

12GS11M-L4C

Company Contact Phone number Email			Customer Contact Phone number Email			Date Item no. Project Project no.			1/7/2021
Operating data									
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 ³ /h	0			pH-v value at t A			7
4	Nominal head	m	0			Density at t A			kg/m ³ 1000
5	Static head	m	0			Kin. viscosity at t A			mm ² /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
Pump data									
9	Pump designation	12GS11M-L4C			Impeller Ø			Max.	mm
10	Design	Borehole pumps						designed	mm
11	Make	Lowara			Flow			Min.	mm
12	Speed	rpm	2900					Nominal	m ³ /h
13	Number of stages	7			Head			Max-	m ³ /h 15
14	Suction nozzle	/ /						Min-	m ³ /h
15	Discharge nozzle	/ /			Shaft power			Nominal	m
16	Max. casing pressure	kPa						at Qmax	m
17	Max. working pressure	kPa	359.4		Max. shaft power			at Qmin	m 31.2
18	Impeller type							kW	
19	Impeller design				Efficiency			%	
20	Head H(Q=0)	m	37		NPSH 3%			m	
21	Weight	kg	16						
Materials									
22	Pump								
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									
Motor data					Cable				
39	Manufacturer	Lowara		Electric voltage	220 V		Cable type		
40	Specific design	1 phase submersible canned motor (e-GS)			Cable cross section			mm ²	
41	Type	L4C11M235		Electric current	8 A		Environmental temperature °C 20		
42	Rated power	1.1 kW		Degree of protection	IP68		Cable length		
43	Speed	2820 rpm		Insulation class	155 (F)				
44	Frame size	56							
45	Weight	0 kg							
Base plate					Remarks:				
46	Name								
47	Weight	kg							

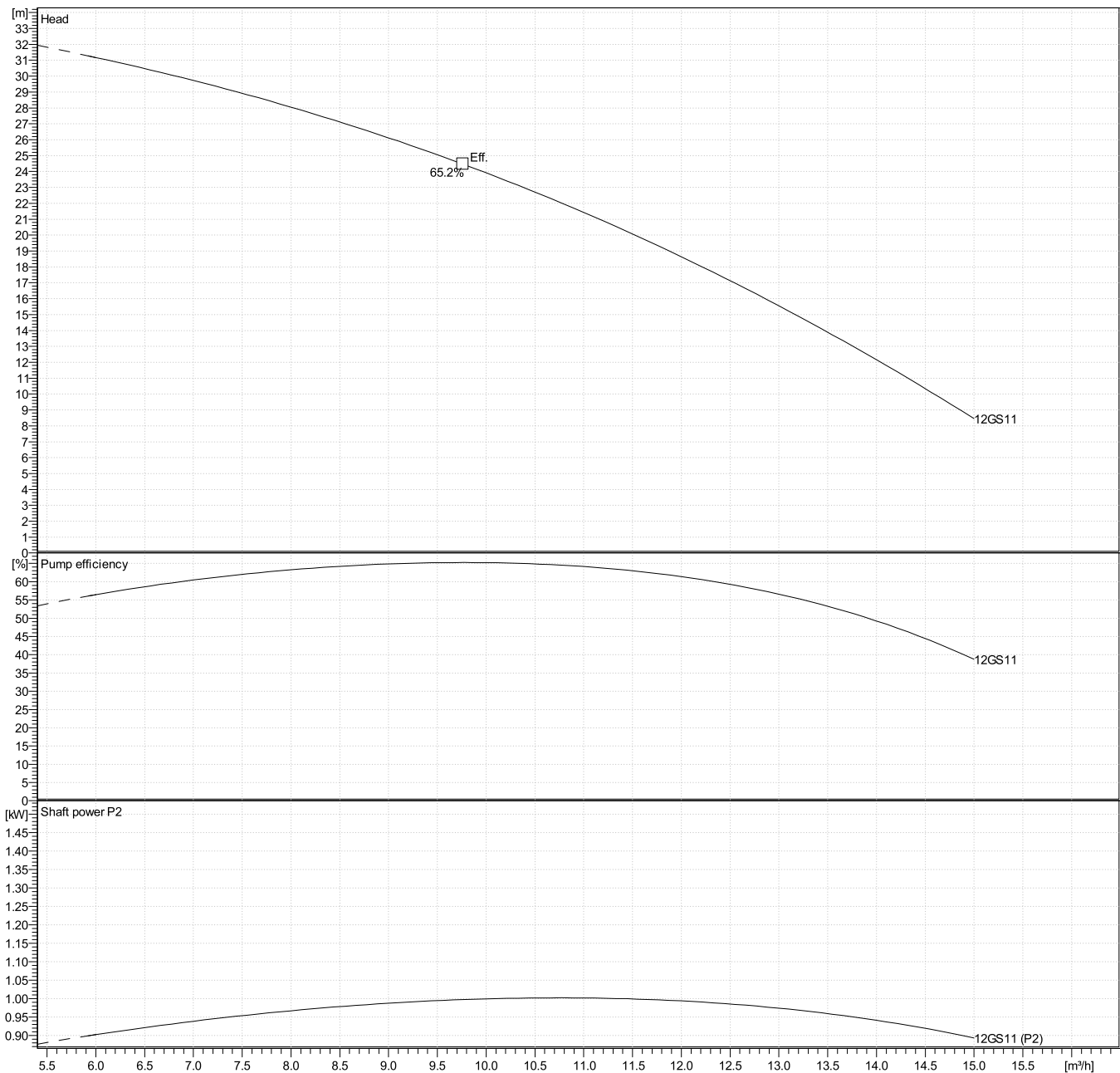
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Operating Data Specification	Hydraulic data (duty point)	Impeller design
Flow Head Static head	0 m ³ /h 0 m 0 m MEI >=0,4	Impeller R Frequency Speed
		0 mm 50 Hz 2900 rpm

Power datas refered 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 2 870					Suction side / PN	
						Discharge side / PN	
						Weight	16kg

