

5SC5/09/5 C L05

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	m ³ /h 0	pH-value at t A	7
4	Nominal head	m 0	Density at t A	kg/m ³ 1000
5	Static head	m 0	Kin. viscosity at t A	mm ² /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

Pump data

9	Design	Basins		
10	Execution		Impeller Ø	Max. mm 0
11	Operating speed	rpm 2900		designed mm
12	Number of stages	5		Min. mm 0
13	Suction nozzle	protected by strainer		Nominal m ³ /h ()
14	Discharge nozzle	/	Flow	Max- m ³ /h 7.2
15	Max. casing pressure	kPa		Min- m ³ /h 2.4
16	Max. working pressure	kPa 570.9		
17	Impeller type		Head	Nominal m
18	Head H(Q=0)	m 58		at Qmax m 16.4
19	Max. shaft power	kW .9	Shaft power	at Qmin m 48.9
20	Total weight	kg 16.0	Efficiency	kW ()
21			NPSH 3%	%

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)	Carbographite
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

42	Manufacturer	Type	MOT_5SC5/09/5	Cable
43	Specific design	Single phase pump motor		Cable type
44	Rated power	0.9 kW	Phases	1
45	Corrected motor power	0.9 kW	No. starts / h	max. 20
46	coolant speed	min.	Weight	0 kg
47	Rated current	5.72 A	Electric voltage	220 V
48	Reduced current	5.72 A	Starting mode	Directly
49	Degree of protection	IP 55	Speed	2850 rpm
50	motor connection		Installation	

Remarks

Remarks				

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			02-12-21	02-12-21

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Performance curve

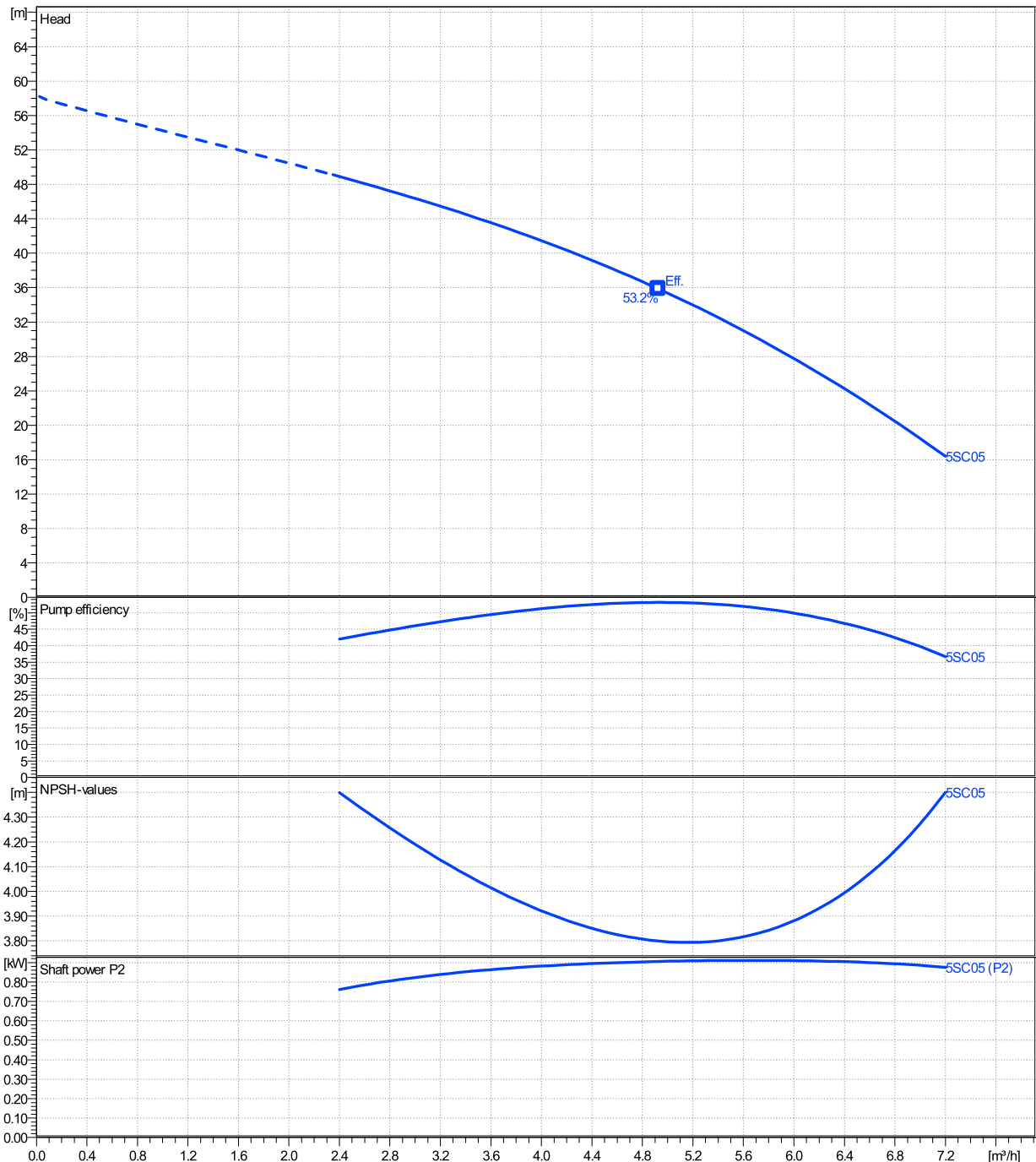
Company name
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	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency		Hz	50
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed rpm	2900		
actual	0	2.4	7.2	4.92	58.2	35.9		0.911	0.906	Nominal flow	m³/h	0	
Min.	0	/	/	4.92	58.2	35.9		/	0.906	Nominal head	m	0	
Max.	0	/	/	4.92	58.2	35.9		/	0.906	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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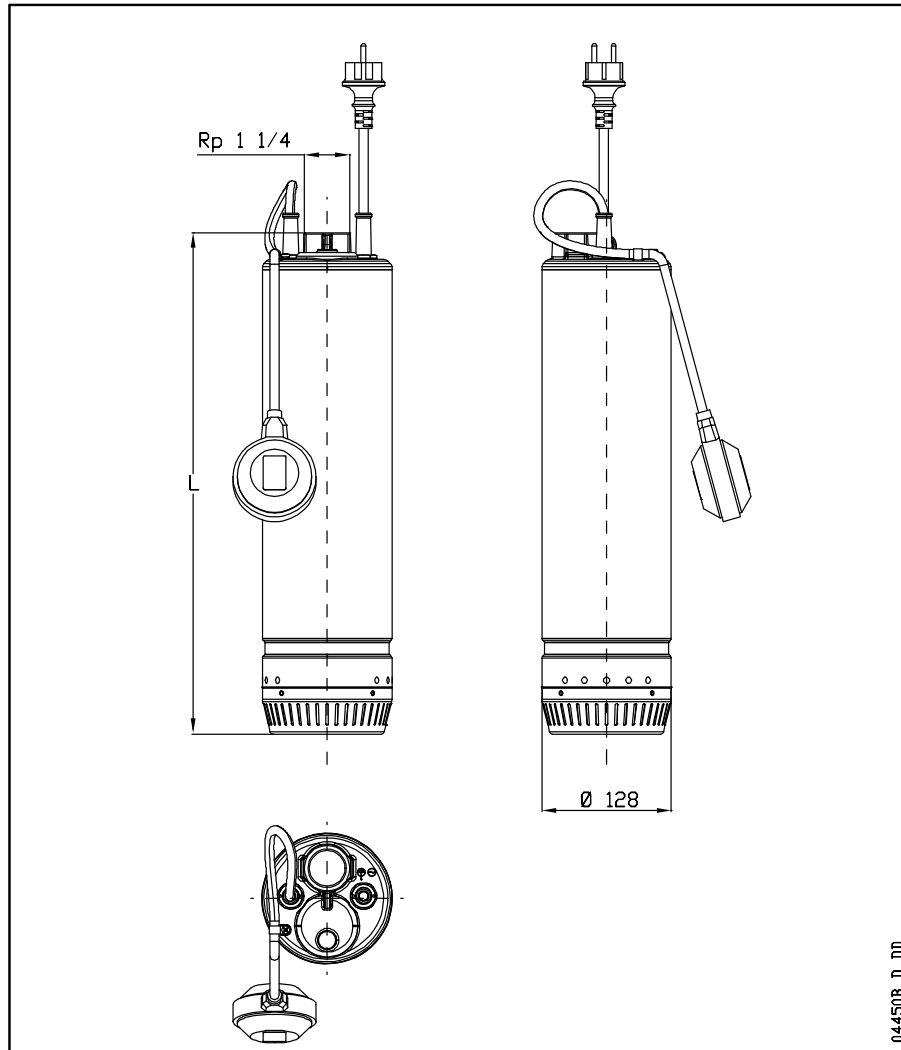
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Dimensions

Company name
Contact
Phone number
e-mail address

Close coupled

Single phase pump motor
MOT_5SC5/09/5



Dimensions [mm]	
L	554.9

Weight (+/- 5%) [kg]	
Pump	16 kg
Cable	
Motor	
Total weight	

Connections	
Suction nozzle protected by strainer	Discharge nozzle

Dimensions and weight without obligation

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