

DW.100.66.A3 3X400V 20M, Grundfos pump 96090259



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<https://www.lenntech.com/grundfos/DW000/96090259/DW-100-66-A3.html>

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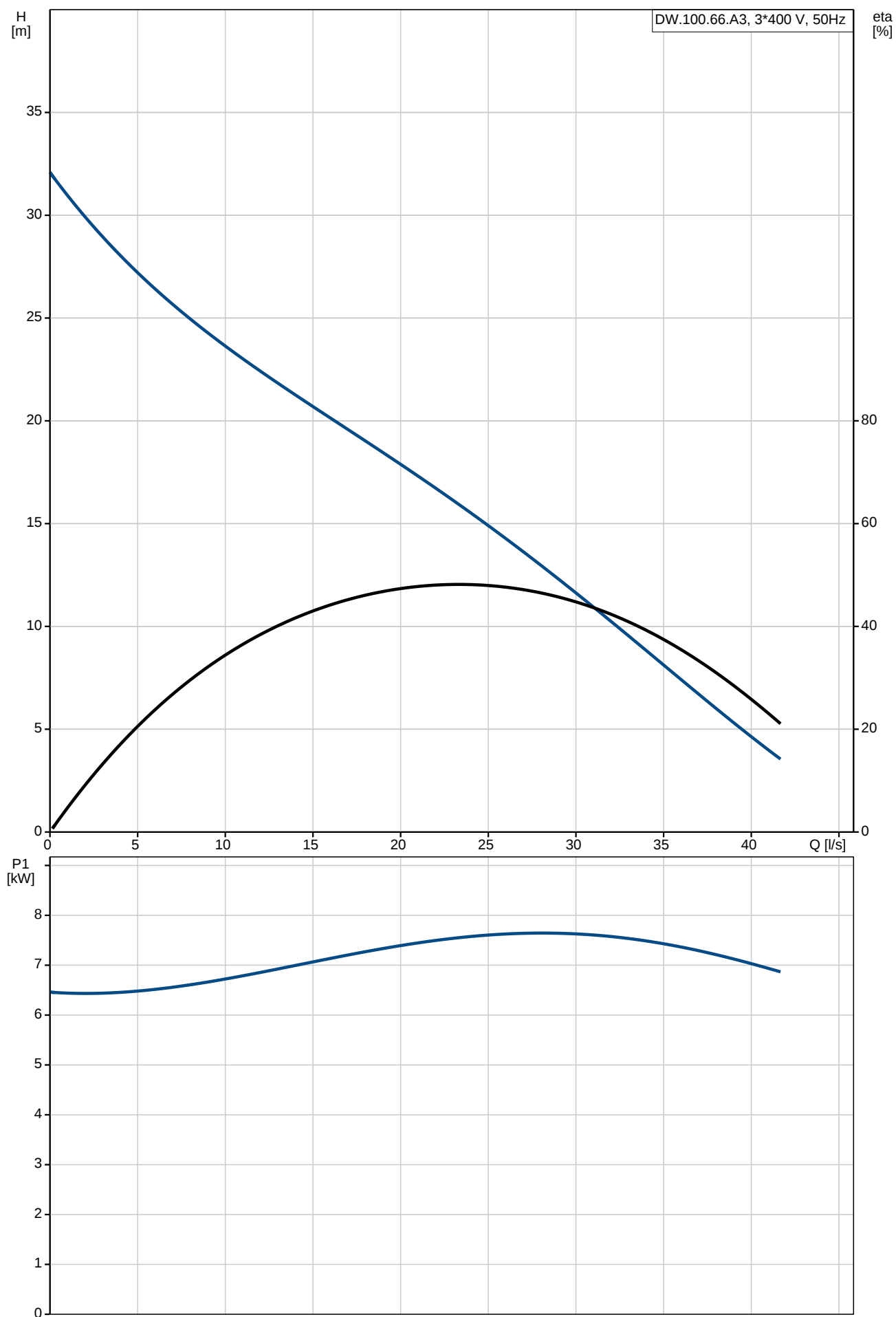
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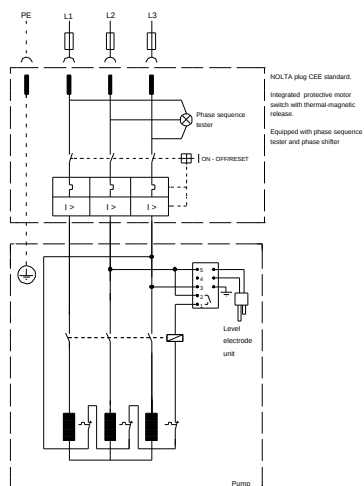
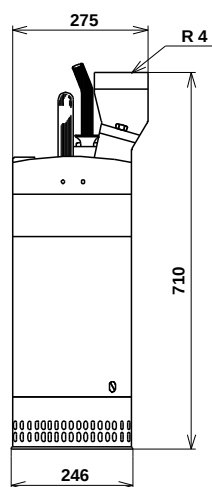
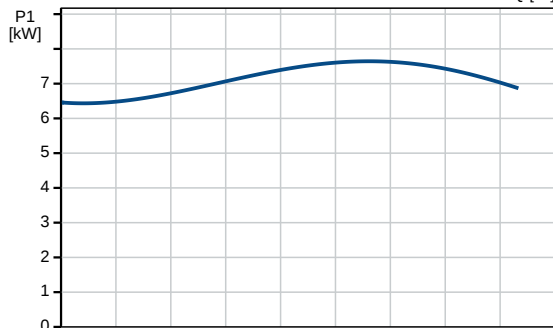
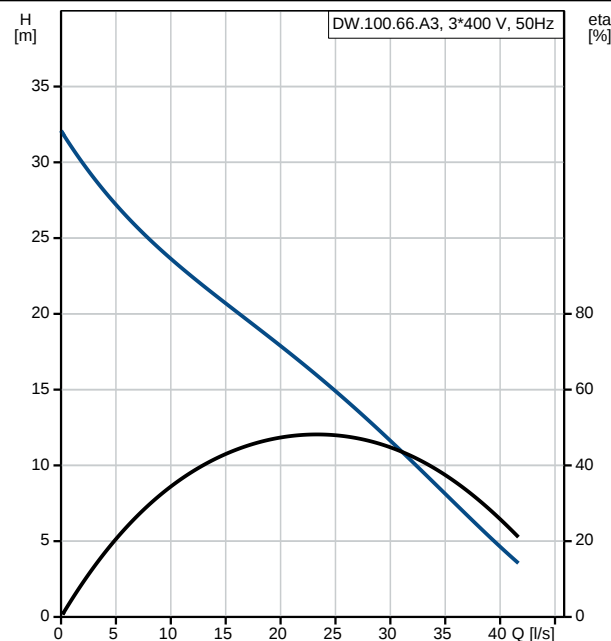
Position	Qty.	Description
	1	DW.100.66.A3  Note! Product picture may differ from actual product Product No.: On request Submersible contractor pump. Submersible pump for dewatering in mines, tunnels, quarries and construction sites with vertical discharge port and integrated submersible 3-phase totally 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 / Storz Maximum installation depth: 17 m Electrical data: Power input - P1: 7.8 kW Mains frequency: 50 Hz

Position	Qty.	Description
		Rated voltage: 3 x 400 V Rated current: 12.5 A Rated speed: 2800 rpm Start. method: direct-on-line Enclosure class (IEC 34-5): IP68 Insulation class (IEC 85): F Length of cable: 20 m Type of cable plug: CEE Others: Net weight: 51 kg

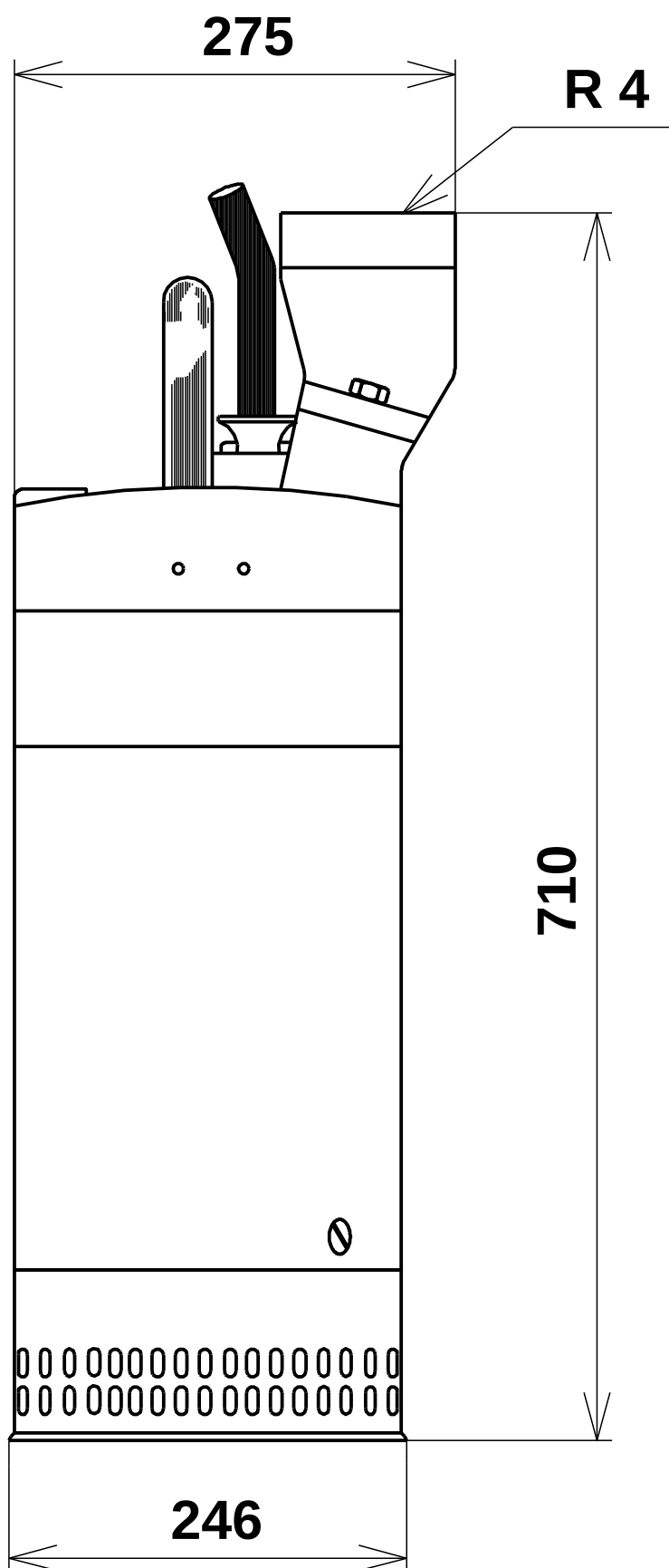
On request DW.100.66.A3 50 Hz



Description	Value
General information:	
Product name:	DW.100.66.A3
Product No:	On request
EAN number:	On request
Technical:	
Max flow:	41.7 l/s
Head max:	32 m
Curve tolerance:	ISO9906:2012 3B
Materials:	
Pump housing:	Aluminium
Impeller:	High-chromium abrasion resistant cast iron HV600
Installation:	
Pump outlet:	R 4 / Storz
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:	7.8 kW
P2:	6.6 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 400 V
Rated current:	12.5 A
Rated speed:	2800 rpm
Start. method:	direct-on-line
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:	CEE
Controls:	
Level switch:	integrated level control
Others:	
Net weight:	51 kg



On request DW.100.66.A3 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.100.66.A3, Product No. On request
Valid from 31.5.2010 (1022)

Pos	Description	Annotation	Données de classification	Référence	Quantité	Unité
-	Oil housing cover				1	pcs
33	Cover				1	
6	Washer		Internal diameter: 10.5 Outer diameter: 18 Thickness: 1.6		2	pcs
6	Washer		Internal diameter: 10.5 Outer diameter: 18 Thickness: 1.6		3	pcs
6	Washer		Internal diameter: 10.5 Outer diameter: 18 Thickness: 1.6		3	pcs
19	Nut		Thread: M10		6	pcs
26	Socket pan head screw				5	pcs
32	O-ring				1	pcs
43	Ball bearing				1	pcs
45	Seal ring				3	pcs
46	Hex socket head cap screw		Length (mm): 14 Thread: M12		1	pcs
51	O-ring				1	pcs
54	Ball bearing				1	pcs
65	Hex socket head cap screw				3	pcs
91	Contactor				1	pcs
96	Plug				1	pcs
97	Socket pan head screw				3	pcs
98	Bearing retainer				1	pcs
104	Base plate				1	pcs
107	O-ring		Diameter: 134.5 Material type: NBR Thickness: 3		2	pcs
107	O-ring		Diameter: 134.5 Material type: NBR Thickness: 3		2	pcs
115	Rubber bush				3	pcs
- 154	Kit, stator w/housing				1	pcs
47	Motor housing				1	
48	Stator				1	
187	Hex socket head cap screw				3	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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