

## 12GS30T-L4C

Company Contact Phone number Email			Customer Contact Phone number Email			Date Item no. Project Project no.			1/7/2021
<b>Operating data</b>									
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 <sup>3</sup> /h	0			pH-v value at t A			7
4	Nominal head	m	0			Density at t A			kg/m <sup>3</sup> 1000
5	Static head	m	0			Kin. viscosity at t A			mm <sup>2</sup> /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
<b>Pump data</b>									
9	Pump designation	12GS30T-L4C			Impeller Ø		Max.	mm	
10	Design	Borehole pumps					designed	mm	
11	Make	Lowara					Min.	mm	
12	Speed	rpm	2900			Flow		Nominal	m <sup>3</sup> /h ( )
13	Number of stages	19			Max-			m <sup>3</sup> /h 15	
14	Suction nozzle	/ /			Min-			m <sup>3</sup> /h 6	
15	Discharge nozzle	/ /			Head		Nominal	m	
16	Max. casing pressure	kPa					at Qmax	m 35.6	
17	Max. working pressure	kPa	985.3				at Qmin	m 88	
18	Impeller type				Shaft power		kW	( )	
19	Impeller design				Max. shaft power		kW	3	
20	Head H(Q=0)	m	100			Efficiency		%	
21	Weight	kg	32			NPSH 3%		m	
<b>Materials</b>									
22	<b>Pump</b>								
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									
<b>Motor data</b>					<b>Cable</b>				
39	Manufacturer	Lowara	Electric voltage	220 V	Cable type				
40	Specific design	3 phase submersible canned motor (e-GS)			Cable cross section		mm <sup>2</sup>		
41	Type	L4C30T235	Electric current	13.7 A	Environmental temperature		°C	20	
42	Rated power	3 kW	Degree of protection	IP68	Cable length		0		
43	Speed	2830 rpm	Insulation class	155 (F)					
44	Frame size	56							
45	Weight	0 kg							
<b>Base plate</b>					<b>Remarks:</b>				
46	Name								
47	Weight	kg							

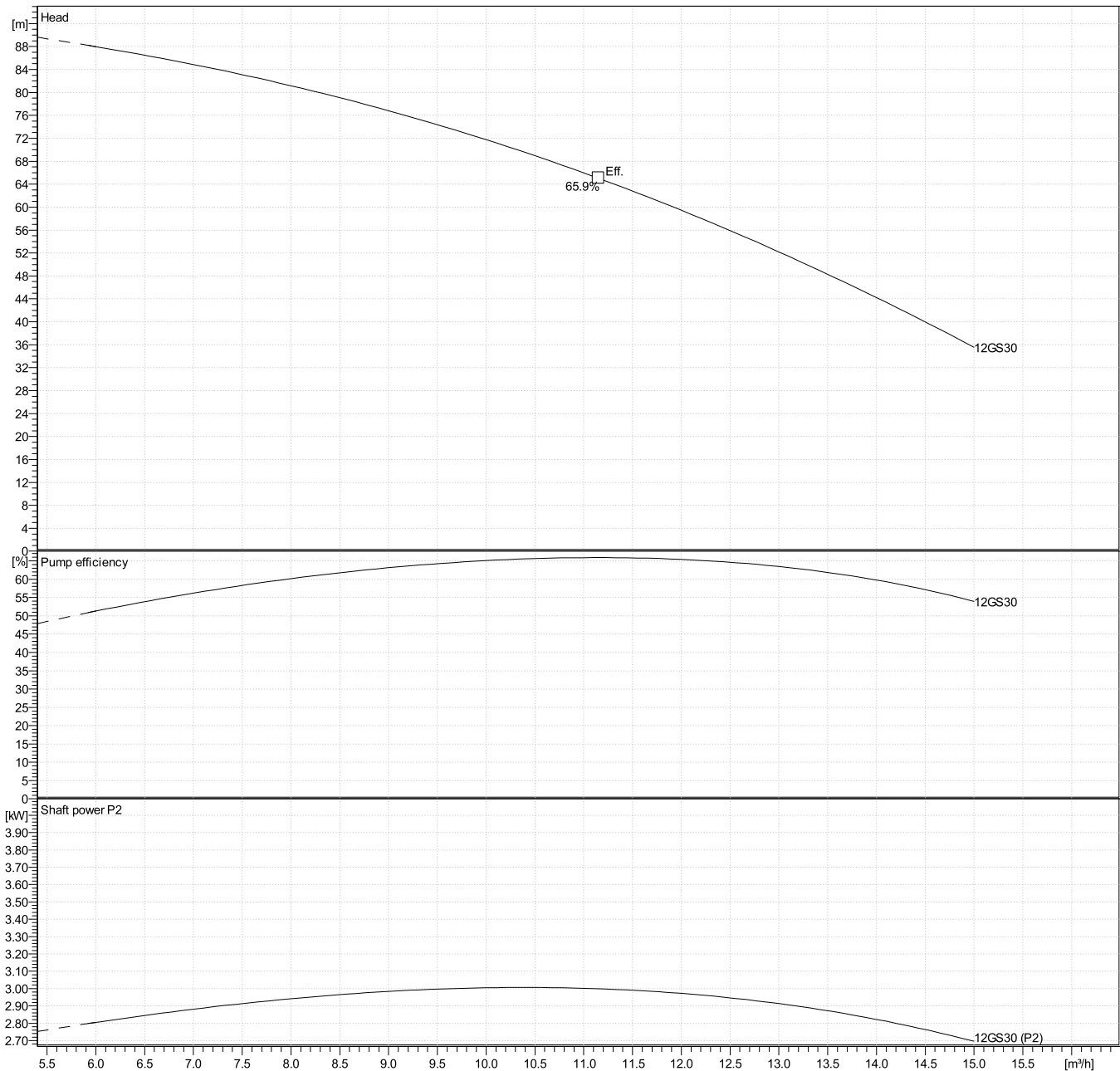
## 12GS30T-L4C

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

**Power datas refered to:**

Water, pure [100%] ; 4°C; 1000kg/m<sup>3</sup>; 1.57mm<sup>2</sup>/s

Performance according to ISO 9906:2012 – Grade 3B



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### Dimensions

mm

DNM L	Rp 2 1744					Suction side / PN	
						Discharge side / PN	
						Weight	31.7kg

