

1SC7/07/5 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 at 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			
11	Operating speed	rpm 2900	Impeller Ø	Max. mm 0
12	Number of stages	7		designed mm
13	Suction nozzle	protected by strainer		Min. mm 0
14	Discharge nozzle	/	Flow	Nominal m³/h ()
15	Max. casing pressure	kPa		Max- m³/h 2.4
16	Max. working pressure	kPa 709	Min- m³/h .7	
17	Impeller type		Head	Nominal m
18	Head H(Q=0)	m 72		at Qmax m 29.9
19	Max. shaft power	kW	at Qmin m 63.6	
20	Total weight	kg 16.0	Shaft power	kW ()
21			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)	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
34				
35				
36				
37				
38				
39				
40				
41				

Motor data				Cable	
42	Manufacturer	Type	MOT_1SC7/07/5	Cable type	
43	Specific design	Single phase pump motor		Cable cross section	mm²
44	Rated power	0.75 kW	Phases	1	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	5.26 A	Electric voltage	220 V	
48	Reduced current	5.26 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

1SC7/07/5 C L05

Performance curve

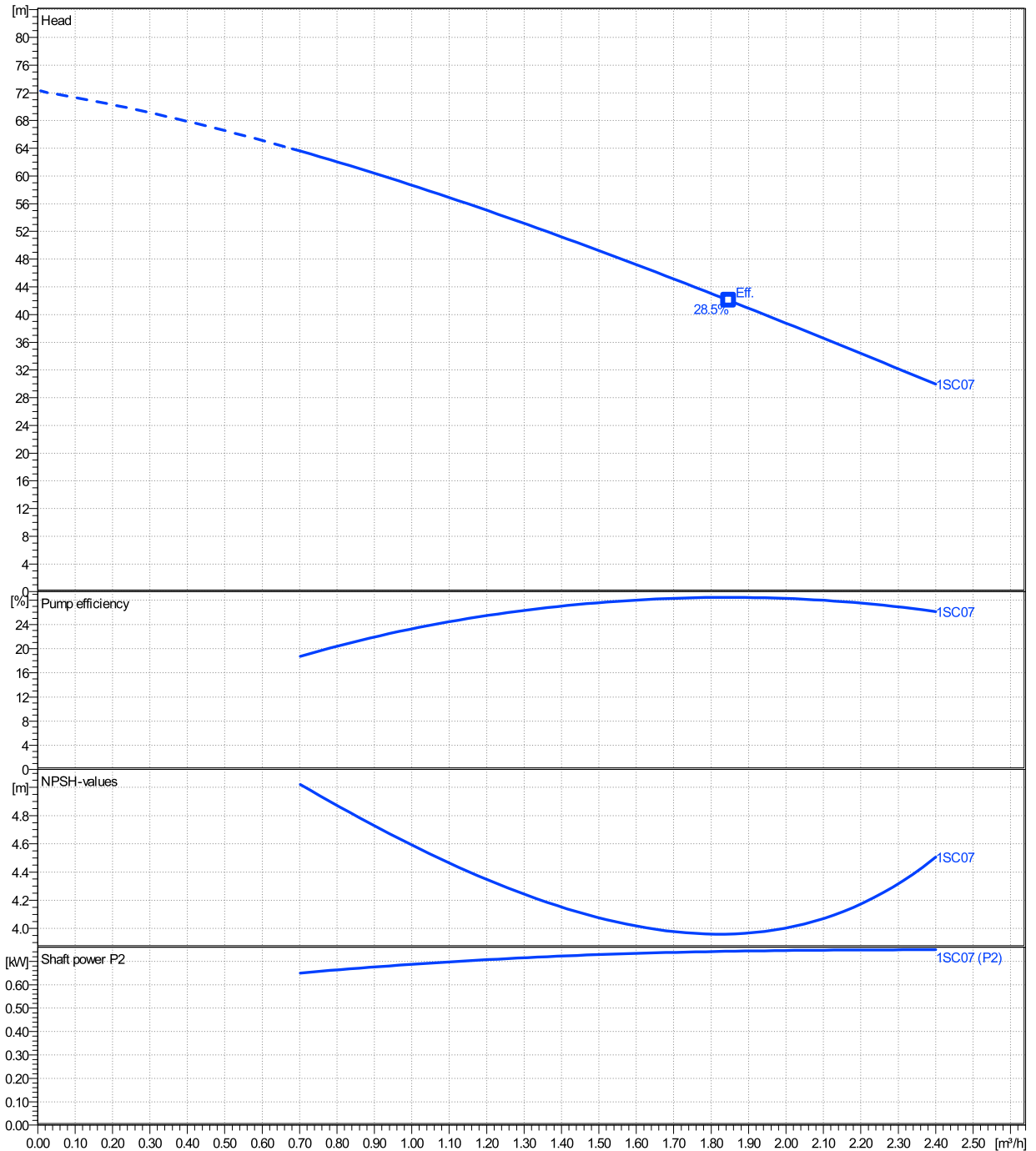
Company name
Contact
Phone number
e-mail address

	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	0.702	2.4	1.85	72.3	42	0	0.743	Nominal flow	m³/h	0	
Min.	0	/	/	1.85	72.3	42	/	0.743	Nominal head	m	0	
Max.	0	/	/	1.85	72.3	42	/	0.743	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



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

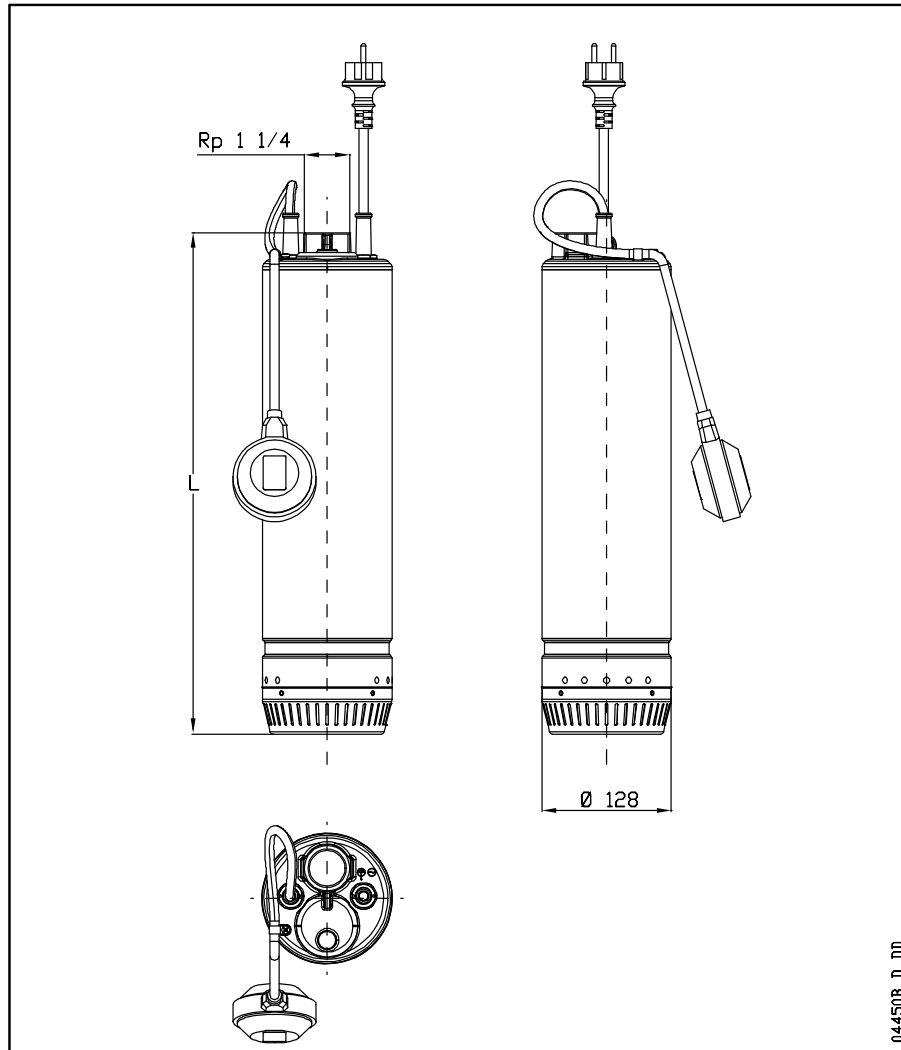
1SC7/07/5 C L05

Dimensions

Company name
Contact
Phone number
e-mail address

Close coupled

Single phase pump motor
MOT_1SC7/07/5



Dimensions [mm]	
L	594.9

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

Connections	
Suction nozzle protected by strainer	Discharge nozzle

Dimensions and weight without obligation

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