

Open-impeller centrifugal pumps with hydraulic parts made of AISI 304 stainless steel, suitable for handling suspended solids in food processing, e.g. washing vegetables, meat and fish.

Industrial washing machines for bottles, jars, glasses and crates, where the liquid may contain solids.

Process applications such as paint plants and general handling of dirty liquids.

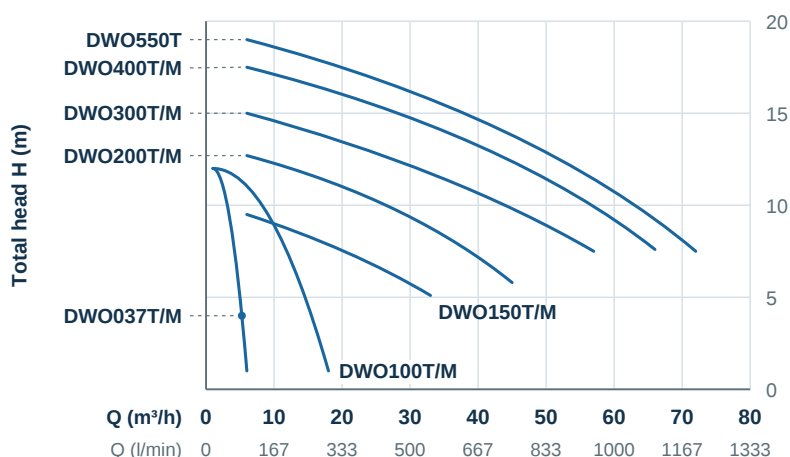


RANGE CHARACTERISTICS

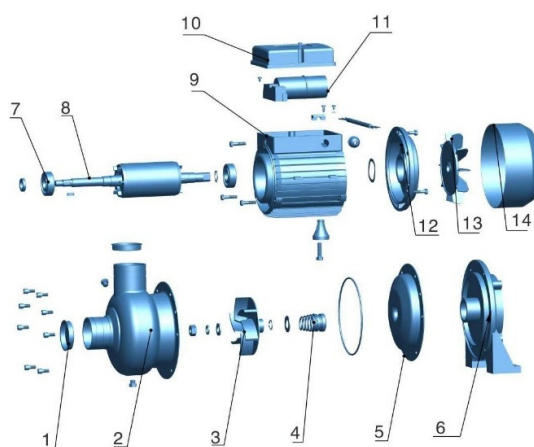
Power	0.37–4 kW (0.5–5.5 HP)
Max. flow rate	72 m³/h
Max. head	19 m
Speed	$n \approx 2900$ /min
Frequency	50 Hz
Power supply	1~ 220–240 V / 3~ 380–415 V

Model code: DWO + size + T or M (T: three-phase 3~; M: single-phase 1~)
Example: DWO150T, DWO150M

Q–H CURVES



EXPLODED VIEW AND MATERIALS



OPERATING CONDITIONS

Max. working pressure: 8 bar
Max. liquid temperature: 90 °C
Passage of solids: max. Ø 19 mm

MOTOR AND PORTS

2-pole asynchronous motor, insulation class F, protection IP55
Single-phase: permanent split capacitor and automatic thermal overload protection
Three-phase: thermal protection to be provided by the user
Suction DNA: 1"1/4 for DWO037 and DWO100, 2" for DWO150 and DWO200, 2"1/2 for DWO300, DWO400 and DWO550T
Delivery DNM: 1"1/4 for DWO037 and DWO100, 2" for DWO150 to DWO550T

NO.	PART	MATERIAL
1	Inlet cover	Plastic
2	Pump body	AISI 304
3	Impeller	AISI 304
4	Mechanical seal	Carbon/Ceramic/NBR
5	Flap	AISI 304
6	Support	Cast iron
7	Bearing	High quality
8	Shaft	AISI 304
9	Motor housing	Cast iron
10	Top cover	Plastic
11	Capacitor	High quality
12	Motor cover	Cast iron
13	Fan	Nylon
14	Fan cover	Steel

PERFORMANCE DATA

50 Hz | $n \approx 2900$ /min

MODEL		P ₂		I (A)		Q										
3~ 380–415 V	1~ 220–240 V	kW	HP	3~ 400 V	1~ 230 V		1	6	12	18	24	33	45	57	66	72
DWO037T	DWO037M	0.37	0.5	1.1	2.8	H (m)	16.7	100	200	300	400	550	750	950	1100	1200
DWO100T	DWO100M	0.75	1	1.9	4.9		12	1	–	–	–	–	–	–	–	–
DWO150T	DWO150M	1.1	1.5	2.5	6.8		12	11.0	7.4	1	–	–	–	–	–	–
DWO200T	DWO200M	1.5	2	3.5	9.0		–	9.5	8.9	7.9	6.9	5.1	–	–	–	–
DWO300T	DWO300M	2.2	3	4.8	12.9		–	12.7	12.3	11.5	10.5	8.6	5.8	–	–	–
DWO400T	DWO400M	3.0	4	6.4	17.3		–	15	14.5	13.8	12.9	11.7	9.7	7.5	–	–
DWO550T	–	4	5.5	8.4	–		–	17.5	16.9	16.3	15.6	14.3	12.4	9.8	7.6	–
							–	19	18.4	17.8	17.1	15.8	13.9	11.3	9.1	7.5

T = three-phase 3~ M = single-phase 1~ – not applicable