

Technical data

Pump name SWS 100 M

Customer	Date 2021-05-12	Company
Contact	Item no.	Issued by
Phone	Project	Phone
E-mail	Project ID	E-mail

Requested data

1	Pump type	CENTRIFUGAL PUMPS FOR POOLS	Fluid	Water
2	Number of pumps / Reserve	1 / 0	Liquid temperature	°C 20
3	Flow m³/h		Kin. viscosity	cSt 1.005
4	Head m		Vapour pressure	kPa 2.34
5	Geodetic head m		PH value	
6	Inlet pressure (pin) kPa	0	Density	kg/m³ 998.3
7	Available system NPSH		Solids	Weight % 0
8	Ambient temperature °C	20		

Pump

9	Pump name	SWS 100 M	Frequency	Hz	50
10	Design	CENTRIFUGAL PUMPS FOR POOLS	Installation type		STANDARD
11	Manufacturer	EBARA	Impeller Diameter	Max. mm	0
12	Speed rpm	2900		Designed mm	
13	No. of Stage	1		Min. mm	0
14	Connection Suction side	Female thread 1" 1/2 (Kit PV50 included)	Flow	Operating m³/h	
15	Connection Discharge side	Female thread 1" 1/2 (Kit PV50 included)		Max- m³/h	17
16	Max Working Pressure kPa			Min- m³/h	0.96
17	Shut-off head kPa	151.65	Head	Operating m	
18	Total weight kg	See the table of "Dimensions".		- (Qmax.) m	5.1
19	Shaft power kW			- (Qmin.) m	15.6
20	Max. fluid temperature °C	40	Max. Shaft Power at max. impeller	kW	0.75
21	Required pump NPSH m		Efficiency	%	

Materials

22	Pump body	Polypropylene reinforced with glass fibre		
23	Pump Body Lid	Polypropylene reinforced with glass fibre		
24	Diffuser	Polypropylene reinforced with glass fibre		
25	Impeller	Noryl		
26	Mechanicals seal	Carbon / Ceramic / Stainless Steel AISI 316		
27	Shaft	Stainless Steel AISI 316		

Motor

28	Manufacturer	EPE Standard	Insulation class	F
29	Type	SWS 100 M_230_ Single Phase	Phases	1~
30	Specific design	- / 50 Hz / Pole pairs 1	Frame size	
31	Rated power kW	0.75	Weight	kg
32	Number of poles	2	Electric voltage	V 230
33	Speed rpm	2900	Electric current	A 5.5
34	Degree of protection	IP 55		
35				

Remarks

Performance curve

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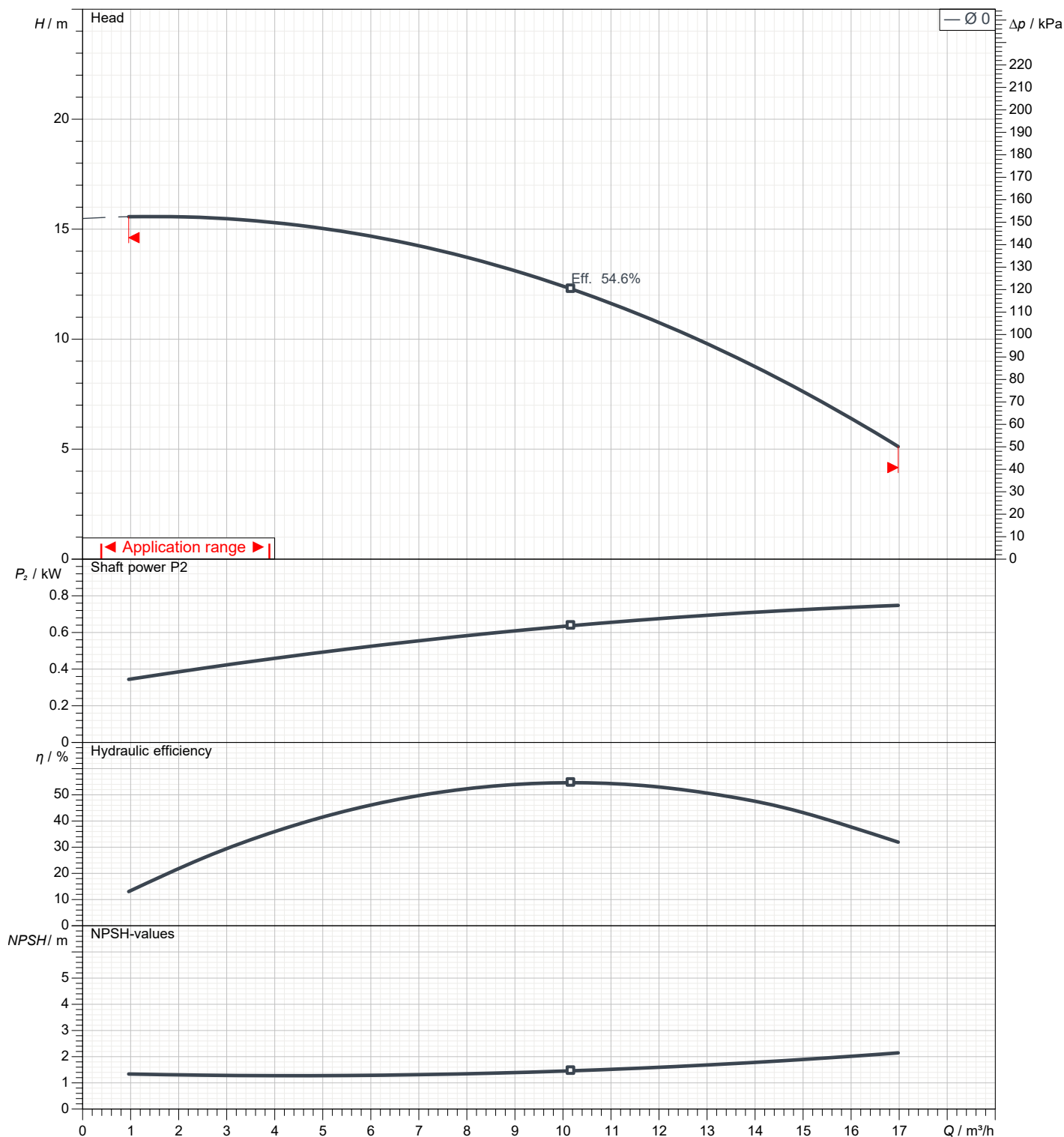
Requested data

1	Flow	m³/h	
2	Head	m	
3	Geodetic head	m	

Pump

Operating Flow	m³/h	Impeller Diameter Designed	mm
Operating Head	m	Frequency	Hz 50
		Speed	rpm 2900

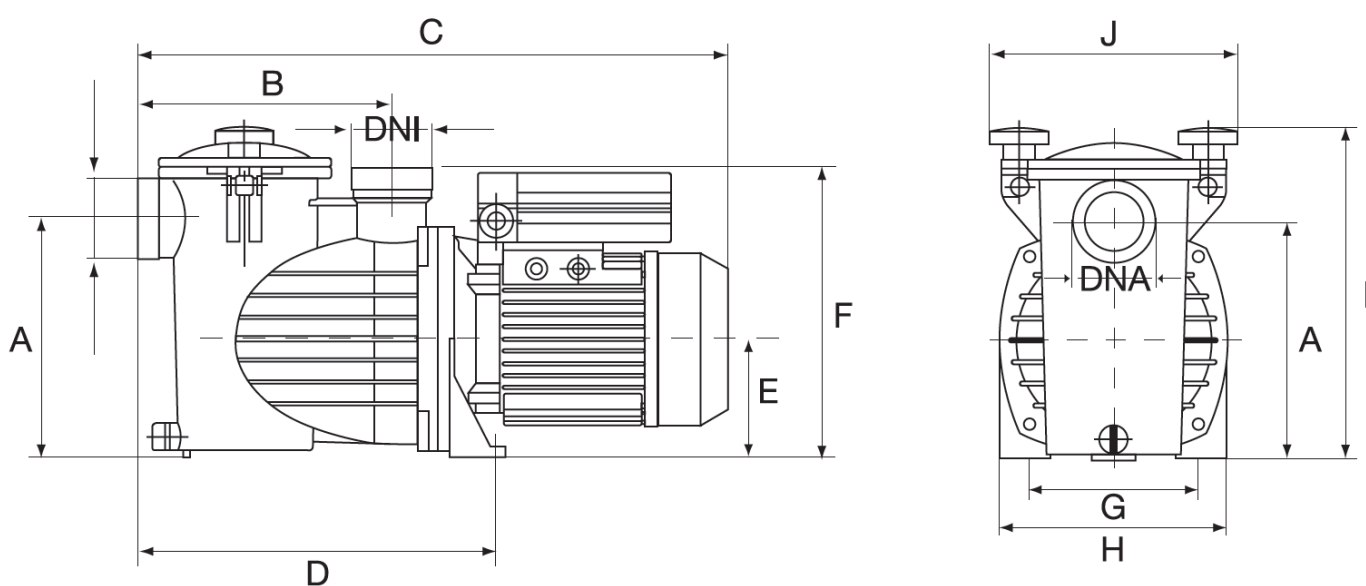
Water; 20°C; 998.3kg/m³; 1cSt



Dimensions

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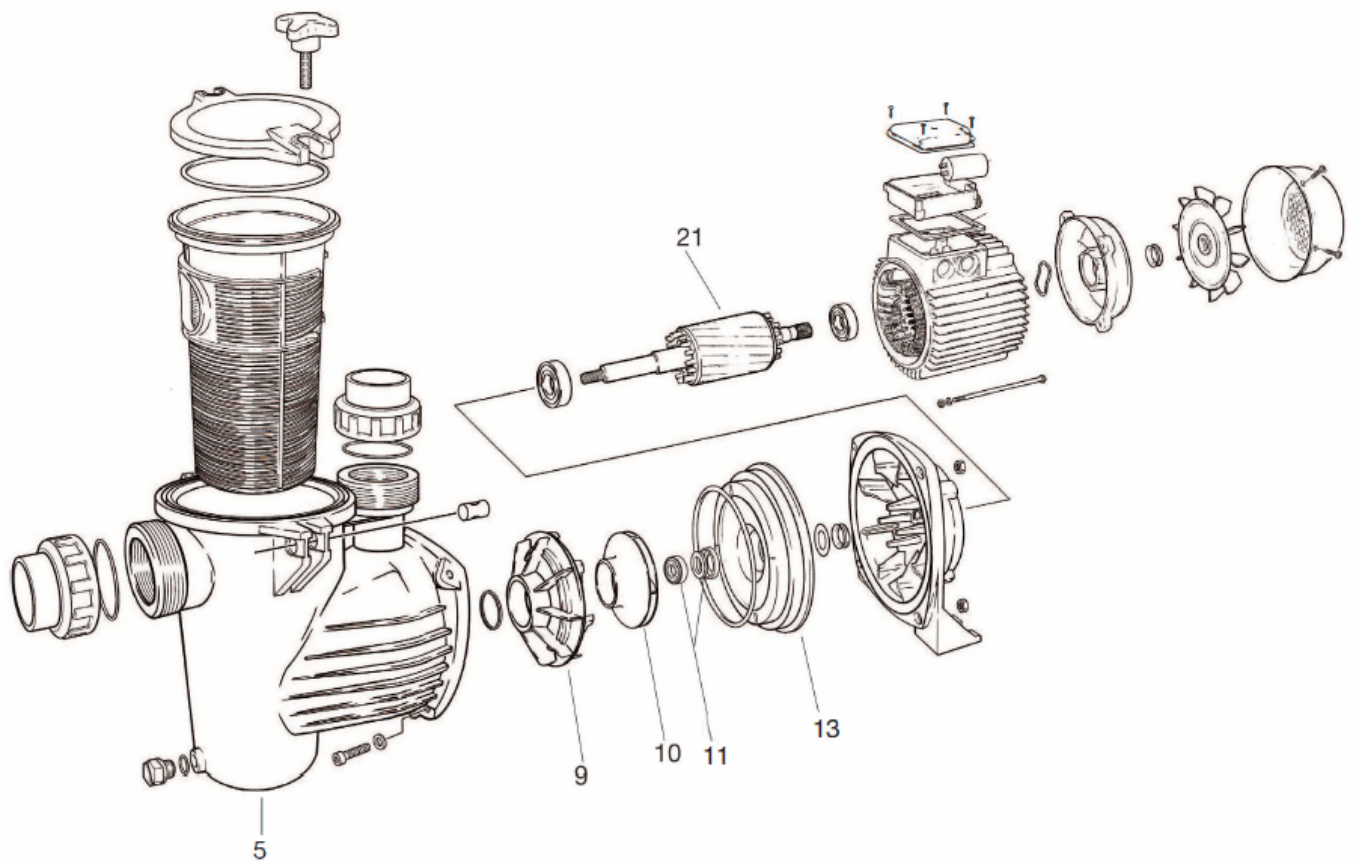
Dimensions in mm								
1	A	191						
2	B	205						
3	C	470						
4	D	285						
5	DNA	1" 1/2						
6	DNI	1" 1/2						
7	E	95						
8	F	233						
9	G	140						
10	H	180						
11	I	265						
12	J	197						
13	Weight P&M	9,9 kg						
14								
15								

(1/1)

Construction

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N°	PART NAME	MATERIAL
5	Pump body	Polypropylene reinforced with glass fibre
9	Diffuser	Polypropylene reinforced with glass fibre
10	Impeller	Noryl
11	Mechanical seal	Carbon / Ceramic / Stainless Steel AISI 316
13	Pump body lid	Polypropylene reinforced with glass fibre
18	Pump support	Aluminium
21	Shaft with rotor	Stainless steel AISI 316