

5SC3/05/5 C L05

Technical data	Company name	
	Contact	
	Phone number	
	e-mail address	

Operating data			
1	Pumpe type	Single head pump	Fluid
2	No. of pumps	1	Water, pure
3	Nominal flow	m ³ /h 0	Operating temperature t A °C 4
4	Nominal head	m 0	pH-value at t A 7
5	Static head	m 0	Density at t A kg/m ³ 1000
6	Inlet pressure	kPa 0	Kin. viscosity at t A mm ² /s 1.569
7	Environmental temperature	°C 20	Vapor pressure at t A kPa 100
8	Available system NPSH	m 0	Solids 0
			Altitude m 0

Pump data			
9	Design	Basins	
10	Execution		
11	Operating speed	rpm 2900	Impeller Ø
12	Number of stages	3	Max. mm 0
13	Suction nozzle	protected by strainer	designed mm
14	Discharge nozzle	/	Min. mm 0
15	Max. casing pressure	kPa	Nominal m ³ /h ()
16	Max. working pressure	kPa 344.7	Max- m ³ /h 7.2
17	Impeller type		Min- m ³ /h 2.4
18	Head H(Q=0)	m 35	Flow
19	Max. shaft power	kW .6	Max- m ³ /h
20	Total weight	kg 13.0	Min- m ³ /h
21			Head
			Nominal m
			at Qmax m 10.8
			at Qmin m 29.9
			Shaft power kW ()
			Efficiency %
			NPSH 3% m

Materials			
22		Pump	
23	Head	Stainless steel / ASTM A743 CF8	Capacitor housing spacer PA66-GF25
24	Capacitor	-	Upper head Technopolymer
25	Connection container	PA66-GF25	Upper bearing support Stainless steel / AISI 304
26	Motor shaft	Stainless steel / AISI 431	Sleeve with wound stator Stainless steel / AISI 304
27	Lower bearing support	Die-cast aluminium	Internal mech. seal (rotary part) Carbographtite
28	Lower head	Technopolymer	Internal mech. seal (fixed part) Steatite
29	Final bowl	Stainless steel / AISI 304	External mech. seal Silicon carbide / Silicon carbide / NBR
30	Diffuser	Stainless steel / AISI 304	Pump shaft Stainless steel / AISI 431
31	Impeller	Technopolymer	Pack locking disk Stainless steel / AISI 304
32	Bush bearing bracket	Technopolymer	Filter Stainless steel / AISI 304
33	Elastomers	Nitrile rubber (NBR)	Sleeve Stainless steel / AISI 304
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Motor data				Cable	
42	Manufacturer	Type	MOT_5SC3/05/5	Cable type	
43	Specific design	Single phase pump motor		Cable cross section	mm ²
44	Rated power	0.55 kW	Phases 1	Environmental temperature	°C 20
45	Corrected motor power	0.55 kW	No. starts / h max. 20	cable length	m
46	coolant speed	min.	Weight 0 kg		
47	Rated current	4.08 A	Electric voltage 220 V		
48	Reduced current	4.08 A	Starting mode Directly		
49	Degree of protection	IP 55	Speed 2850 rpm		
50	motor connection		Installation		

Remarks				

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Performance curve

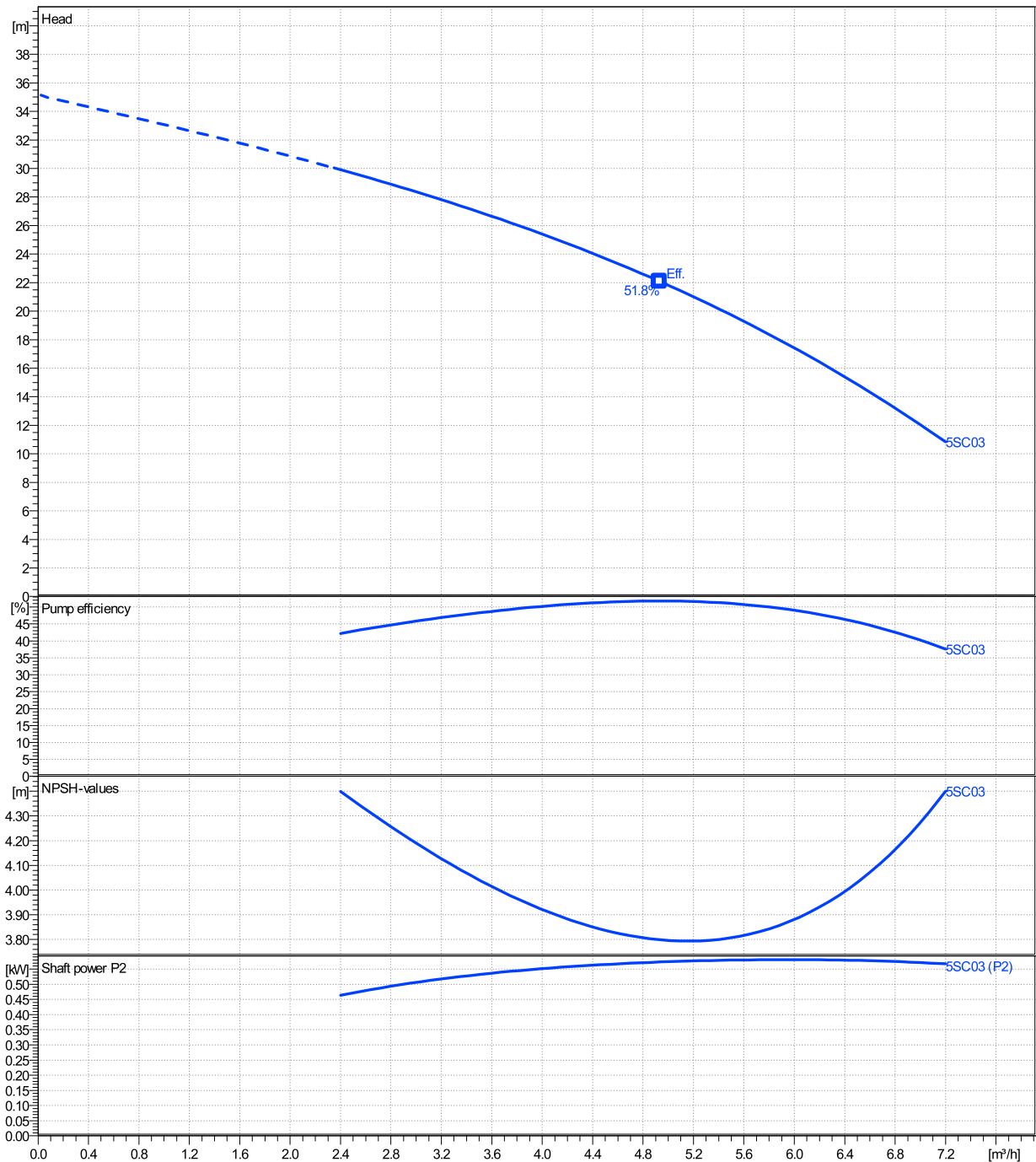
Company name
Contact
Phone number
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	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency	Hz	50
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	2900
actual	0	2.4	7.2	4.93	35.1	22.1		0.581	0.573	Nominal flow	m³/h	0
Min.	0	/	/	4.93	35.1	22.1		/	0.573	Nominal head	m	0
Max.	0	/	/	4.93	35.1	22.1		/	0.573	Inlet pressure	kPa	0
										Static head	m	0

Power datas referred to:

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

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



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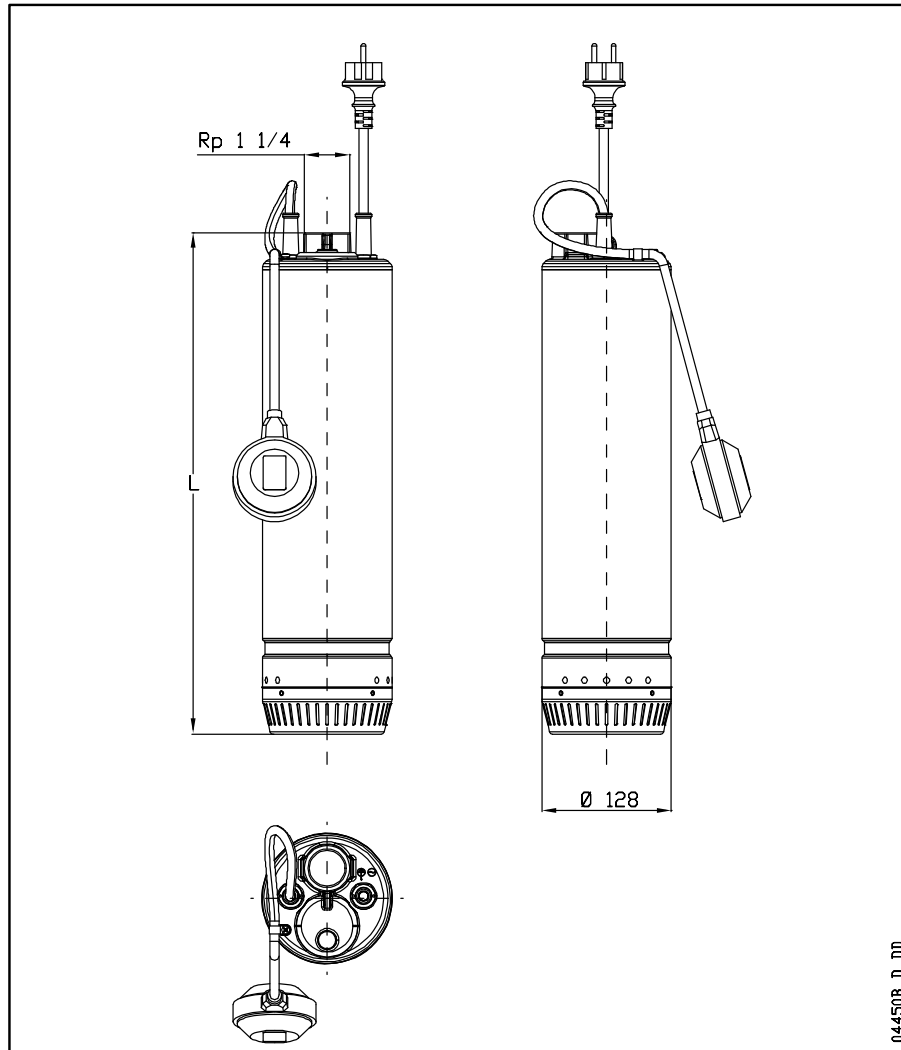
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Dimensions

Company name
Contact
Phone number
e-mail address

Close coupled

Single phase pump motor
MOT_5SC3/05/5



Dimensions [mm]	
L	494.9

Weight (+/- 5%) [kg]	
Pump	13 kg
Cable	
Motor	
Total weight	

Connections	
Suction nozzle protected by strainer	Discharge nozzle

Dimensions and weight without obligation

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