

1SCD7/07/5 T 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	Borehole pumps		
10	Execution		Impeller Ø	Max. mm 0
11	Operating speed	rpm 2900	designed	mm
12	Number of stages	7	Min.	mm 0
13	Suction nozzle	protected by strainer	Nominal	m³/h ()
14	Discharge nozzle	/	Flow	Max- m³/h 2.4
15	Max. casing pressure	kPa	Min-	m³/h .7
16	Max. working pressure	kPa 729	Head	Nominal m
17	Impeller type		at Qmax	m 35.7
18	Head H(Q=0)	m 74	at Qmin	m 67.5
19	Max. shaft power	kW .7	Shaft power	kW ()
20	Total weight	kg 17.4	Efficiency	%
21			NPSH 3%	m

Materials				
22		Pump		
23	Head	Stainless steel / ASTM A743 CF8	Upper head	Technopolymer
24	Capacitor	-	Upper bearing support	Stainless steel / AISI 304
25	Connection container	PA66-GF25	Sleeve with wound stator	Stainless steel / AISI 304
26	Motor shaft	Stainless steel / AISI 431	Internal mech. seal (rotary part)	Carbographite
27	Lower bearing support	Die-cast aluminium	Internal mech. seal (fixed part)	Steatite
28	Lower head	Technopolymer	External mech. seal	Silicon carbide / Silicon carbide / NBR
29	Final bowl	Stainless steel / AISI 304	Pump shaft	Stainless steel / AISI 431
30	Diffuser	Stainless steel / AISI 304	Pump body	Stainless steel / AISI 304
31	Impeller	Technopolymer	Base	Aluminium
32	Elastomers	Nitrile rubber (NBR)	Sleeve	Stainless steel / AISI 304
33	Capacitor housing spacer	PA66-GF25	PLUG	Stainless steel / AISI 304
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Motor data				Cable	
42	Manufacturer	Type	MOT_1SC7/07/5T	Cable type	
43	Specific design	Three phase pump motor		Cable cross section	mm²
44	Rated power	0.75 kW	Phases	3	Environmental temperature °C 20
45	Corrected motor power	0.75 kW	No. starts / h	max. 20	cable length m
46	coolant speed	min.	Weight	0 kg	
47	Rated current	2.43 A	Electric voltage	400 V	
48	Reduced current	2.43 A	Starting mode	Directly	
49	Degree of protection	IP 68	Speed	2850 rpm	
50	motor connection		Installation		

Remarks				

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1SCD7/07/5 T L05

Performance curve

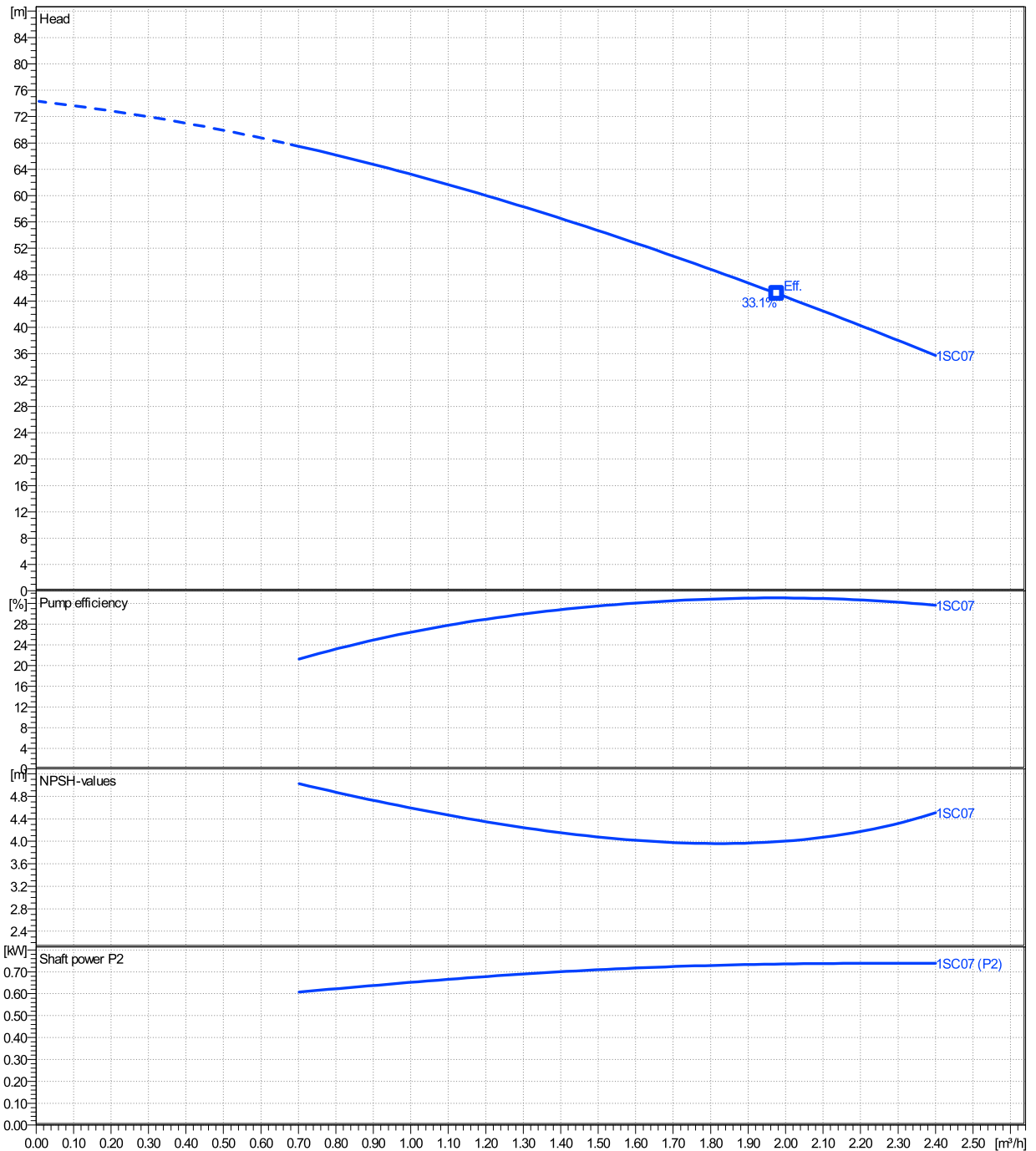
Company name
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	Ø mm	Pump capacity Operating range			Pump head		Shaft power P2			Frequency		Hz	50
		Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed	rpm		
actual	0	0.702	2.4	1.98	74.3	45.1		0.739	0.735	Nominal flow	m³/h	0	
Min.	0	/	/	1.98	74.3	45.1		/	0.735	Nominal head	m	0	
Max.	0	/	/	1.98	74.3	45.1		/	0.735	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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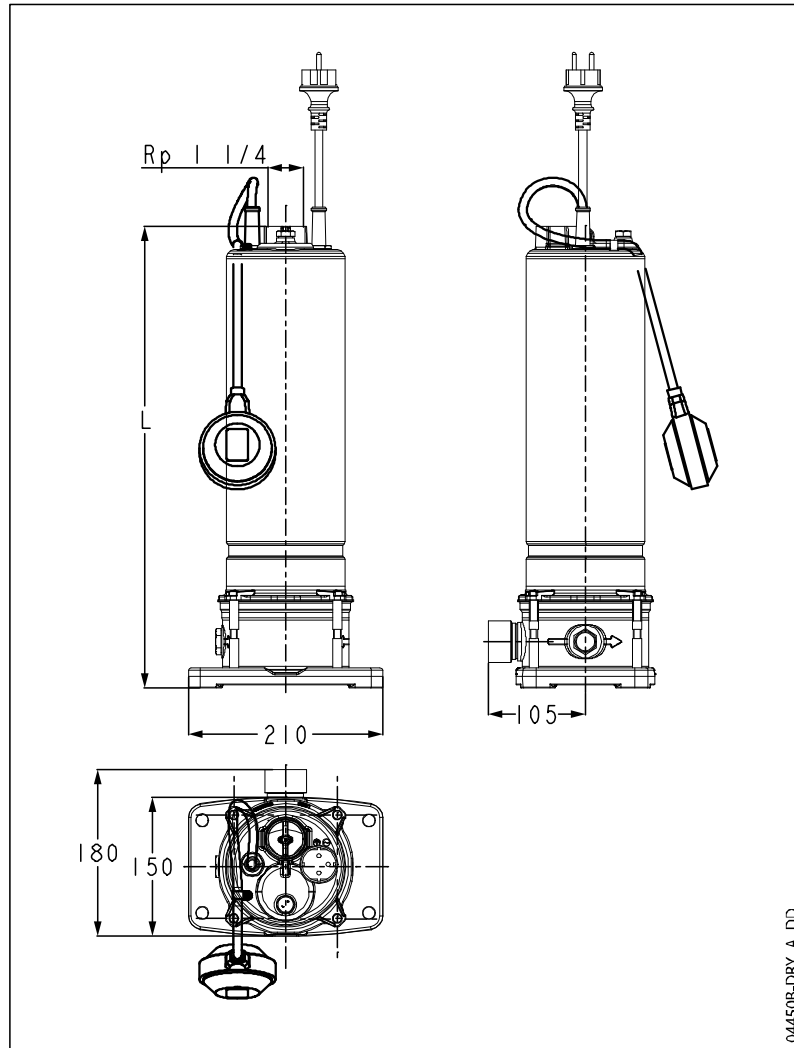
1SCD7/07/5 T L05

Dimensions

Company name
Contact
Phone number
e-mail address

Standard

Three phase pump motor
MOT_1SC7/07/5T



Dimensions [mm]	
L	578
Weight (+/- 5%) [kg]	
Pump	16.4 kg
Cable	
Motor	
Total weight	
Connections	
Suction nozzle protected by strainer	Discharge nozzle

Dimensions and weight without obligation

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