

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/dm³ 1
5	Static head	m 0	Kin. viscosity at t A mm²/s 1,569
6	Inlet pressure	bar 0,098	Vapor pressure at t A bar 0,0083
7	Environmental temperature	°C 4	Solids 0
8	Available system NPSH	m 0	Altitude m 1000

Pump data			
9	Design		
10	Execution		
11	Operating speed	1/min 2900	Impeller Ø
12	Number of stages	7	
13	Suction nozzle	protected by strainer	
14	Discharge nozzle	/	Flow
15	Max. casing pressure	bar	
16	Max. working pressure	bar 7,6	
17	Impeller type		Head
18	Head H(Q=0)	m 77	
19	Max. shaft power	kW 1	
20	Total weight	kg 17,0	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) Carbographe
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_3SC7/09/5	Cable type	
43	Specific design	Single phase pump motor		Cable cross section	mm²
44	Rated power	0,9 kW	Phases 1	Environmental temperature	°C 4
45	Corrected motor power	0,9 kW	No. starts / h max. 20	cable length	m
46	Kuehlmitelgeschwindigkeit	min.	Weight 0 kg		
47	Rated current	5,88 A	Electric voltage 220 V		
48	Reduced current	5,88 A	Starting mode Directly		
49	Degree of protection	IP 55	Speed 2850 1/min		
50	Motoranschluss		Einbaulage		

Remarks					

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3SC7/09/5 C G

performance curve

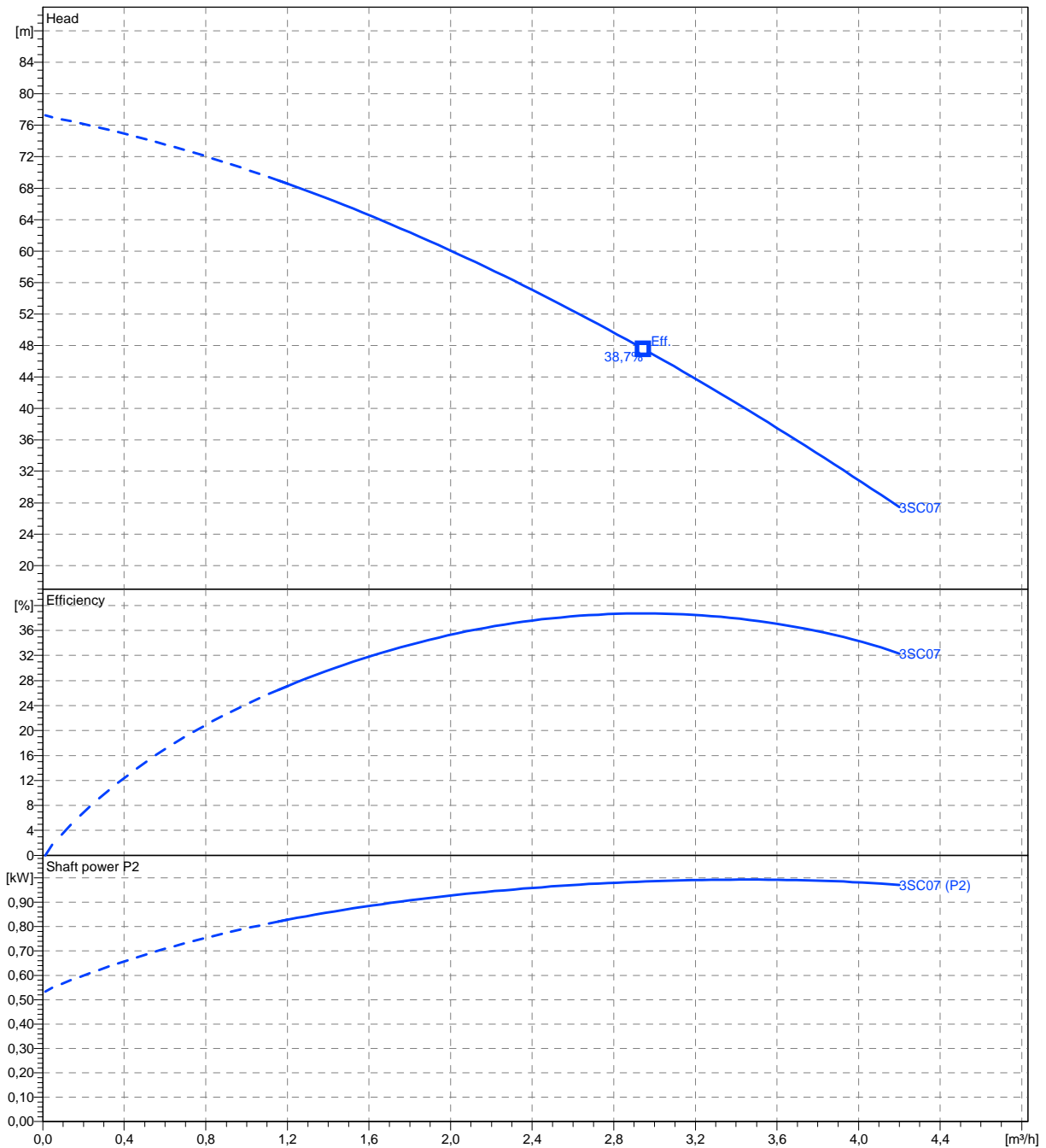
Company name
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	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency	
		Operating range		η	H(Q=0)	η	P2(Q=0)	Max.	η	Hz	
		Min. m³/h	Max. m³/h	Max. m³/h	m	Max. m	kW	kW	Max. kW	Operating speed	1/min
actual	0	1,2	4,2	2,94	77,2	47,6		0,993	0,985	Nominal flow	m³/h
Min.		/	/	2,94	77,2	47,6		/	0,985	Nominal head	m
Max.	0	/	/	2,94	77,2	47,6		/	0,985	Inlet pressure	bar
										Static head	m

Power datas referred to:

hydr. Leistungsprüfung nach EN ISO 9906 Klasse Grade

Water, pure [100%] ; 4°C; 1kg/dm³; 1,57mm²/s



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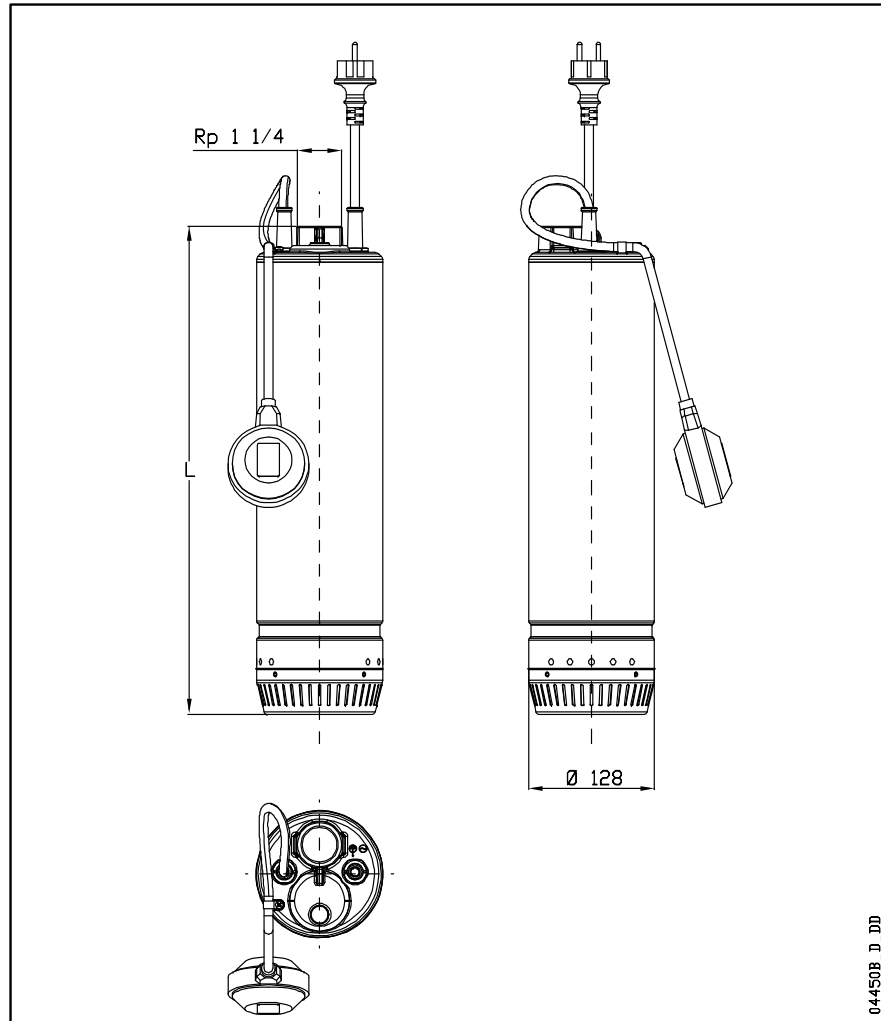
3SC7/09/5 C G

Dimensions

Company name
Contact
Phone number
e-mail address

Close coupled

Single phase pump motor
MOT_3SC7/09/5



Dimensions [mm]

L	594,9
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Weight (+/- 5%) [kg]

Pump	17 kg
Cable	
Motor	
Total weight	

Connections

Suction nozzle protected by strainer	Discharge nozzle
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Dimensions and weight without obligation

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