

12GS40T/B-L4C

Company Contact Phone number Email				Customer Contact Phone number Email				Date Item no. Project Project no.				
								2017-05-08 104153330				
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			m³/h 14.5				pH-value at t A			7	
4	Nominal head			m 50				Density at t A			kg/m³ 1000	
5	Static head			m 0				Kin. viscosity at t A			mm²/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 1000	
Pump data												
9	Pump designation			12GS40T/B-L4C				Impeller ?			Max. mm	
10	Design			Submersible electric pumps				designed			mm	
11	Make			Lowara				Min.			mm	
12	Speed			rpm 2900				Nominal			m³/h 14.6 (14.6)	
13	Number of stages			25				Max-			m³/h 15	
14	Suction nozzle			/ /				Min-			m³/h 6	
15	Discharge nozzle			/ /				Nominal			m 50.5	
16	Max. casing pressure			kPa				at Qmax			m 45.5	
17	Max. working pressure			kPa 1300.1				at Qmin			m 116.5	
18	Impeller type							Shaft power			kW 3.6 (3.6)	
19	Impeller design							Max. shaft power			kW 3.9	
20	Head H(Q=0)			m 130				Efficiency			% 54.99	
21	Weight			kg 16				NPSH 3%			m	
Materials												
22	Pump											
23	Delivery Port			Stainless steel				Filter			Stainless steel	
24	Valve cap			Stainless steel				Adapter			Stainless steel	
25	Valve support			Stainless steel				Coupling			Stainless steel	
26	Valve gasket			Nitrile rubber (NBR)				Cable cover screw			Stainless steel	
27	Valve locking ring			Stainless steel				Cable cover			Stainless steel	
28	Upper support			Technopolymer								
29	Bush Bearing			Technopolymer								
30	Split ring			Stainless steel								
31	Diffuser			Technopolymer								
32	impeller			Technopolymer								
33	Stage housing			Stainless steel								
34	Shim			Stainless steel								
35	Pump shaft			Stainless steel								
37	Outer sleeve			Stainless steel								
36	SPACER			Stainless steel								
38												
Motor data												
39	Manufacturer			Lowara			Electric voltage			400 V		
40	Specific design			4" / 3~ submersible canned motor (50hz)						Cable type		
41	Type			L4C40T405			Electric current			10 A		
42	Rated power			4 kW			Degree of protection			IP68		
43	Speed			2850 rpm			Insulation class			F		
44	Frame size			4								
45	Weight			0 kg								
Cable												
Cable type												
Cable cross section mm²												
Environmental temperature °C 20												
Cable length 0												
Base plate												
Remarks:												
46	Name											
47	Weight			kg								

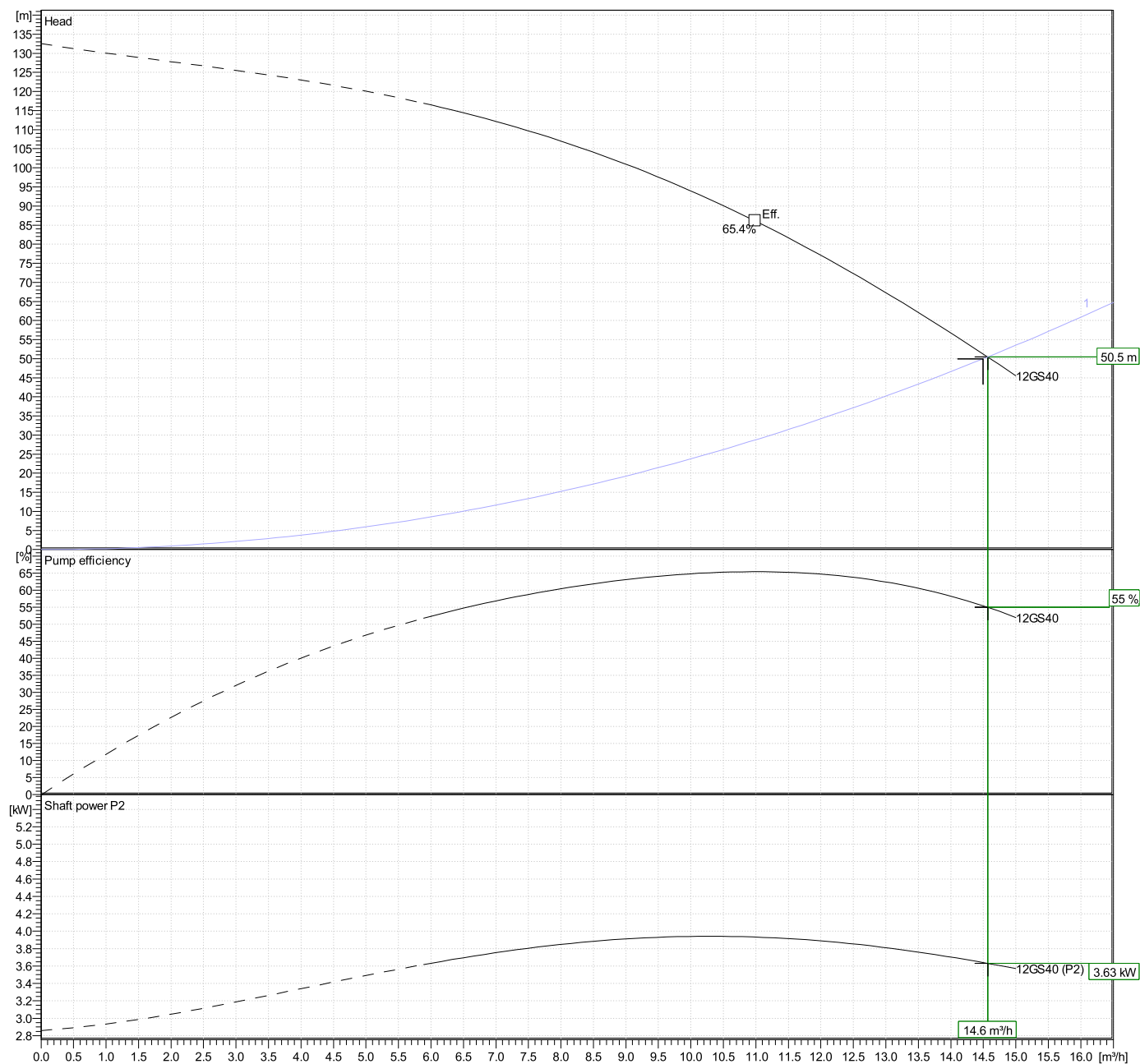
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Operating Data Specification		Hydraulic data (duty point)	
Flow	14.5 m³/h	Flow	14.6 m³/h
Head	50 m	Head	50.5 m
Static head	0 m	MEI >=0,4	
		Impeller design	
		Impeller R	0 mm
		Frequency	50 Hz
		Speed	2900 rpm

Power datas referred to:

Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s

Performance according to ISO 9906 - Annex A



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Dimensions

mm

DNM	Rp 2					Suction side	
L	2141					/ PN	
						Discharge side	
						/ PN	
						Weight	15.5kg

