

## 12GS22M-L4C

Company Contact Phone number Email			Customer Contact Phone number Email			Date Item no. Project Project no.			1/7/2021	
<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	Environmental temperature	°C	20			Solids			0	
8	Available system NPSH	m	0			Altitude			m 0	
<b>Pump data</b>										
9	Pump designation	12GS22M-L4C			Impeller Ø			Max.	mm	
10	Design	Borehole pumps						designed	mm	
11	Make	Lowara			Flow			Min.	mm	
12	Speed	rpm	2900					Nominal	m <sup>3</sup> /h ( )	
13	Number of stages	14			Head			Max-	m <sup>3</sup> /h 15	
14	Suction nozzle	/ /						Min-	m <sup>3</sup> /h 6	
15	Discharge nozzle	/ /			Shaft power			Nominal	m	
16	Max. casing pressure	kPa						at Qmax	m 25.2	
17	Max. working pressure	kPa	725			Max. shaft power			at Qmin	m 64.9
18	Impeller type				kW ( )					
19	Impeller design				Efficiency			%		
20	Head H(Q=0)	m	74			NPSH 3%			m	
21	Weight	kg	23							
<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			Technopolymer PU		
27	Adapter ring	Technopolymer PPO			Diffuser			Technopolymer PPO		
28	Upper bush bracket	Technopolymer PPO			Impeller			Technopolymer 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	Technopolymer 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			°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								
<b>Base plate</b>					<b>Remarks:</b>					
46	Name									
47	Weight	kg								

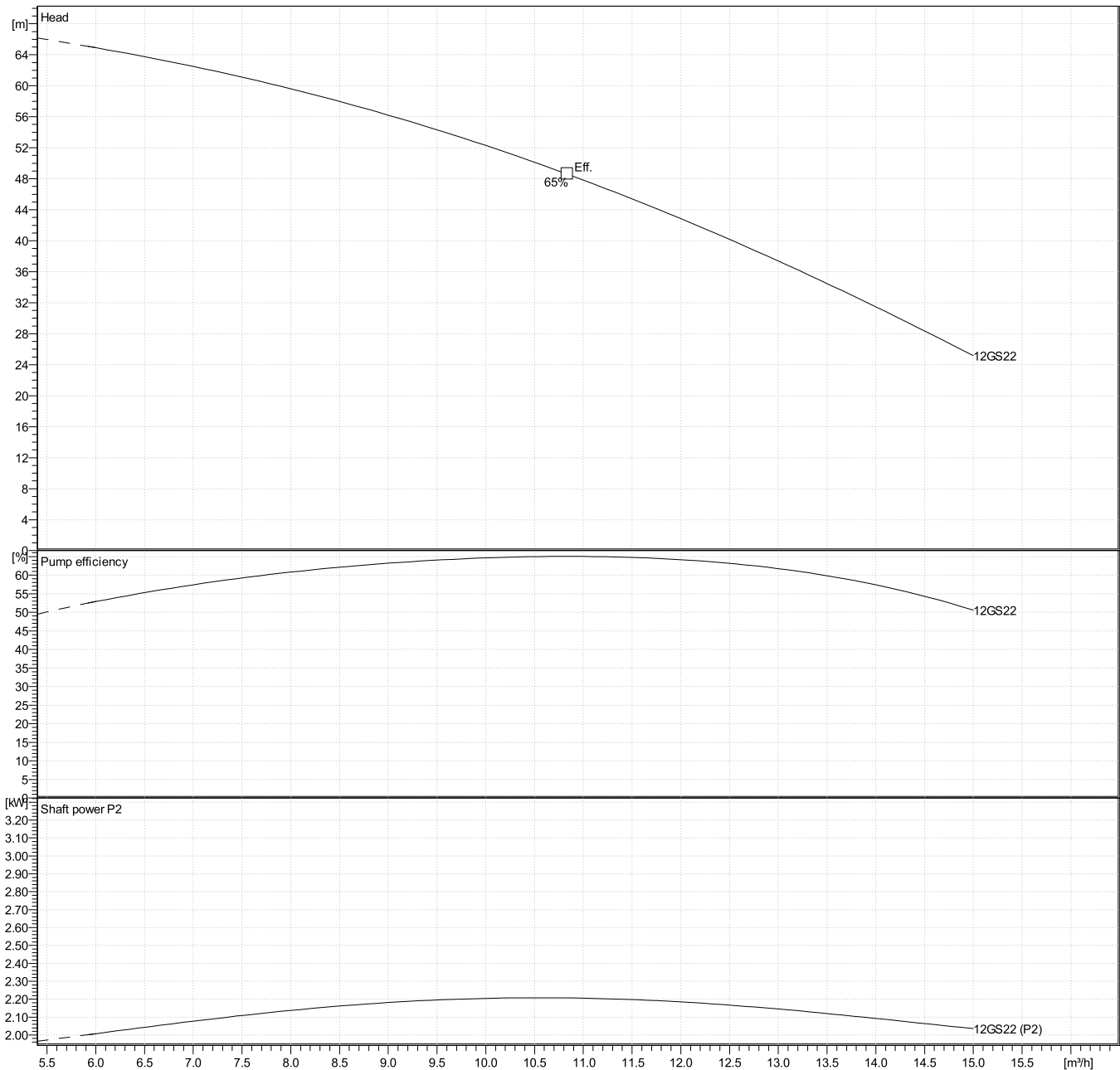
## 12GS22M-L4C

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<b>Operating Data Specification</b>	<b>Hydraulic data (duty point)</b>	<b>Impeller design</b>
Flow Head Static head	Flow Head MEI >=0,4	Impeller R Frequency Speed
0 m³/h 0 m 0 m		0 mm 50 Hz 2900 rpm

**Power datas referred to:**

Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s

Performance according to ISO 9906:2012 – Grade 3B



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#### Dimensions

mm

DNM L	Rp 2 1353					Suction side / PN	
						Discharge side / PN	
						Weight	22.9kg

