

4GS05M-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	Env ironmental temperature	°C 20	Solids	0
8	Av ailable system NPSH	m 0	Altitude	m 0

Pump data

9	Pump designation	4GS05M-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	7	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 459.2		at Qmax m 14.9
18	Impeller type			at Qmin m 46.8
19	Impeller design		Shaft power	kW ()
20	Head H(Q=0)	m 47	Max. shaft power	kW .6
21	Weight	kg 11	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	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	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	L4C05M235	Electric current	4.3 A
42	Rated power	0.55 kW	Degree of protection	IP68
43	Speed	2810 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	

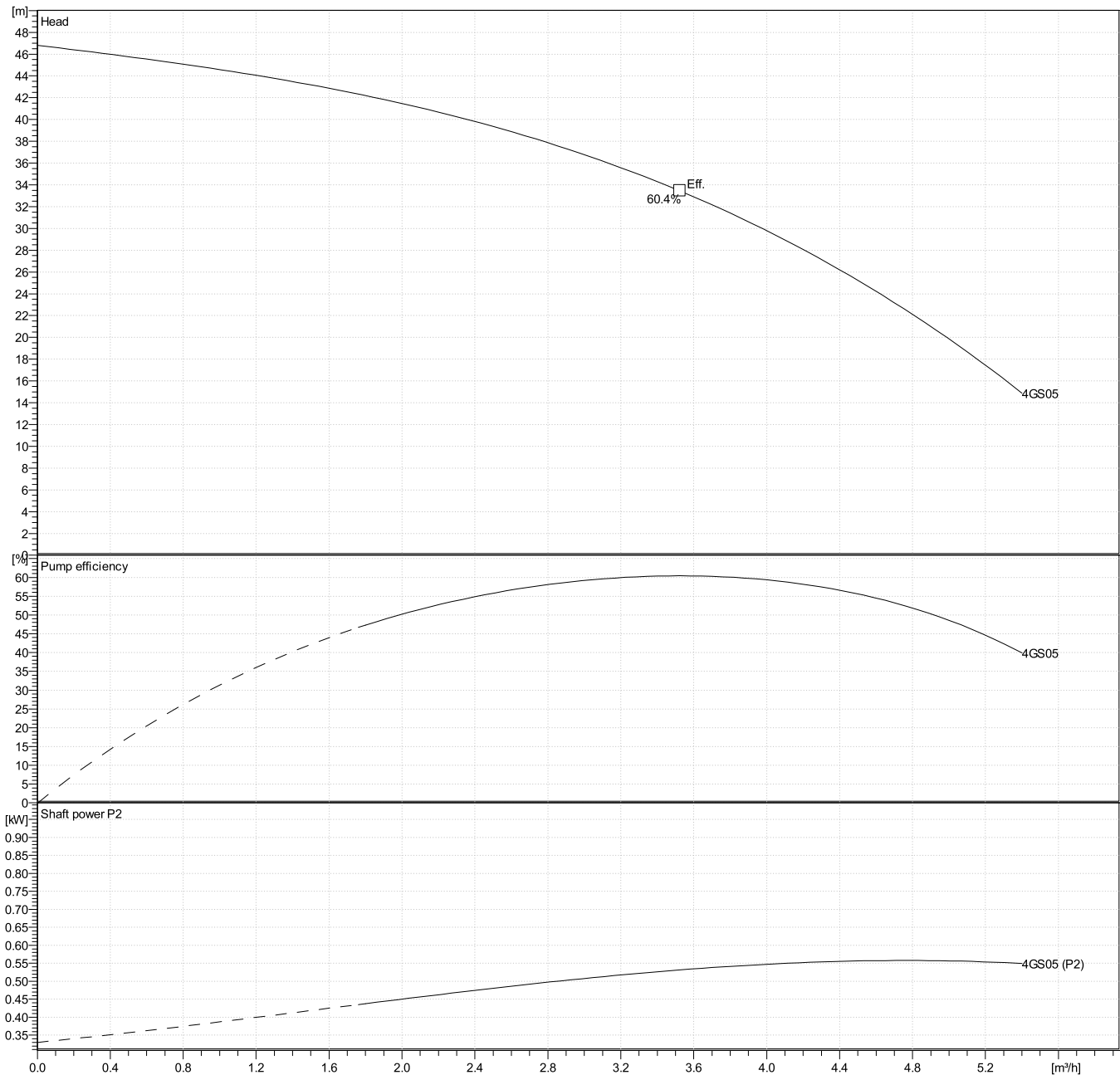
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Operating Data Specification	Hydraulic data (duty point)	Impeller design
Flow Head Static head	0 m ³ /h 0 m 0 m	Flow Head MEI >=0,4
		Impeller R Frequency Speed
		72 mm 50 Hz 2900 rpm

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 1 ¼ 573					Suction side / PN	
						Discharge side / PN	
						Weight	10.9kg

