

## 2GS05M-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	2GS05M-L4C			Impeller Ø			Max.	mm	76	
10	Design	Borehole pumps						designed	mm	76	
11	Make	Lowara						Min.	mm	76	
12	Speed	rpm	2900			Flow			Nominal	m <sup>3</sup> /h ( )	
13	Number of stages	10			Max-				m <sup>3</sup> /h	3	
14	Suction nozzle	/ /			Min-				m <sup>3</sup> /h		
15	Discharge nozzle	/ /			Head			Nominal	m		
16	Max. casing pressure	kPa						at Qmax	m	26.8	
17	Max. working pressure	kPa	654.6					at Qmin	m	66.7	
18	Impeller type				Shaft power			kW	( )		
19	Impeller design				Max. shaft power			kW	.5		
20	Head H(Q=0)	m	67			Efficiency			%		
21	Weight	kg	11			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	1 phase submersible canned motor (e-GS)			Cable cross section			mm <sup>2</sup>			
41	Type	L4C05M235	Electric current	4.3 A	Environmental temperature			°C 20			
42	Rated power	0.55 kW	Degree of protection	IP68	Cable length			0			
43	Speed	2810 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									

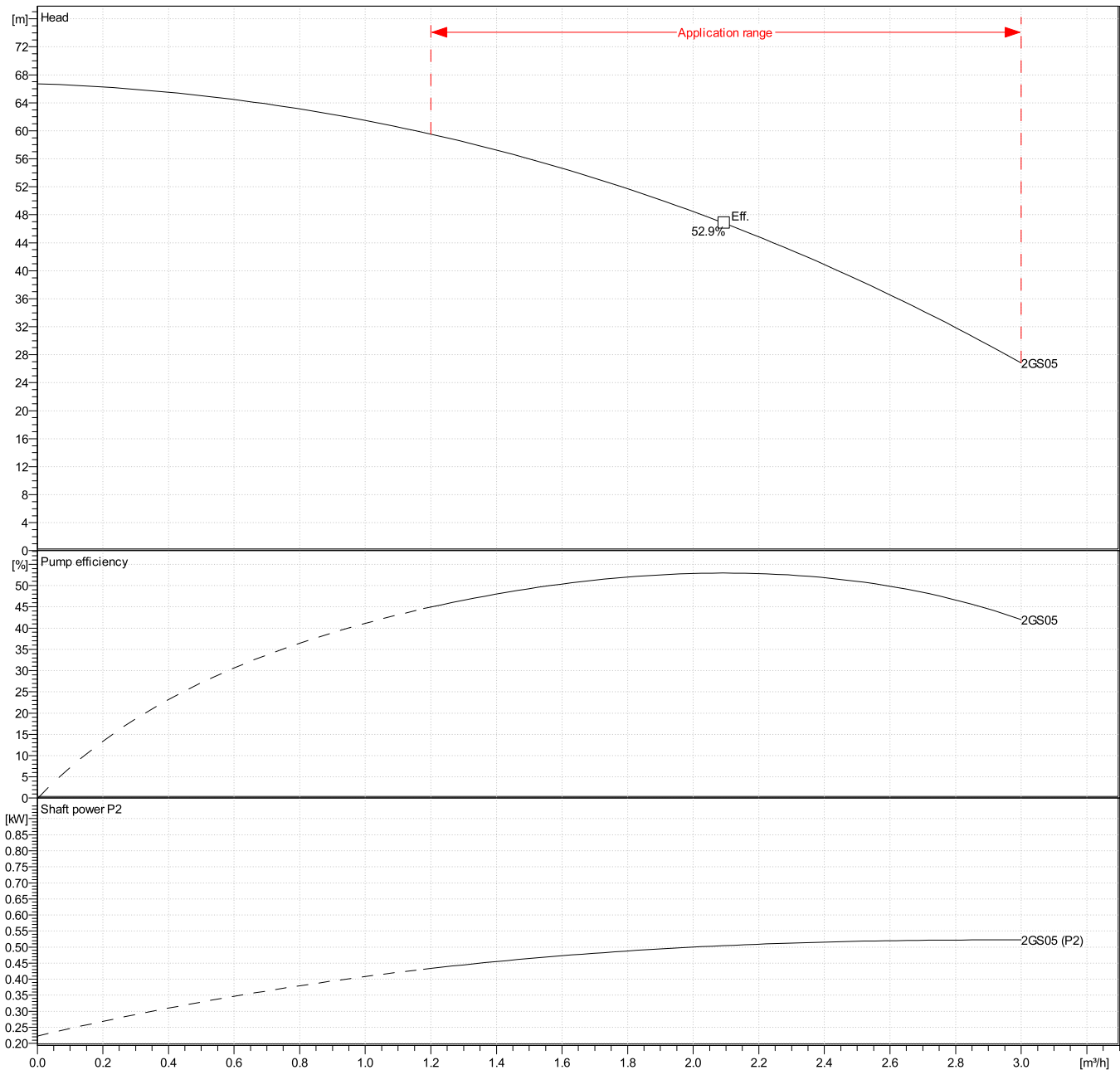
## 2GS05M-L4C

Company Contact Phone number Email	Customer Contact Phone number Email	Date Item no. Project Project no.	1/7/2021
<b>Operating Data Specification</b> Flow Head Static head	<b>Hydraulic data (duty point)</b> Flow Head MEI $\geq 0,4$	<b>Impeller design</b> Impeller R Frequency Speed	76 mm 50 Hz 2900 rpm

**Power datas referred 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



## 2GS05M-L4C

Company Contact Phone number Email	Customer Contact Phone number Email	Date Item no. Project Project no.	1/7/2021
---	--	--	----------

### Dimensions

mm

DNM L	Rp 1 ¼ 596					Suction side / PN	
						Discharge side / PN	
						Weight	11.3kg

