novax
PUMPS & MOTORS

STAINLESS STEEL CENTRIFUGAL PUMPS
SELF PRIMING PUMPS

ALSO AVAILABLE

APPLICATIONS

Suitable for circulation cleaning system of various production lines and transporting media containing impurities

MATERIALS

- Casting, back cover, impeller and pump shaft: SUS304 material
- Motor casing: Aluminium-alloy

PERFORMANCE LIMITS

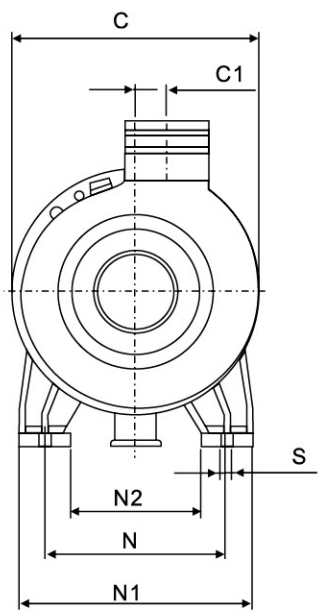
- Max. Solid diameter: 14mm
- Liquid temperature:15°C~+80°C
- Can be connected with threaded tube or hose.
- This pump can be used at full head without overloading motor

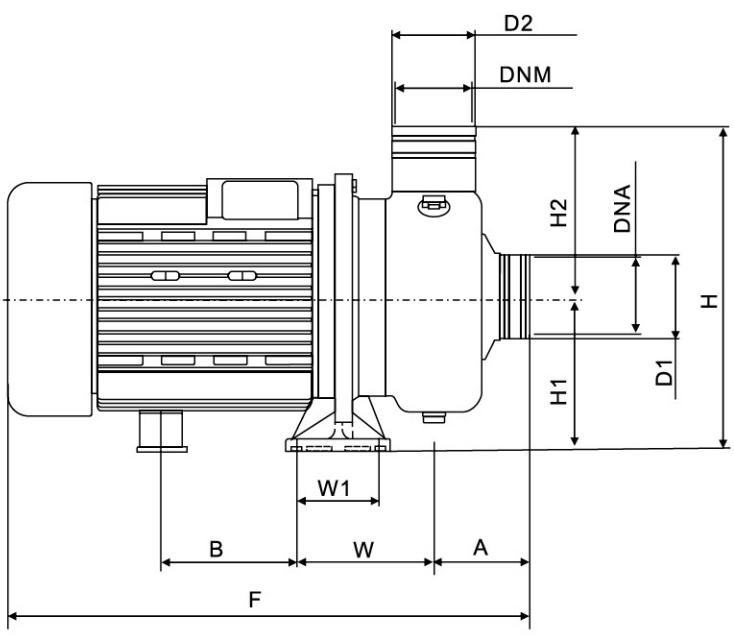
TECHNICAL DATA

- TEFC 2 pole motor
- Insulation Class F
- Protection degree IP54/IP55
- 1-230V+/-10% 50HZ, 3-230/400V+/-10% 50HZ
- Permanent split capacitor and automatic thermal overload for single phase version
- Thermal protection to be provided by the user for three phase version

DW-OE

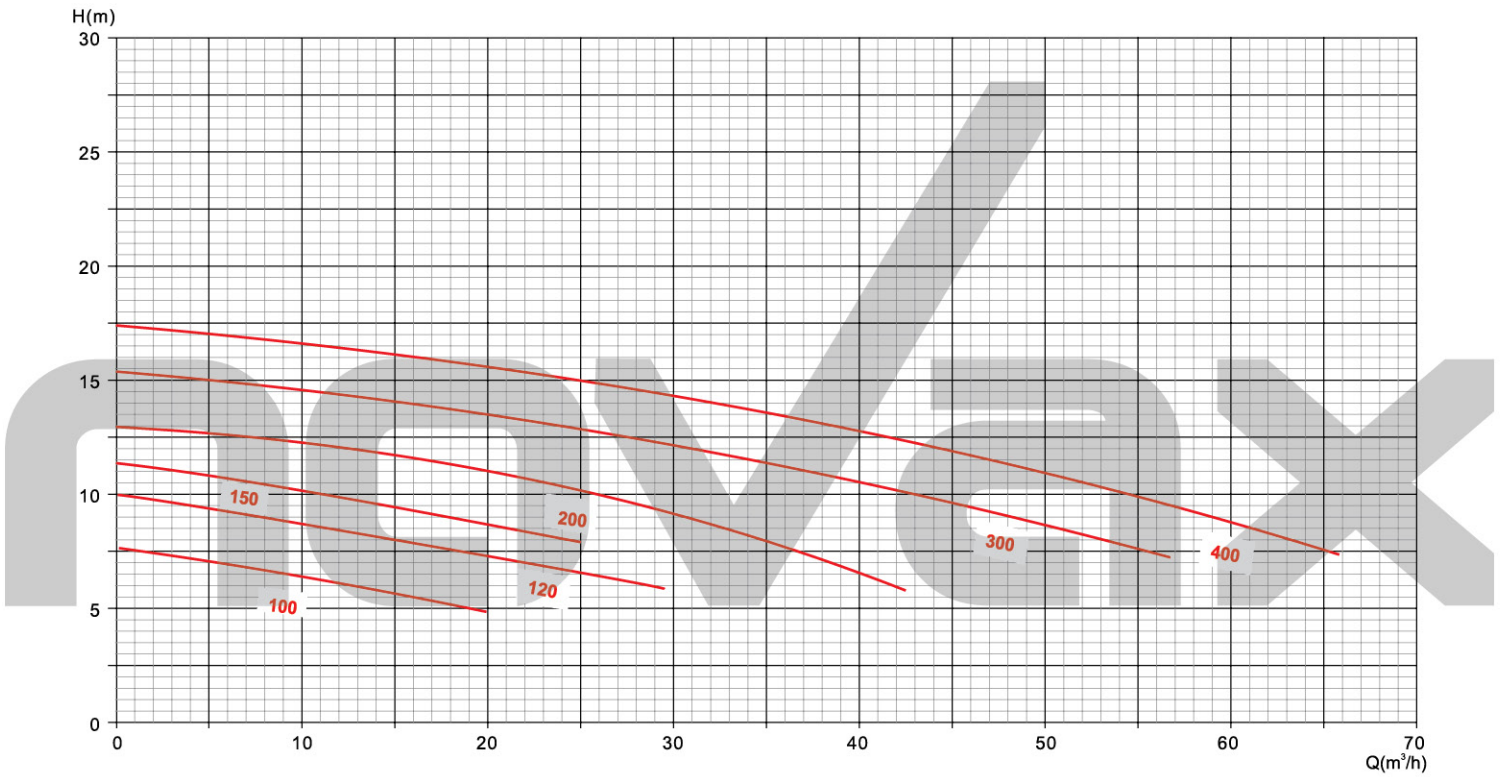
Close-coupled complete pump with special motor.





DIMENSIONS

Model	A	C	C1	F	H	H1	H2	N	N1	N2	S	W	W1	B	D1	DNA	D2	DNM
DW-OE 100	74.5	170	20	358	226	108	118	120	160	80	9	84	52	90	Ø52	G 1 1/2*	Ø52	G1 1/2*
DW-OE 120	74.5	170	20	358	226	108	118	120	160	80	9	84	52	90	Ø52	G 1 1/2*	Ø52	G1 1/2*
DW-OE 150	82	193	20	364	253	120	133	140	180	100	9	100	52	74	Ø63	G 2*	Ø63	G 2*
DW-OE 200	82	193	20	364	253	120	133	140	180	100	9	100	52	74	Ø63	G 2*	Ø63	G 2*
DW-OE 300	82	193	20	390	253	120	133	140	180	100	9	100	52	65	Ø80	G 2 1/2*	Ø63	G 2*
DW-OE 400	82	193	20	390	253	120	133	140	180	100	9	100	52	65	Ø80	G 2 1/2*	Ø63	G 2*



TECHNICAL DATA

n=2900rpm

Model		Power		Capacity									
Single phase 220V/50HZ	Three phase 380V/50HZ	KW	HP	m³/h	6	12	18	24	33	42	48	57	66
				L/min	100	200	300	400	550	700	800	950	1100
				Head(m)									
DW-OE 100 M	DW-OE 100	0.75	1.0		7	6	5						
DW-OE 120 M	DW-OE 120	0.9	1.2		11	10	9						
DW-OE 150 M	DW-OE 150	1.1	1.5		9.5	8.8	7.8	6.7	5				
DW-OE 200 M	DW-OE 200	1.5	2.0		12.7	12	11.2	10	8.3	6.5			
DW-OE 300 M	DW-OE 300	2.2	3.0		15	14	13.5	12.7	11.2	9.8	8.9	7.5	
/	DW-OE 400	3.0	4.0		17.5	16.8	16	15.2	14	12.5	11.5	9.7	7.5

APPLICATIONS

The pumps are suitable for transporting clean water and light corrosive liquid, glycol solution and other liquid which must be allowed by dealer. The pumps can be applied on industrial applications, domestic, washing, pool and irrigation etc.

DW-CE

Close-coupled complete pump with special motor.

MATERIALS

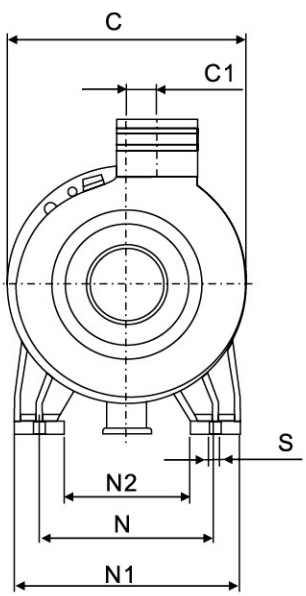
- Casting, impeller back cover and shaft: SUS304.

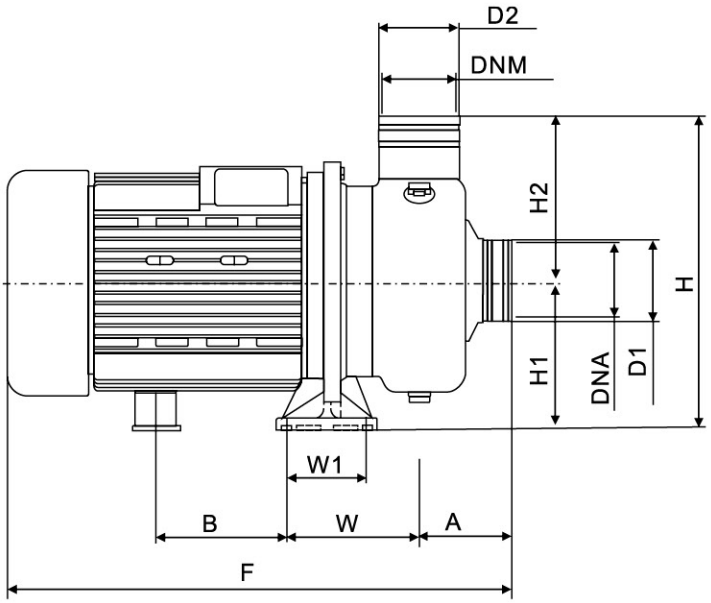
PERFORMANCE LIMITS

- Liquid temperature: 15°C~+80°C
- Max. Working pressure: 8 bar
- This pump can be used at full head without overloading motor

TECHNICAL DATA

- TEFC 2 pole motor
- Insulation Class F
- Protection degree IP54/IP55
- I-230 V+/-10% 50HZ, 3-230/400V+/-10% 50HZ
- Permanent split capacitor and automatic thermal overload for single phase version
- Thermal protection to be provided by the user for three phase version

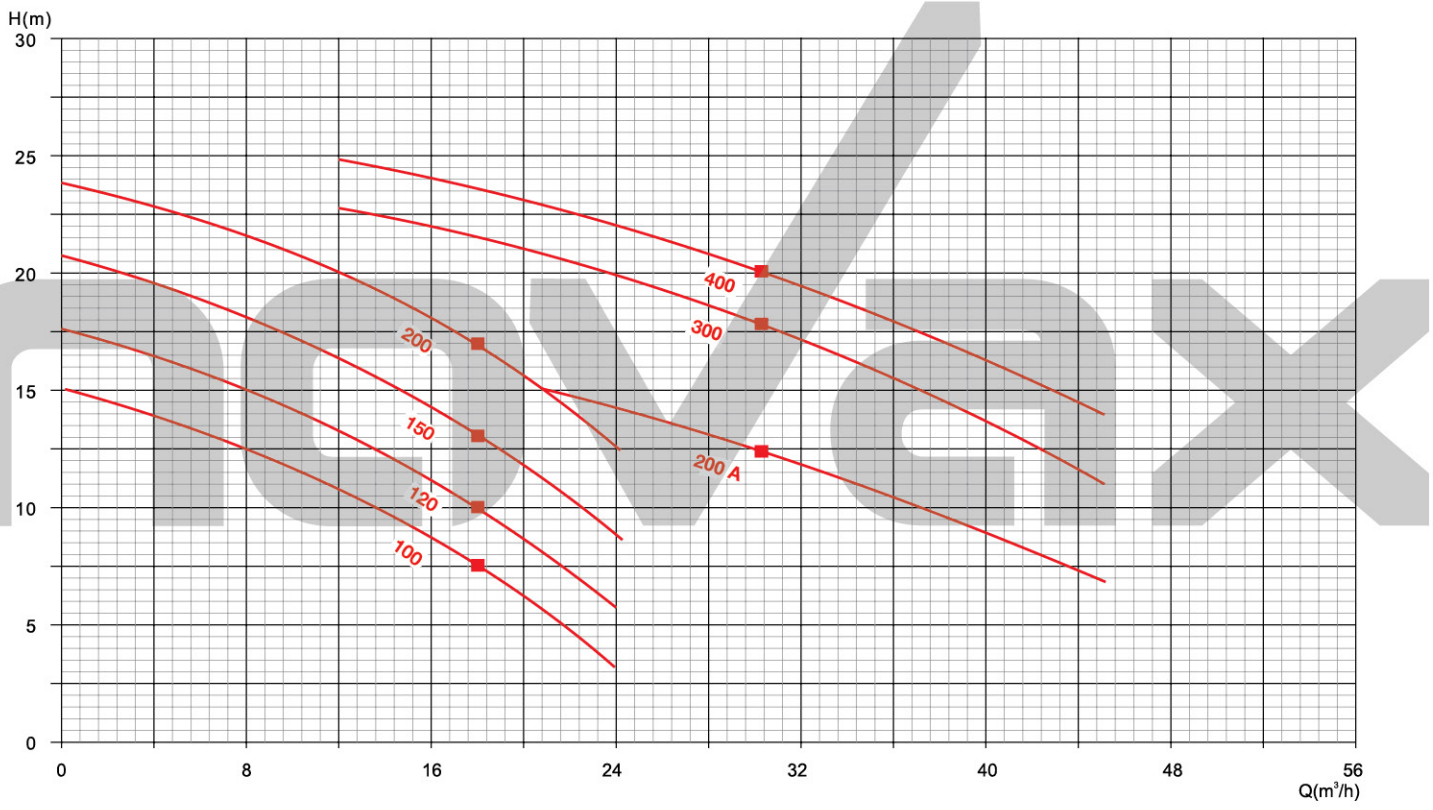




DIMENSIONS

Model	A	C	C1	F	H	H1	H2	N	N1	N2	S	W	W1	B	D1	DNA	D2	DNM
DW CE 100	74.5	170	20	358	226	108	118	120	160	80	9	84	52	90	Ø52	G 1 1/2*	Ø52	G 1 1/2*
DW CE 120	74.5	170	20	358	226	108	118	120	160	80	9	84	52	90	Ø52	G 1 1/2*	Ø52	G 1 1/2*
DW CE 150	82	193	20	364	253	120	133	140	180	100	9	100	52	74	Ø63	G 2*	Ø63	G 2*
DW CE 200	82	193	20	364	253	120	133	140	180	100	9	100	52	74	Ø63	G 2*	Ø63	G 2*
DW CE 200 A	82	193	20	364	253	120	133	140	180	100	9	100	52	74	Ø63	G 2*	Ø63	G 2*
DW CE 300	82	193	20	390	253	120	133	140	180	100	9	100	52	65	Ø63	G 2*	Ø63	G 2*
DW-CE 400	80	193	20	390	253	120	133	140	180	100	9	100	52	65	Ø63	G 2*	Ø63	G 2*

DW CE performance curve



TECHNICAL DATA

2900rpm

Model		Power		Capacity							
Single phase 220V/50HZ	Three phase 380V/50HZ	KW	HP	m³/h	6	12	18	24	28	36	42
				L/min	100	200	300	400	465	600	700
				Head(m)							
DW-CE 100 M	DW-CE 100	0.75	1.0		13	11	7.5	3.5	/	/	/
DW-CE 120 M	DW-CE 120	0.9	1.2		16	13	10	6	/	/	/
DW-CE 150 M	DW-CE 150	1.1	1.5		19	16.5	13.5	8.5	/	/	/
DW-CE 200 M	DW-CE 200	1.5	2.0		22.5	20	17	12.5	/	/	/
DW-CE 200 A M	DW-CE 200 A	1.5	2.0		/	17	15.5	14	13	10.5	8
DW-CE 300 M	DW-CE 300	2.2	3.0		/	22.5	21.5	20	18.5	15.5	12.5
	DW-CE 400	3.0	4.0		/	25	23.5	22	21	18	15.5

LOAD LOSSES (Pc) in meters (column of water) Flow rate (V m/s)

Capacity		Internal diameter in mm																								
m³/h		25	32	40	50	60	70	80	90	100	125	150	175	200	225	250	275	300	350	400	450	500	600	700	800	900	1000
3	Pc% Vm/s	17 1.70	6 1.03	1.6 0.67	0.54 0.43	0.25 0.29	0.13 0.22	0.06 0.16	0.03 0.13	0.02 0.10																
6	Pc% Vm/s		24 2.06	6 1.34	2 0.85	0.9 0.58	0.43 0.44	0.21 0.32	0.13 0.26	0.08 0.20	0.026 0.13															
9	Pc% Vm/s			12.5 2.08	4.3 1.32	1.8 0.89	0.9 0.65	0.46 0.5	0.25 0.39	0.15 0.32	0.06 0.20															
12	Pc% Vm/s			20 2.76	7 0.76	32 1.19	1.5 0.88	0.75 0.67	0.44 0.53	0.25 0.43	0.09 0.27	0.03 0.18														
15	Pc% Vm/s				12 2.2	5.2 1.49	2.4 1.1	1.25 0.87	0.7 0.66	0.42 0.54	0.15 0.34	0.06 0.24														
18	Pc% Vm/s				17 2.64	7 1.78	3.5 1.3	1.7 1	1 0.78	0.6 0.64	0.2 0.4	0.08 0.28														
21	Pc% Vm/s				22 3.35	8.8 2.08	4.2 1.54	2.2 1.17	1.3 0.93	0.75 0.75	0.26 0.48	0.1 0.32	0.05 0.24													
24	Pc% Vm/s					12 2.38	5.7 1.76	3 1.34	1.7 1.06	1 0.86	0.36 0.54	0.14 0.36	0.07 0.28													
27	Pc% Vm/s					14 2.7	7 1.97	3.5 1.45	2 1.17	1.25 0.96	0.42 0.6	0.17 0.42	0.08 0.31													
30	Pc% Vm/s					17 2.98	8.2 2.2	4.2 1.74	2.5 1.32	1.5 1.08	0.5 0.68	0.2 0.48	0.09 0.34													
36	Pc% Vm/s					25 3.58	12 2.63	6.3 2	3.5 1.58	2 1.28	0.75 0.52	0.3 0.57	0.14 0.42	0.07 0.32												
42	Pc% Vm/s						16 3.07	8.5 2.34	4.5 1.85	2.7 1.5	0.85 0.96	0.33 0.66	0.18 0.48	0.08 0.37												
48	Pc% Vm/s						21 3.51	10 2.68	6 2.12	3.6 1.75	1.2 1.08	0.45 0.72	0.22 0.56	0.12 0.43	0.06 0.37											
54	Pc% Vm/s						25 3.94	13.5 3	7.6 2.34	4.5 1.92	1.5 1.2	0.55 0.84	0.28 0.63	0.14 0.48	0.08 0.38											
60	Pc% Vm/s							16 3.32	9 2.64	5.5 2.16	1.8 1.36	0.7 0.96	0.33 0.68	0.17 0.53	0.1 0.42											
75	Pc% Vm/s							24 4.17	14 3.31	8 2.68	2.76 1.72	1 1.18	0.48 0.87	0.24 0.67	0.14 0.53	0.08 0.43										
90	Pc% Vm/s								20 3.97	12.5 3.24	3.8 2.04	1.45 1.44	0.74 1.02	0.36 0.8	0.2 0.63	0.14 0.51	0.08 0.42									
105	Pc% Vm/s								26 4.6	16.5 3.74	5.3 2.41	1.95 1.66	0.9 1.22	0.47 0.93	0.27 0.74	0.16 0.59	0.1 0.49									
120	Pc% Vm/s									21.5 4.31	6.9 4.72	2.6 1.93	1.2 1.35	0.61 1.06	0.36 0.84	0.2 0.68	0.14 0.56	0.08 0.47								
135	Pc% Vm/s									26 4.81	9 1.07	3.3 2.43	1.5 1.56	0.76 1.19	0.45 0.95	0.25 0.76	0.17 0.63	0.1 0.53								
150	Pc% Vm/s										11 3.44	4 2.36	1.9 1.74	0.95 1.34	0.55 1.05	0.3 0.86	0.21 0.70	0.12 0.59	0.06 0.43							
165	Pc% Vm/s										13 3.75	4.7 2.61	2.2 1.94	1.13 1.46	0.65 1.15	0.37 0.94	0.24 0.77	0.15 0.65	0.08 0.48							
180	Pc% Vm/s										15.2 4.09	5.5 2.83	2.6 2.08	1.3 1.59	0.76 1.26	0.43 1.02	0.29 0.84	0.18 0.71	0.09 0.52							
210	Pc% Vm/s										21 4.70	7.4 3.32	3.5 2.43	1.8 1.86	1.1 1.49	0.6 1.19	0.37 0.98	0.24 0.82	0.12 0.61	0.06 0.47						
240	Pc% Vm/s											9.4 3.78	4.3 2.77	2.3 2.12	1.3 1.68	0.75 1.36	0.48 1.12	0.3 0.95	0.15 0.69	0.08 0.53						
270	Pc% Vm/s											12 4.26	5.5 3.13	2.8 2.39	1.62 1.90	0.9 1.53	0.58 1.26	0.35 1.07	0.18 0.78	0.09 0.59						
300	Pc% Vm/s											14 4.75	7.5 3.47	3.4 2.66	2 2.10	1.1 1.71	0.74 1.40	0.46 0.18	0.22 0.86	0.11 0.67	0.07 0.53					
360	Pc% Vm/s												9 4.15	4.7 3.17	2.8 2.53	1.6 2.04	1 1.68	0.65 1.41	0.32 1.04	0.16 0.79	0.09 0.63	0.05 0.51				
420	Pc% Vm/s												11.6 4.86	6.2 3.72	3.5 2.94	2 2.37	1.3 1.96	0.82 1.64	0.41 1.22	0.21 0.94	0.12 0.76	0.07 0.59	0.03 0.41			
480	Pc% Vm/s													8.5 4.24	4.9 3.36	2.9 2.72	1.9 2.24	1.2 1.90	0.6 1.36	0.3 1.06	0.17 0.84	0.09 0.69	0.04 0.47			
540	Pc% Vm/s													14 4.78	6.5 3.80	3.7 3.06	2.35 2.52	1.52 2.13	0.75 1.56	0.38 1.19	0.22 0.94	0.12 0.76	0.05 0.53			
600	Pc% Vm/s													12.2 5.30	7.4 4.20	4.3 3.40	2.7 2.81	1.7 2.36	0.9 1.73	0.45 1.34	0.25 1.06	0.13 0.86	0.055 0.61	0.024 0.44		
660	Pc% Vm/s														9 4.61	5.2 3.76	3.3 3.07	2.1 2.59	1.1 1.89	0.54 1.46	0.3 0.15	0.16 0.93	0.06 0.65	0.03 0.48		
720	Pc% Vm/s														10 5.05	6 4.08	3.8 3.37	2.5 2.84	1.3 2.08	0.62 1.65	0.35 1.26	0.19 1.02	0.075 0.71	0.035 0.52		
780	Pc% Vm/s															7.3 4.43	4.5 3.65	3 3.08	1.5 2.26	0.75 1.73	0.42 1.36	0.23 1.11	0.08 0.77	0.04 0.56		
840	Pc% Vm/s															8 4.76	5.4 3.95	3.4 3.31	1.7 2.43	0.85 1.86	0.48 1.47	0.26 1.19	0.1 0.83	0.047 0.61		
900	Pc% Vm/s															9 5.1	5.8 4.22	3.75 3.54	1.9 2.60	0.96 2.00	0.53 1.57	0.29 1.27	0.11 0.88	0.053 0.65		
960	Pc% Vm/s																6.5 4.49	4.3 3.78	2.1 2.77	2.1 2.13	0.6 1.68	0.32 1.36	0.12 0.95	0.06 0.70		
1020	Pc% Vm/s																7.2 4.76	4.6 4.01	2.45 2.94	1.2 2.26	0.67 1.78	0.35 1.44	0.14 1.00	0.065 0.77	0.033 0.54		
1080	Pc% Vm/s																	5.4 4.26	2.8 3.12	1.4 2.38	0.78 1.86	0.43 1.53	0.16 1.06	0.073 0.78	0.037 0.57		
1140	Pc% Vm/s																	6 4.49	3.2 3.29	1.53 2.53	0.86 1.99	0.45 1.65	0.175 1.12	0.08 0.84	0.043 0.61	0.037 0.52	
1200	Pc% Vm/s																	6.5 4.72	3.4 3.45	1.7 2.68	0.93 2.12	0.5 1.72	0.19 1.23	0.09 0.98	0.046 0.63	0.04 0.54	0.025 0.4

Discharge diameter

Suction diameter diameter

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PUMPS & MOTORS

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