



Stainless Steel Pumps

Model DWO Open Impeller Pumps



Specifications

Stainless steel pump with open impeller
 Maximum 19mm passage size
 Maximum working pressure : 8 bar
 Maximum liquid temperature: 90°C

Materials

Pump casing: 304 Stainless Steel
 Impeller: 304 Stainless Steel
 Casing Cover: 304 Stainless Steel
 Shaft : 304 Stainless Steel
 Bracket & Motor Frame: Aluminium
 Mechanical seal: Carbon/Ceramic/NBR

Motor Data

TEFC, 2 pole motor
 Insulation class F
 IP55 protection
 50 Hz, 3 phase - 415 Volt, 1 phase - 240 Volt
 In built overload protection for 1 phase

Stainless steel pump with open impeller, capable of passing 19mm solids.

Range

1.1 to 1.5 kW - 1 phase
 1.1 to 3.0 kW - 3 phase

Supply

Optional hard faced seal available

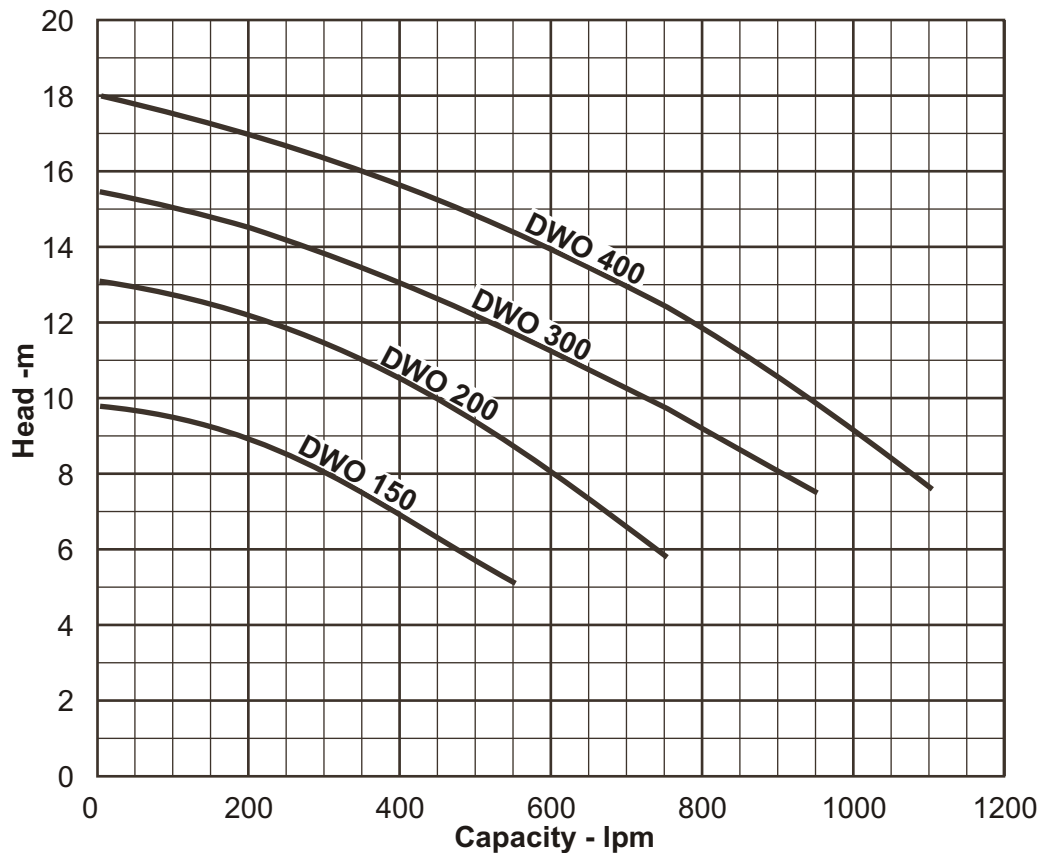
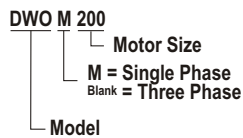
Performance Curve

Synchronous Speed:
 3000 r.p.m.

Water temp:
 20°C

Applicable standard of test :
 ISO 2458
 Class C

Model Code

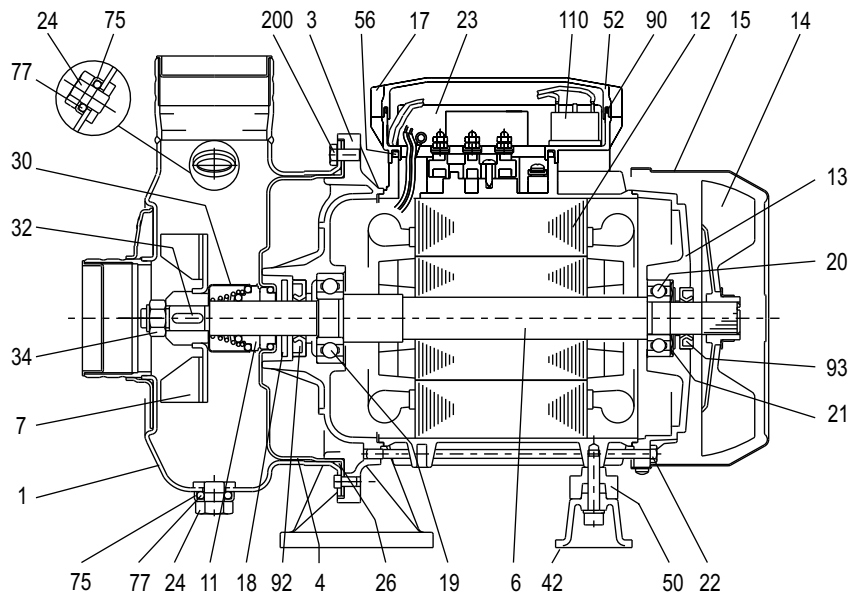


Performance Table

Pump Model	Motor Output	Discharge/Suction Ø mm	Full Load Current		Capacitor (1Phase models only)	Q= Capacity - litres/min								
			1 Phase 240 V, 1ph.	3 Phase 415 V, 3ph.		100	200	300	400	550	750	950	1100	
DWO 150	1.1 kW	50 / 50 mm	6.8 A	2.5 A	31.5 µF	9.5	8.9	7.9	6.9	5.1				
DWO 200	1.5 kW	50 / 50 mm	9.0 A	3.5 A	40 µF	12.7	12.3	11.5	10.5	8.6	5.8			
DWO 300	2.2 kW	50 / 65 mm	N/A	4.8 A	N/A	15	14.5	13.8	12.9	11.7	9.7	7.5		
DWO 400	3.0 kW	50 / 65 mm	N/A	6.4 A	N/A	17.5	16.9	16.3	15.6	14.3	12.4	9.8	7.6	

Sectional Drawing

Model **DWO**



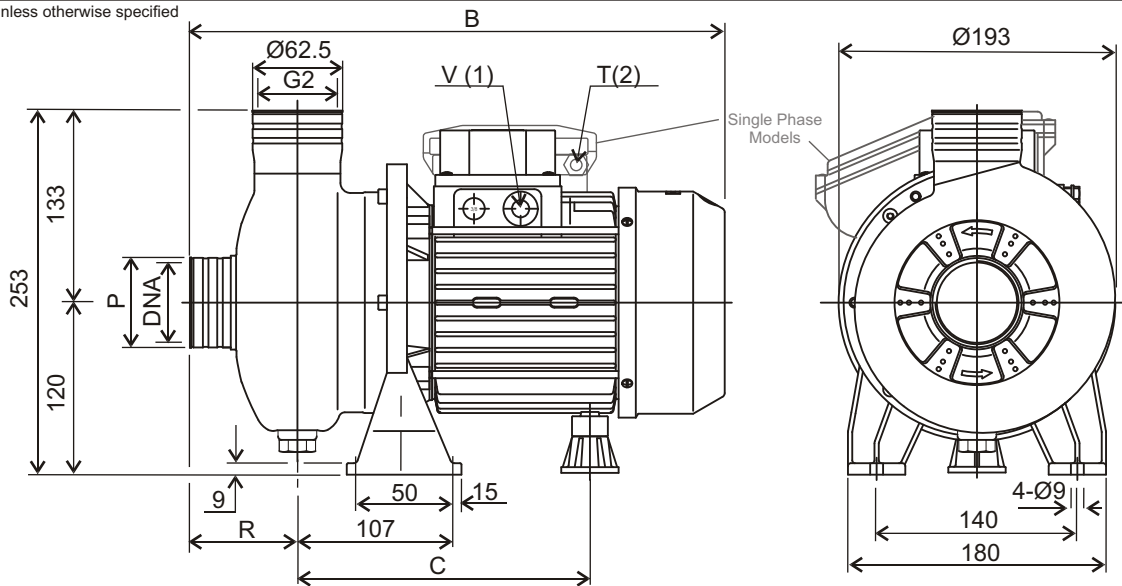
(1) - Single Phase Only
(2) - Three Phase Only

No.	PART NAME	MATERIAL	QTY	No.	PART NAME	MATERIAL	QTY	No.	PART NAME	MATERIAL	QTY
1	Casing	AISI 304	1	18	Splash ring	NBR	1	42	Motor support	Aluminium	1
3	Motor bracket	Aluminium	1	19	Pump side ball bearing	-	1	50	Spacer	-	1
4	Casing cover	AISI 304	1	20	Fan side ball bearing	-	1	52	Terminal box [1]	Polypropylene	1
6	Shaft with rotor	AISI 304 (In contact with liquid)	1	21	Adjusting ring	Steel C70	1	56	Box gasket	NBR	1
7	Impeller	AISI 304	1	22	Tie rod	Fe 42	4	75	Washer	AISI 304	2
11	Mechanical seal	Ceramic/Carbon/NBR	1	23	Capacitor [1]	-	1	77	O-ring	NBR	2
12	Motor frame with stator	-	1	24	Priming/Drain plug	AISI 304	2	90	Cover gasket [1]	NBR	1
13	Motor cover	Aluminium	1	26	O-ring	NBR	1	92	Lip seal	-	1
14	Fan	Polypropylene	1	30	Mechanical seal protection	AISI 304	1	93	Lip seal	-	1
15	Fan cover	Fe P04	1	32	Key	AISI 304	1	110	Protector [1]	-	1
17	Terminal box cover [2]	Aluminium	1	34	Impeller nut	AISI 304	1	200	Screw	Stainless steel A2 UNI7323	6

Dimensions

Model **DWO**

Units: mm unless otherwise specified



(1) - Three Phase models (2) - Single Phase models

Pump Model	Dimensions (mm)							Pump Model	Dimensions (mm)						
	B	C	R	ØP	V (1)	T (2)	ØDNA		B	C	R	ØP	V (1)	ØDNA	
DWO 150/150M	364	198.5	74	62.5	PG11	PG13.5	G2	DWO 300	390	215.5	78	80	PG13.5	G2½	
DWO 200/200M	364	198.5	74	62.5	PG11	PG13.5	G2	DWO 400	415	240.5	78	80	PG13.5	G2½	

Specifications subject to change without notice



EBARA PUMPS Australia Pty. Ltd

Data Sheet

DWO 07-07