

## 8GS22M-L4C

Company		Customer		Date		1/7/2021
Contact		Contact		Item no.		104152730
Phone number		Phone number		Project		
Email		Email		Project no.		
<b>Operating data</b>						
1	Pumpe type	Single head pump		Fluid		Water, pure
2	No. of pumps / Reserve	1 /		Operating temperature t A		°C 4
3	Nominal flow	m <sup>3</sup> /h	0	pH-v value at t A		7
4	Nominal head	m	0	Density at t A		kg/m <sup>3</sup> 1000
5	Static head	m	0	Kin. viscosity at t A		mm <sup>2</sup> /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
<b>Pump data</b>						
9	Pump designation	8GS22M-L4C		Impeller Ø		Max. mm
10	Design	Borehole pumps		designed		mm
11	Make	Lowara		Min.		mm
12	Speed	rpm	2900	Flow		Nominal m <sup>3</sup> /h ( )
13	Number of stages	15		Max-		m <sup>3</sup> /h 11
14	Suction nozzle	/ /		Min-		m <sup>3</sup> /h 3.5
15	Discharge nozzle	/ /		Head		Nominal m
16	Max. casing pressure	kPa		at Qmax		m 30.1
17	Max. working pressure	kPa	971.2	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
<b>Materials</b>						
22	<b>Pump</b>					
23	Valve cap	Stainless steel / AISI 304		Motor adapter		Stainless steel / CF-8 ASTM A743
24	Valve gasket	NBR		Discharge head		Stainless steel / CF-8 ASTM A743
25	Valve flange	Stainless steel / AISI 304		Screws, nuts, washers		Stainless steel / AISI 316
26	Valve locking ring	Stainless steel / AISI 302		BUSH		Technopoly mer PU
27	Adapter ring	Technopoly mer PPO		Diffuser		Technopoly mer PPO
28	Upper bush bracket	Technopoly mer PPO		Impeller		Technopoly mer PPO
29	Thrust bearing	Stainless steel / AISI 304		Bowl		Stainless steel / AISI 304
30	WASHER	Stainless steel / AISI 304		Intermediate bush		Stainless steel / CF-8 ASTM A743
31	Intermediate bush	Technopoly mer PPO		Cable guard		Stainless steel / AISI 304
32	bracket_pos9 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						
<b>Motor data</b>				<b>Cable</b>		
39	Manufacturer	Lowara	Electric voltage	220 V	Cable type	
40	Specific design	1 phase submersible canned motor (e-GS)		Cable cross section		mm <sup>2</sup>
41	Type	L4C22M235	Electric current	15.4 A	Environmental temperature	
42	Rated power	2.2 kW	Degree of protection	IP68	Cable length	
43	Speed	2740 rpm	Insulation class	155 (F)		
44	Frame size	56				
45	Weight	0 kg				
<b>Base plate</b>				<b>Remarks:</b>		
46	Name					
47	Weight	kg				

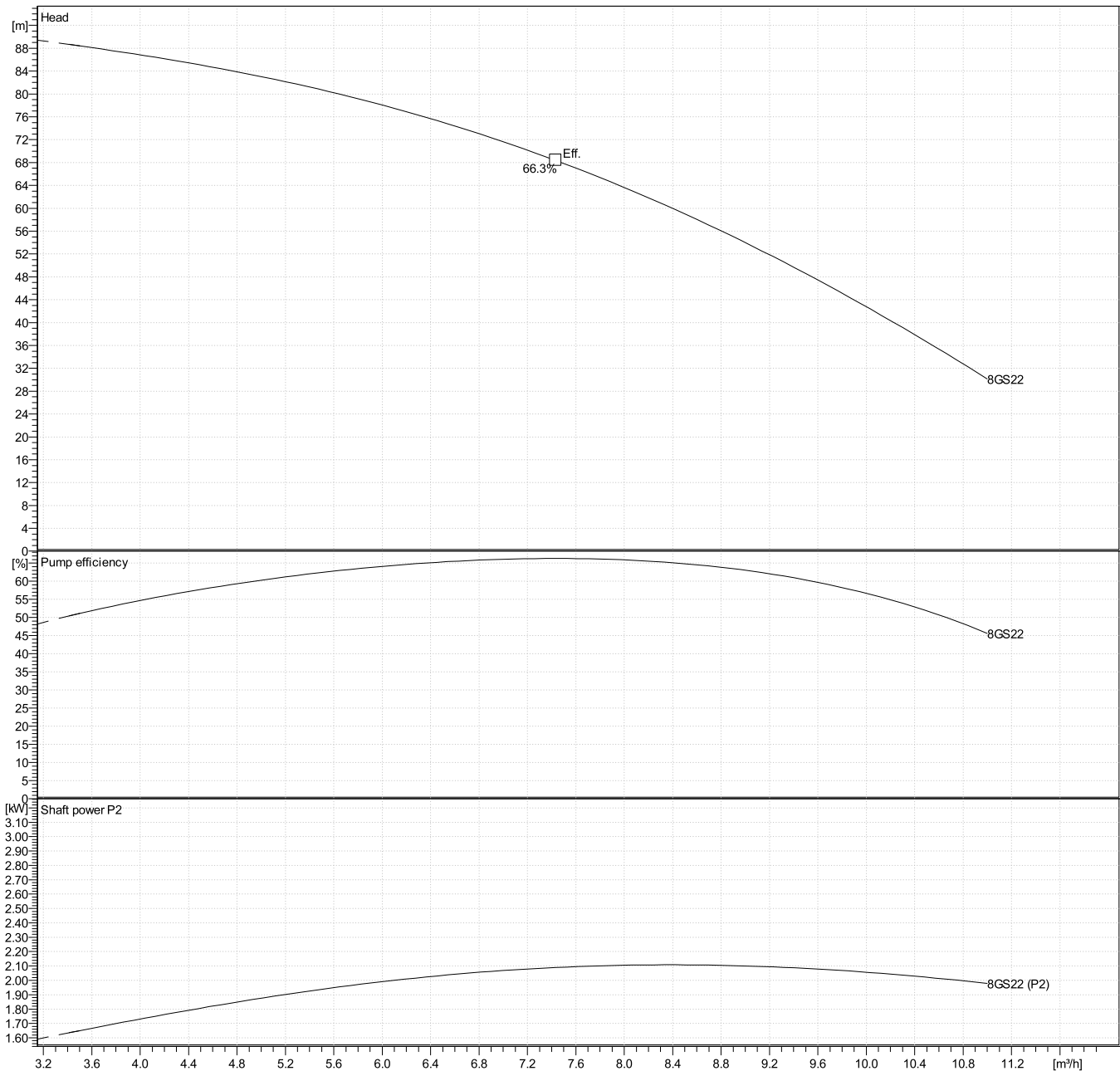
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1/7/2021 104152730		
<b>Operating Data Specification</b>	<b>Hydraulic data (duty point)</b>	<b>Impeller design</b>
Flow Head Static head	0 m <sup>3</sup> /h 0 m 0 m MEI >=0,4	Impeller R Frequency Speed
		0 mm 50 Hz 2900 rpm

**Power data referred to:**

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

Performance according to ISO 9906:2012 – Grade 3B



### 8GS22M-L4C

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#### Dimensions

mm

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

