone				1	pcs
170	Split cone				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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