

2GS11T-L4C

Technical data

Company name
Contact
Phone number
e-mail address

Operating data

1	Pumpe type	Single head pump	Fluid	Water, pure
2	No. of pumps	1	Operating temperature t A	°C 4
3	Nominal flow	l/s 0	pH-value at t A	7
4	Nominal head	m 0	Density at t A	kg/dm³ 1
5	Static head	m 0	Kin. viscosity at t A	mm²/s 1.569
6	Inlet pressure	bar 0	Vapor pressure at t A	bar 1
7	Environmental temperature	°C 20	Solids	0
8	Available system NPSH	m 0	Altitude	m 0

Pump data

9	Design	Borehole pumps		
10	Execution			
11	Operating speed	1/min 2900	Impeller Ø	Max. mm
12	Number of stages	20		designed mm
13	Max. working pressure	bar 13.1		Min. mm
14	Head H(Q=0)	m 130	Flow	Nominal l/s ()
15	Max. shaft power	kW 1		Max- l/s .8
16	NPSH 3%	m		Min- l/s
17	Total weight	kg 13.7	Head	Nominal m
18				at Qmax m 53.7
19				at Qmin m 133.4
20			Shaft power	kW
21			Power input	kW
			Efficiency	%

Materials

Pump		Submersible motor	
23	Valve cap	Stainless steel / AISI 304	Upper bracket
24	Valve gasket	NBR	Cast iron, EN-JL1030, Class 25 B
25	Valve flange	Stainless steel / AISI 304	Spacer
26	Valve locking ring	Stainless steel / AISI 302	Cable
27	Adapter ring	Technopolymer PPO	Shaft end
28	Upper bush bracket	Technopolymer PPO	Elastomers
29	Thrust bearing	Stainless steel / AISI 304	Motor sleeve
30	WASHER	Stainless steel / AISI 304	Lower bracket
31	Intermediate bush bracket_pos9	Technopolymer PPO	
32	Shaft Sleeve	Stainless steel / AISI 304	
33	Sleeve	Stainless steel / AISI 304	
34	Upper sleeve	Stainless steel / AISI 304	
35	Pump shaft	Stainless steel / AISI 304	
36	Coupling	Stainless steel / AISI 304	
37	Strainer	Stainless steel / AISI 304	
38	Motor adapter	Stainless steel / CF-8 ASTM A743	
39	Discharge head	Stainless steel / CF-8 ASTM A743	
40	Screws, nuts, washers	Stainless steel / AISI 316	
41	BUSH	Technopolymer PU	

Motor data

42	Manufacturer	Lowara	Type	L4C11T405/A
43	Specific design	AISI 304 - 3ph water filled encapsulated motors		
44	Rated power	1.1 kW	Phases	3
45	Corrected motor power	1 kW	No. starts / h	max. 20
46	coolant speed	min. 0.3 m/s	Weight	8.2 kg
47	Rated current	3.2 A	Electric voltage	400 V
48	Reduced current	3.2 A	Starting mode	Directly
49	Degree of protection	IP68	Nominal speed	2785 1/min
50				

Remarks

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Project	Xylect-22271269	Created by	João Santos	Last update	5/10/2024
Block	2GS11M-L4C	Created on	5/10/2024		

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Performance curve

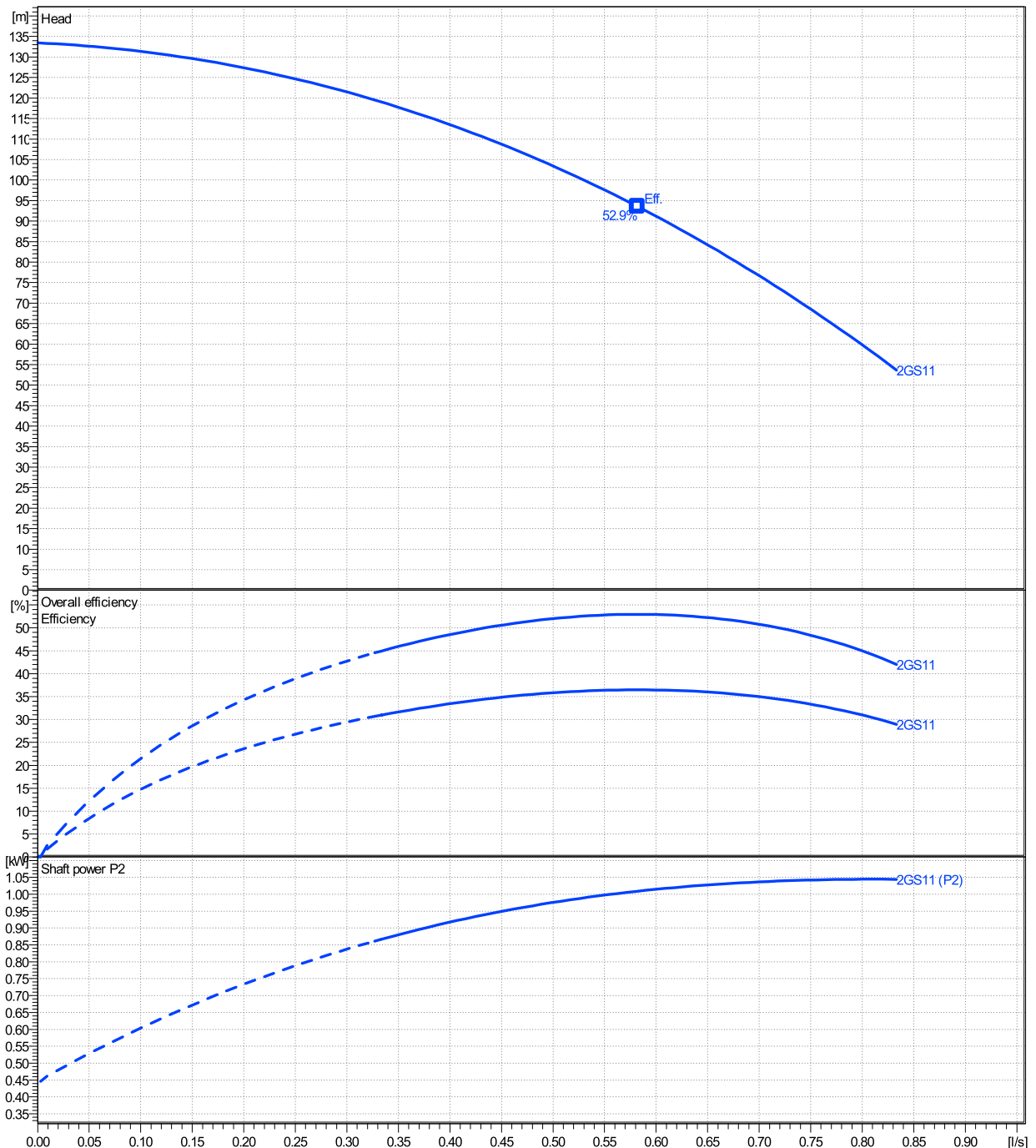
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	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency	Hz	50
		Operating range Min. l/s	Max. l/s	η Max. l/s	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	1/min	2900
actual	76	0.333	0.833	0.582	133	93.5		1.04	1.01	Nominal flow	l/s	0
Min.	0	/	/	0.582	133	93.5		/	1.01	Nominal head	m	0
Max.	76	/	/	0.582	133	93.5		/	1.01	Inlet pressure	bar	0
										Static head	m	0

Power datas referred to:

hydr. Performance acceptance acc. To EN ISO 9906 Class Grade

Water, pure [100%] ; 4°C; 1kg/dm³; 1.57mm²/s



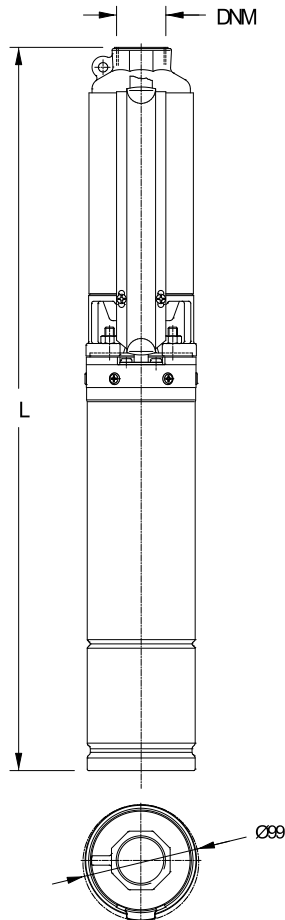
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Dimensions

Company name
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Pump with motor

AISI 304 - 3ph water filled encapsulated motors
L4C11T405/A



Dimensions [mm]	
DNM	Rp 1 ¼
L	791

Weight (+/- 5%) [kg]	
Total weight	13.7

Connections	
Suction nozzle protected by strainer	Discharge nozzle

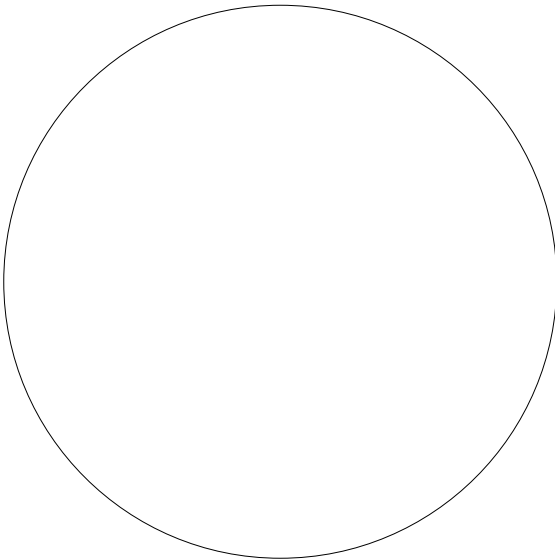
Dimensions and weight without obligation

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Total lifetime	15	Inflation rate (rate of price increases)	2 %
Annual operating time	5600	Interest rate (for investment)	3 %
Energy cost per kWh	0.00 EUR		
Power input P1			

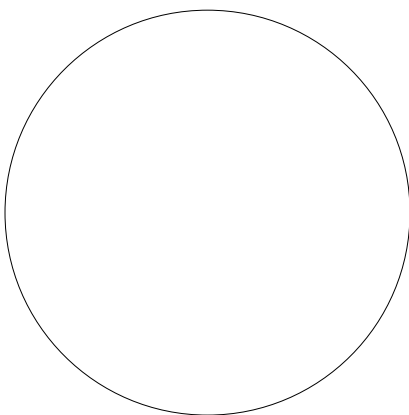
Total costs



0%	0.00 EUR	Energy
0%	0.00 EUR	Installation & commissioning
0%	0.00 EUR	Operating cost
0%	0.00 EUR	Maintenance & repair
0%	0.00 EUR	Downtime
0%	0.00 EUR	Environmental
0%	0.00 EUR	Decommissioning

EUR

First year costs



0%	0.00 EUR	Energy (1st year)
0%	0.00 EUR	Installation & commissioning (1st year)
0%	0.00 EUR	Operating cost (1st year)
0%	0.00 EUR	Maintenance & repair (1st year)
0%	0.00 EUR	Downtime (1st year)
0%	0.00 EUR	Environmental (1st year)
0%	0.00 EUR	Decommissioning (1st year)

EUR

Disclaimer: The calculations and the results are based on user input values and general assumptions and provide only estimated

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