

## 8GS22M-L4C

Company	Customer	Date	6/19/2019
Contact	Contact	Item no.	104152730
Phone number	Phone number	Project	
Email	Email	Project no.	

### Operating data

1	Pumpe type	Single head pump	Fluid	Water
2	No. of pumps / Reserve	1 /	Operating temperature t A	°C 4
3	Nominal flow	m³/h 0	pH-value at t A	7
4	Nominal head	m 0	Density at t A	kg/m³ 1000
5	Static head	m 0	Kin. viscosity at t A	mm²/s 1.569
6	Inlet pressure	kPa 0	Vapor pressure at t A	kPa 100
7	Env ironmental temperature	°C 20	Solids	0
8	Av ailable system NPSH	m 0	Altitude	m 0

### Pump data

9	Pump designation	8GS22M-L4C		
10	Design	Impeller Ø	Max.	mm
			designed	mm
11	Make	Lowara	Min.	mm
12	Speed	rpm 2900	Nominal	m³/h ( )
13	Number of stages	15	Max-	m³/h 11
14	Suction nozzle	/ /	Min-	m³/h 3.5
15	Discharge nozzle	/ /	Nominal	m
16	Max. casing pressure	kPa	at Qmax	m 30.1
17	Max. working pressure	kPa 971.1	at Qmin	m 88.4
18	Impeller type		Shaft power	kW ( )
19	Impeller design		Max. shaft power	kW 2.1
20	Head H(Q=0)	m 99	Efficiency	%
21	Weight	kg 20	NPSH 3%	m

### Materials

22	<b>Pump</b>			
23	Valv e cap	Stainless steel / AISI 304	Motor adapter	Stainless steel / CF-8 ASTM A743
24	Valv e gasket	NBR	Discharge head	Stainless steel / CF-8 ASTM A743
25	Valv e flange	Stainless steel / AISI 304	Screws, nuts, washers	Stainless steel / AISI 316
26	Valv e locking ring	Stainless steel / AISI 302	BUSH	Technopoly mer PU
27	Adapter ring	Technopoly mer	Diffuser	Technopoly mer
28	Upper bush bracket	Technopoly mer	impeller	Technopoly mer
29	Thrust bearing	Stainless steel / AISI 304	Intermediate bush	Stainless steel / AISI 304
30	WASHER	Stainless steel / AISI 304	bracket_pos22	Stainless steel / CF-8 ASTM A743
31	bracket_pos9	Technopoly mer	Cable guard	Stainless steel / AISI 304
32	Shaft Sleeve	Stainless steel / AISI 304	Shim	Stainless steel / AISI 304
33	Sleeve	Stainless steel / AISI 304	Upper pump shaft	Stainless steel / AISI 304
34	Upper sleeve	Stainless steel / AISI 304	Intermediate coupling	Stainless steel / AISI 316
35	Pump shaft	Stainless steel / AISI 304	SPACER	Stainless steel / AISI 304
37	Coupling	Stainless steel / AISI 304		
36	Strainer	Stainless steel / AISI 304		
38				

### Motor data

39	Manufacturer	Lowara	Electric voltage	220 V		
40	Specific design	1 phase submersible canned motor (e-GS)		Cable cross section	mm²	
41	Type	L4C22M235	Electric current	15.4 A	Environmental temperature	°C 20
42	Rated power	2.2 kW	Degree of protection	IP68	Cable length	0
43	Speed	2740 rpm	Insulation class	155 (F)		
44	Frame size	56				
45	Weight	0 kg				

### Cable

<b>Remarks:</b>		
46	Name	
47	Weight	kg

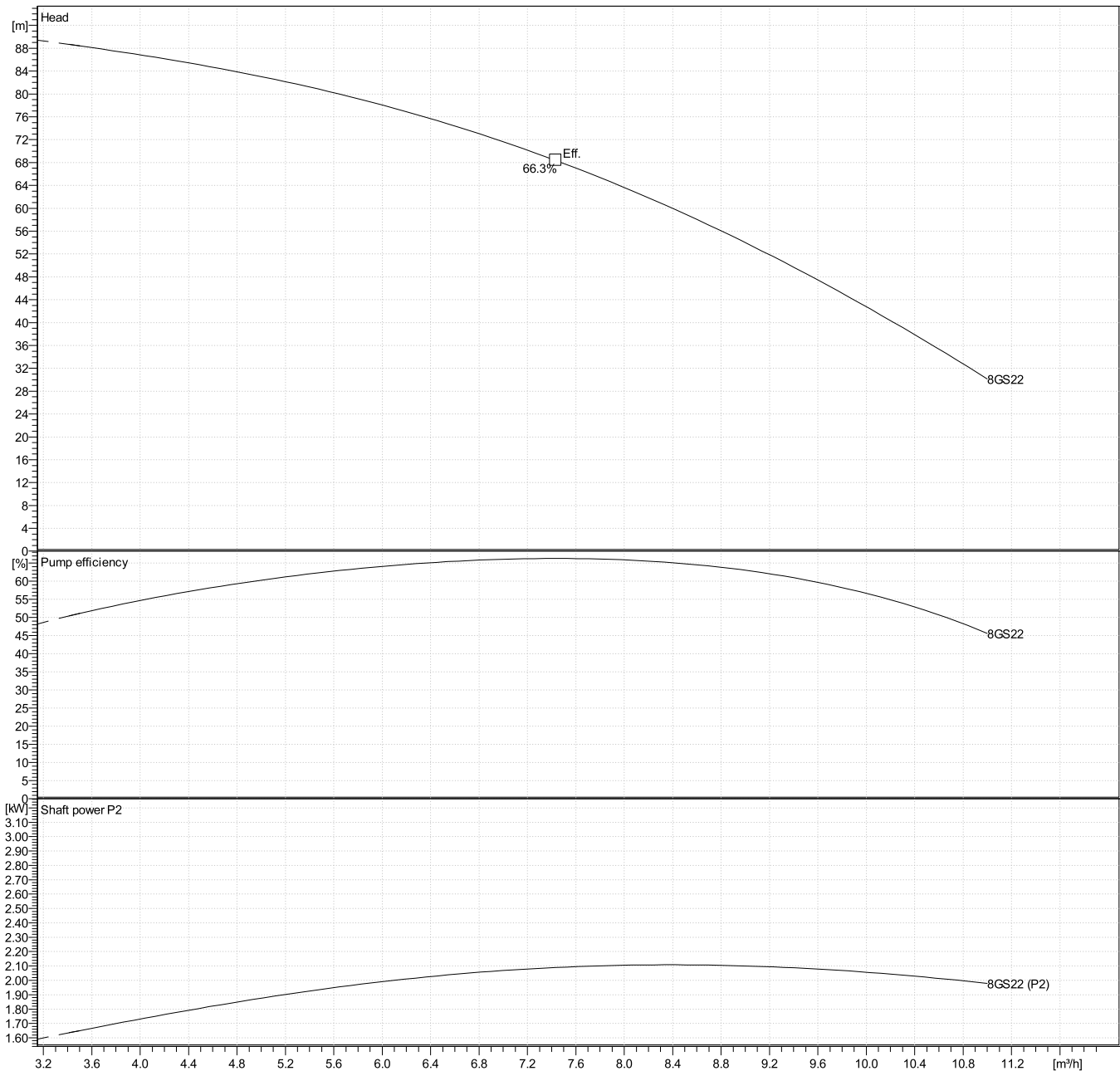
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<b>Operating Data Specification</b>	<b>Hydraulic data (duty point)</b>	<b>Impeller design</b>
Flow Head Static head	0 m <sup>3</sup> /h 0 m 0 m MEI >=0,4	Impeller R Frequency Speed
		0 mm 50 Hz 2900 rpm

**Power datas referred to:**

Water [100%] ; 4°C; 1000kg/m<sup>3</sup>; 1.57mm<sup>2</sup>/s

Performance according to ISO 9906:2012 – Grade 3B



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#### Dimensions

mm

DNM	Rp 2					Suction side	
L	1091					/ PN	
						Discharge side	
						/ PN	
						Weight	20.4 kg

