

4GS22M-L4C

Company Contact Phone number Email	Customer Contact Phone number Email	Date Item no. Project Project no.	1/7/2021
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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	4GS22M-L4C		
10	Design	Borehole pumps	Impeller Ø	Max. mm 72
11	Make	Lowara		designed mm 72
12	Speed	rpm 2900		Min. mm 72
13	Number of stages	27	Flow	Nominal m ³ /h ()
14	Suction nozzle	/ /		Max- m ³ /h 5.4
15	Discharge nozzle	/ /		Min- m ³ /h
16	Max. casing pressure	kPa	Head	Nominal m
17	Max. working pressure	kPa 1771.3		at Qmax m 57.4
18	Impeller type			at Qmin m 180.6
19	Impeller design		Shaft power	kW ()
20	Head H(Q=0)	m 180	Max. shaft power	kW 2.2
21	Weight	kg 22	Efficiency	%
			NPSH 3%	m

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	bracket_pos22 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

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

Cable

	Cable type	
	Cable cross section	mm ²
	Environmental temperature	°C 20
	Cable length	0

Base plate

46	Name		Remarks:
47	Weight	kg	

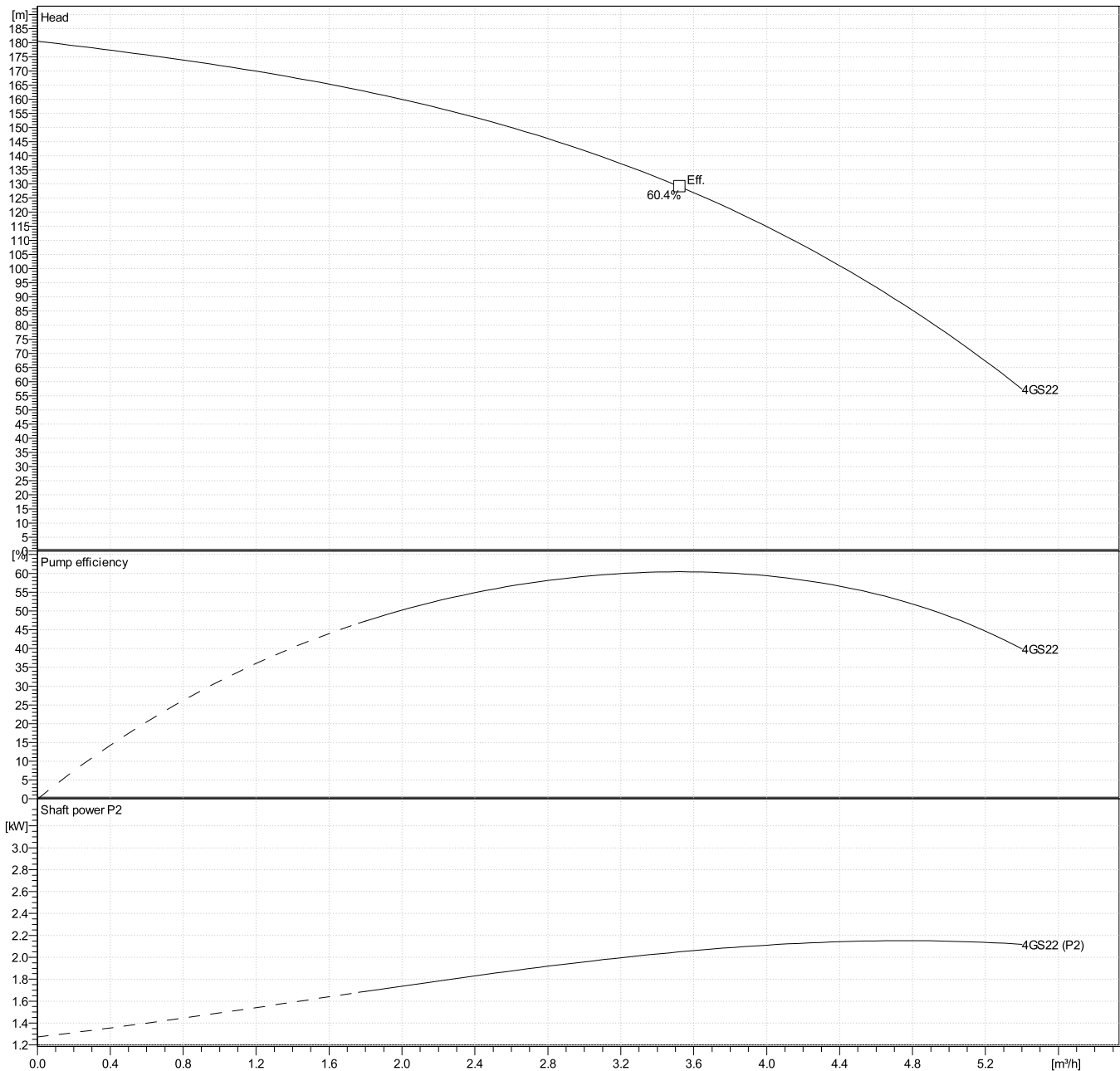
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Operating Data Specification	Hydraulic data (duty point)	Impeller design
Flow Head Static head	0 m ³ /h 0 m 0 m MEI >=0,4	Impeller R Frequency Speed
		72 mm 50 Hz 2900 rpm

Power data 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 1 ¼ 1181					Suction side / PN
						Discharge side / PN
						Weight 21.8kg

