

## 5SC8/15/5 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	m <sup>3</sup> /h 0	pH-value at t A	7
4	Nominal head	m 0	Density at t A	kg/m <sup>3</sup> 1000
5	Static head	m 0	Kin. viscosity at t A	mm <sup>2</sup> /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	8		designed mm
13	Suction nozzle	protected by strainer		Min. mm 0
14	Discharge nozzle	/	Flow	Nominal m <sup>3</sup> /h ( )
15	Max. casing pressure	kPa		Max- m <sup>3</sup> /h 7.2
16	Max. working pressure	kPa 901.1		Min- m <sup>3</sup> /h 2.4
17	Impeller type		Head	Nominal m
18	Head H(Q=0)	m 92		at Qmax m 23.2
19	Max. shaft power	kW 1.5	Shaft power	at Qmin m 77
20	Total weight	kg 20.5	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_5SC8/15/5	Cable
43	Specific design	Single phase pump motor		Cable type
44	Rated power	1.5 kW	Phases	1
45	Corrected motor power	1.5 kW	No. starts / h	max. 20
46	coolant speed	min.	Weight	0 kg
47	Rated current	9 A	Electric voltage	220 V
48	Reduced current	9 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

## 5SC8/15/5 C L05

### Performance curve

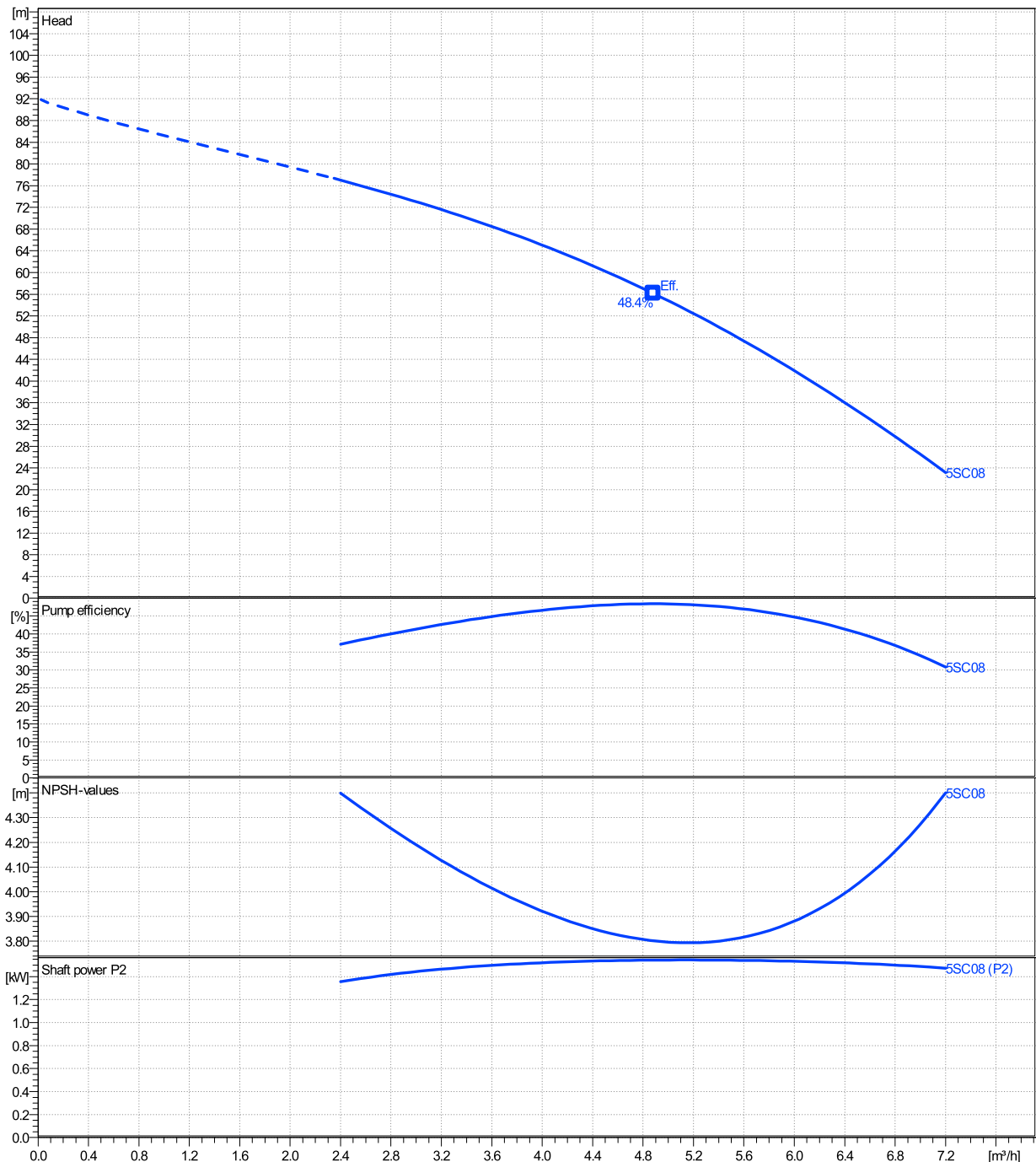
Company name  
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	Ø mm	Pump capacity			Pump head		Shaft power P2			Frequency		Hz	50
		Operating range Min. m³/h	Max. m³/h	η Max. m³/h	H(Q=0) m	η Max. m	P2(Q=0) kW	Max. kW	η Max. kW	Operating speed rpm	2900		
actual	0	2.4	7.2	4.88	91.9	56.2		1.54	1.54	Nominal flow	m³/h	0	
Min.	0	/	/	4.88	91.9	56.2		/	1.54	Nominal head	m	0	
Max.	0	/	/	4.88	91.9	56.2		/	1.54	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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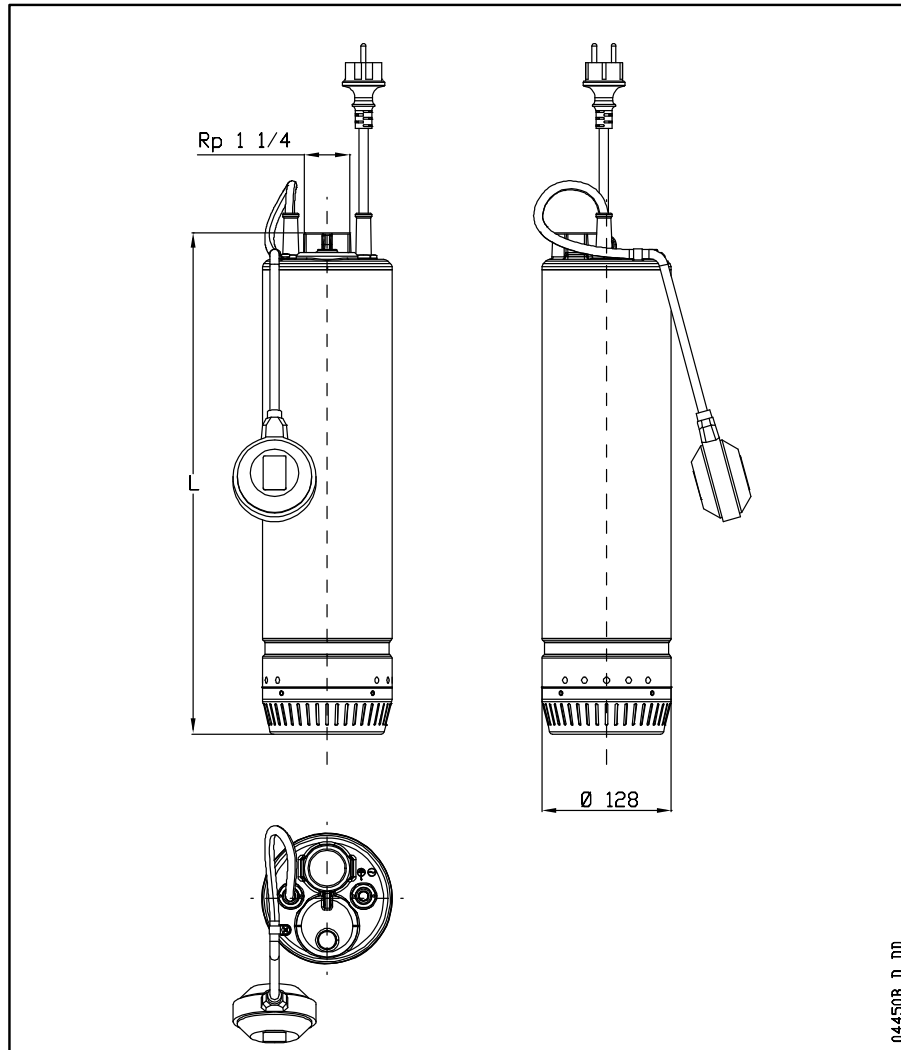
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**Dimensions**

Company name  
Contact  
Phone number  
e-mail address

Close coupled

Single phase pump motor  
MOT\_5SC8/15/5



Dimensions [ mm ]	
L	664.9

Weight (+/- 5%) [ kg ]	
<b>Pump</b>	20.5 kg
<b>Cable</b>	
<b>Motor</b>	
<b>Total weight</b>	

Connections	
<b>Suction nozzle</b> protected by strainer	<b>Discharge nozzle</b>

**Dimensions and weight without obligation**

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