

3SC5/07/5 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	m³/h 0	pH-value at t A	7
4	Nominal head	m 0	Density at t A	kg/m³ 1000
5	Static head	m 0	Kin. viscosity at t A	mm²/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 m³/h ()
14	Discharge nozzle	/	Flow	Max- m³/h 4.2
15	Max. casing pressure	kPa		Min- m³/h 1.2
16	Max. working pressure	kPa 551.7		Nominal m
17	Impeller type		Head	at Qmax m 22
18	Head H(Q=0)	m 56		at Qmin m 51.1
19	Max. shaft power	kW .8	Shaft power	kW ()
20	Total weight	kg 15.0	Efficiency	%
21			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)	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_3SC5/07/5	Cable type
43	Specific design	Single phase pump motor		Cable cross section mm²
44	Rated power	0.75 kW	Phases	1
45	Corrected motor power	0.75 kW	No. starts / h	max. 20
46	coolant speed	min.	Weight	0 kg
47	Rated current	4.8 A	Electric voltage	220 V
48	Reduced current	4.8 A	Starting mode	Directly
49	Degree of protection	IP 55	Speed	2850 rpm
50	motor connection		Installation	

Remarks

Project	Project ID	Created by	Created on	Last update
			02-12-21	02-12-21

3SC5/07/5 C L05

Performance curve

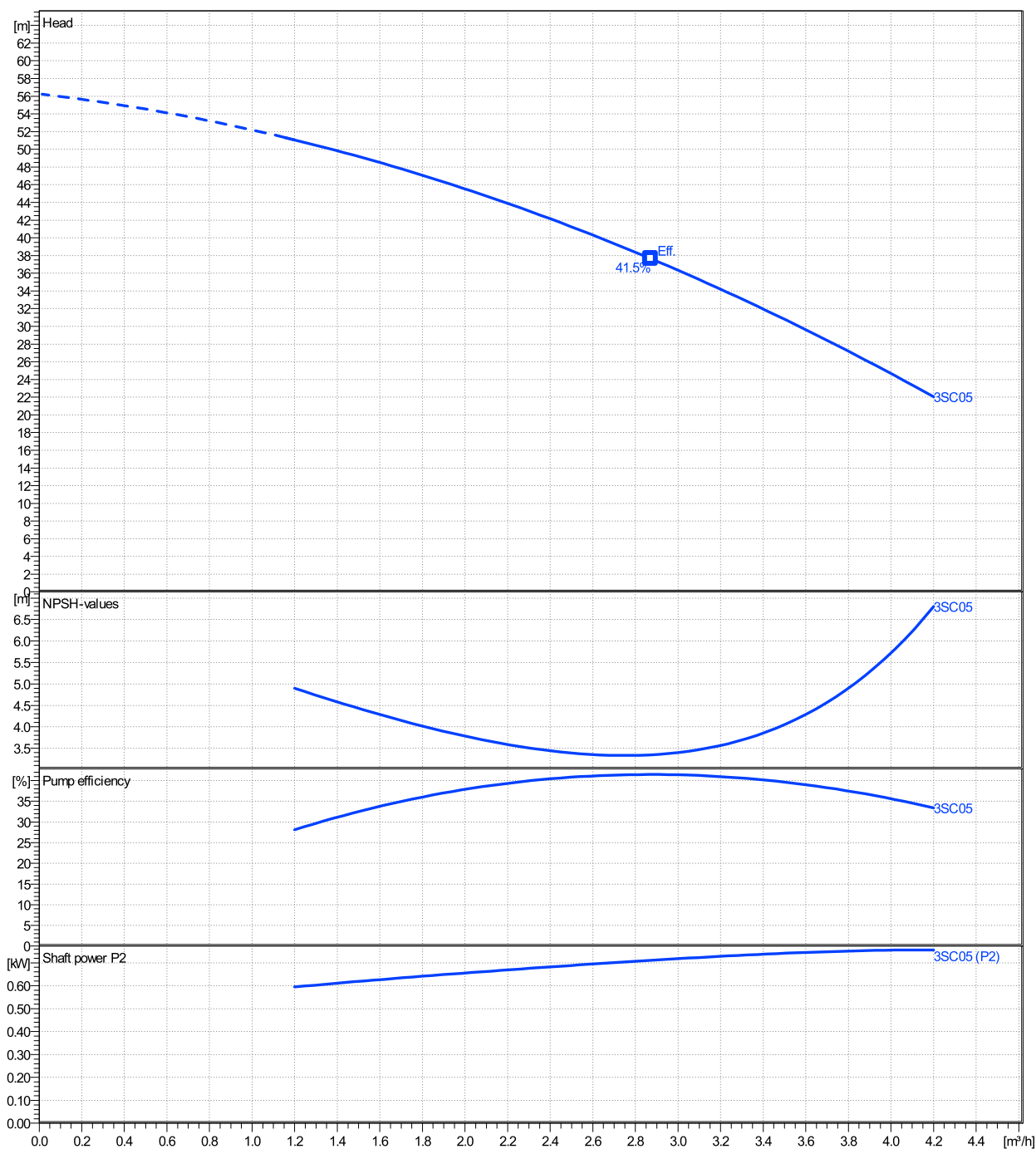
Company name
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	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		Hz
		Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm	
actual	0	1.2	4.2	2.87	56.2	37.7		0.756	0.711	Nominal flow	m³/h	0
Min.	0	/	/	2.87	56.2	37.7		/	0.711	Nominal head	m	0
Max.	0	/	/	2.87	56.2	37.7		/	0.711	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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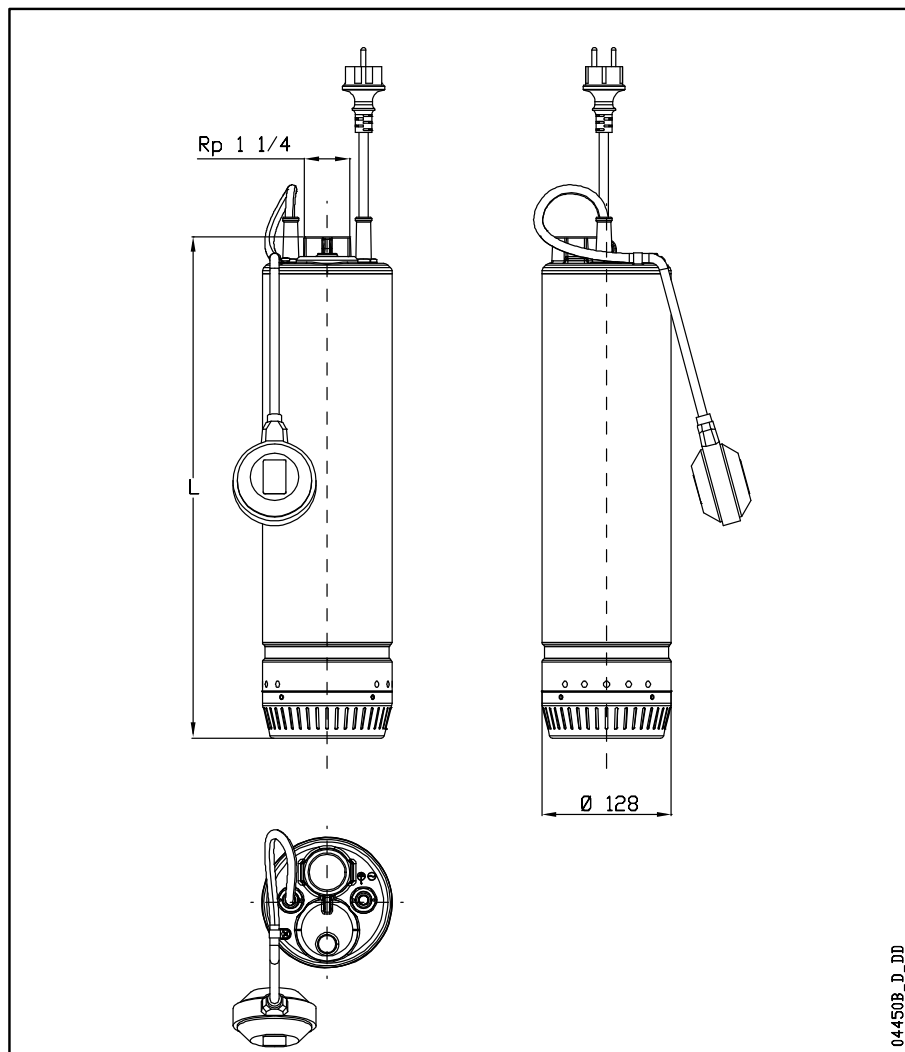
3SC5/07/5 C L05

Dimensions

Company name
Contact
Phone number
e-mail address

Close coupled

Single phase pump motor
MOT_3SC5/07/5



Dimensions [mm]	
L	554.9

Weight (+/- 5%)	[kg
Pump	15 kg
Cable	
Motor	
Total weight	

Connections	
Suction nozzle protected by strainer	Discharge nozzle

Dimensions and weight without obligation

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