

8GS40T-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	8GS40T-L4C							
10	Design	Borehole pumps			Impeller Ø	Max.		mm	
11	Make	Lowara				designed		mm	
12	Speed	rpm 2900				Min.		mm	
13	Number of stages	28			Flow	Nominal		m ³ /h ()	
14	Suction nozzle	/ /				Max-		m ³ /h 11	
15	Discharge nozzle	/ /				Min-		m ³ /h 3.5	
16	Max. casing pressure	kPa			Head	Nominal		m	
17	Max. working pressure	kPa 1853.1				at Qmax		m 57.5	
18	Impeller type					at Qmin		m 168.7	
19	Impeller design				Shaft power		kW ()		
20	Head H(Q=0)	m 190			Max. shaft power		kW 4.2		
21	Weight	kg 35			Efficiency		%		
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	3 phase submersible canned motor (e-GS)			Cable cross section			mm ²	
41	Type	L4C40T235		Electric current	16.4 A		Environmental temperature °C 20		
42	Rated power	4 kW		Degree of protection	IP68		Cable length 0		
43	Speed	2840 rpm		Insulation class	155 (F)				
44	Frame size	56							
45	Weight	0 kg							
Base plate					Remarks:				
46	Name								
47	Weight	kg							

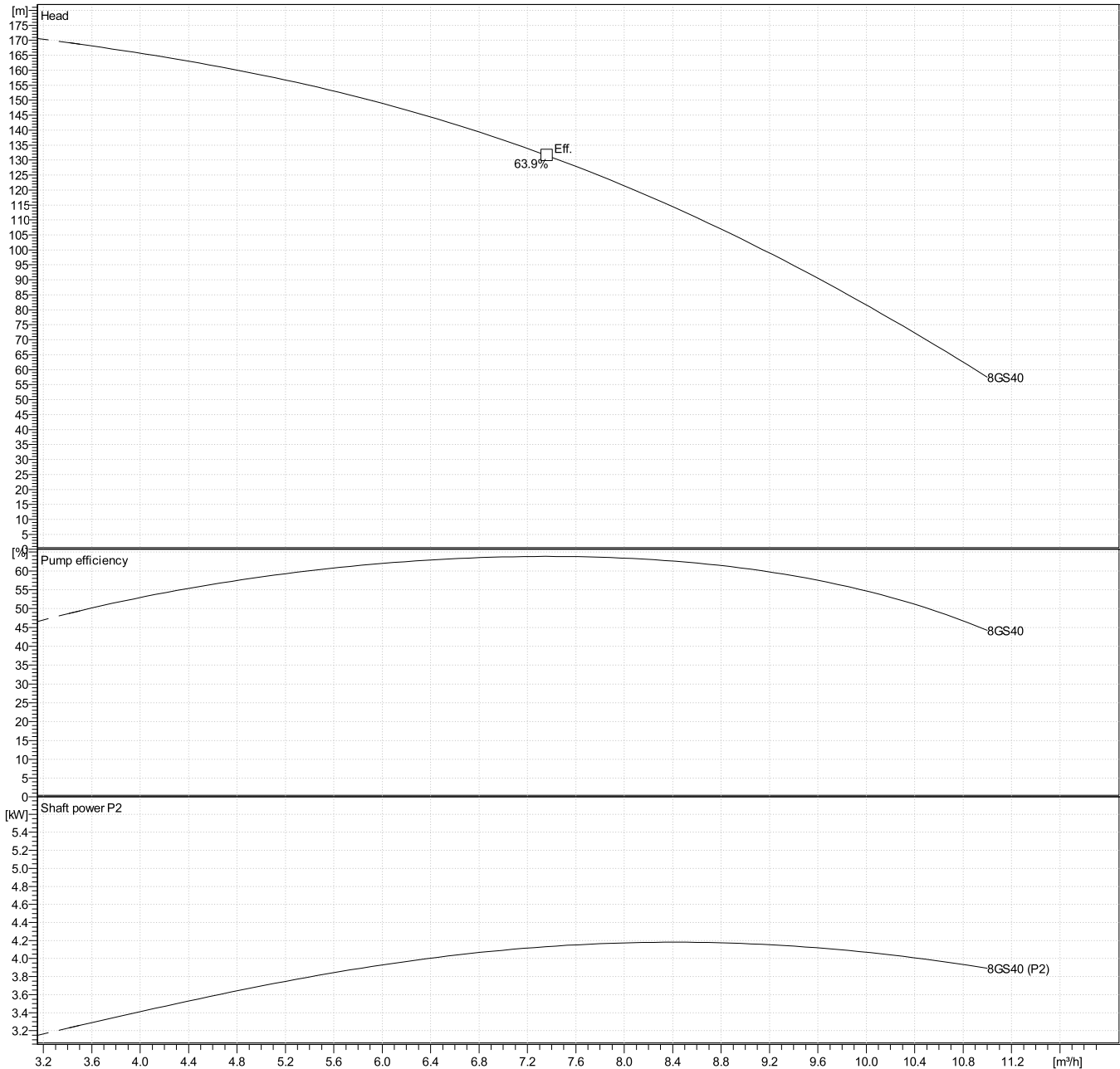
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Operating Data Specification	Hydraulic data (duty point)	Impeller design
Flow Head Static head	0 m ³ /h 0 m 0 m MEI >=0,4	Impeller R Frequency Speed
		0 mm 50 Hz 2900 rpm

Power datas 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 1713					Suction side / PN	
						Discharge side / PN	
						Weight	34.5kg

