

12GS40T-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	Env ironmental temperature	°C	20	Solids		0	
8	Av ailable system NPSH	m	0	Altitude		m 0	
Pump data							
9	Pump designation	12GS40T-L4C		Impeller Ø		Max. mm	
10	Design	Borehole pumps		designed		mm	
11	Make	Lowara		Min.		mm	
12	Speed	rpm	2900	Flow		Nominal m ³ /h ()	
13	Number of stages	25		Max-		m ³ /h 15	
14	Suction nozzle	/ /		Min-		m ³ /h 6	
15	Discharge nozzle	/ /		Head		Nominal m	
16	Max. casing pressure	kPa		at Qmax		m 45.5	
17	Max. working pressure	kPa	1300.2	at Qmin		m 116.5	
18	Impeller type			Shaft power		kW ()	
19	Impeller design			Max. shaft power		kW 3.9	
20	Head H(Q=0)	m	130	Efficiency		%	
21	Weight	kg	39	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		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					

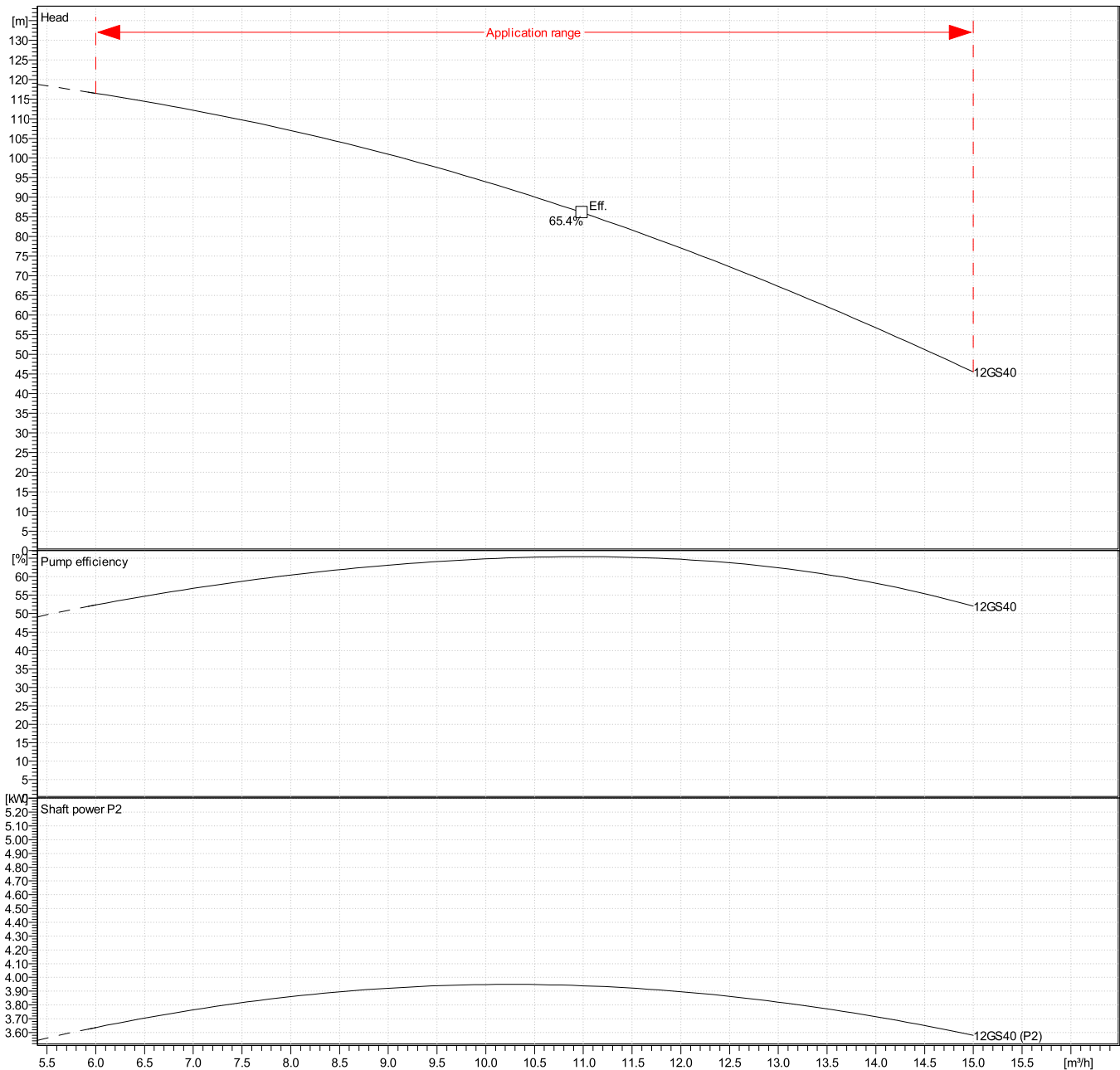
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Operating Data Specification Flow Head Static head	Hydraulic data (duty point) Flow Head MEI >=0,4	Impeller design Impeller R Frequency Speed	0 m ³ /h 0 m 0 m 0 mm 50 Hz 2900 rpm

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	Rp 2 2143					Suction side / PN
L						Discharge side / PN
						Weight 38.5kg

