

# WTO

## Open Impellered Stainless Steel Pumps



### FEATURES

- Electric pump adopt stainless steel with advanced stamping and weld processing technology
- All components in contact with pumped liquid are made of AISI 304 or AISI 316 stainless steel
- Close-coupled, single impeller centrifugal pump with axial suction and radial delivery.
- Compact design, impeller is keyed directly to the motor shaft extension.
- Back pull-out design, no need to disconnect the pump body from the system pipes.
- Open-impeller with no diffusers or cavities for easier cleaning and maintenance, convey solid with diameter max. 19 mm.
- Efficient spiral-cased pump body design.
- Self-ventilated 2 poles asynchronous, squirrel cage rotor.
- Low noise standard motor with high-quality mechanical seal.
- Thermal protection for single phase motor.
- Protection under user's responsibility for the three phase version.
- Temperature of pumped liquid: -10°C to +110°C
- Insulation class F, IP55 protection
- Maximum operating pressure: 10 Bar
- Maximum environmental temperature: 40°C
- Variable speed by optional "W-Drive" drive.

### APPLICATIONS

- Multi-purpose, transport a wide range of liquid.
- Washing vegetables, meat and fish.
- Industrial washing plants at cycle end.
- Washing and surface finishing of metal pieces, boxes, washing, bottles, vases, glass containers, crates, baskets.
- Industrial washing machines and commercial dishwashers
- Painting booths
- Washing of procedure in the packaging industry.
- Food and industry washing equipment and systems (bottle washing, citrus processing, brewing, sanitary ware)
- Dyeing plant and textile industry

- Plants for the circulation and transfer of moderately viscous liquids, with light chemical aggressiveness.
- Medical Chillers, laser cooling, sanitary equipment
- Film washing
- Heating, ventilating and air conditioning (HVAC)
- Air Scrubbers
- Water re-circulations
- Cooling towers
- Cooling systems
- Chillers
- Induction heating
- Heat exchangers
- Extrusion machines
- Manufacture of polymers
- Degreasing
- Parts Washing
- Waste treatment

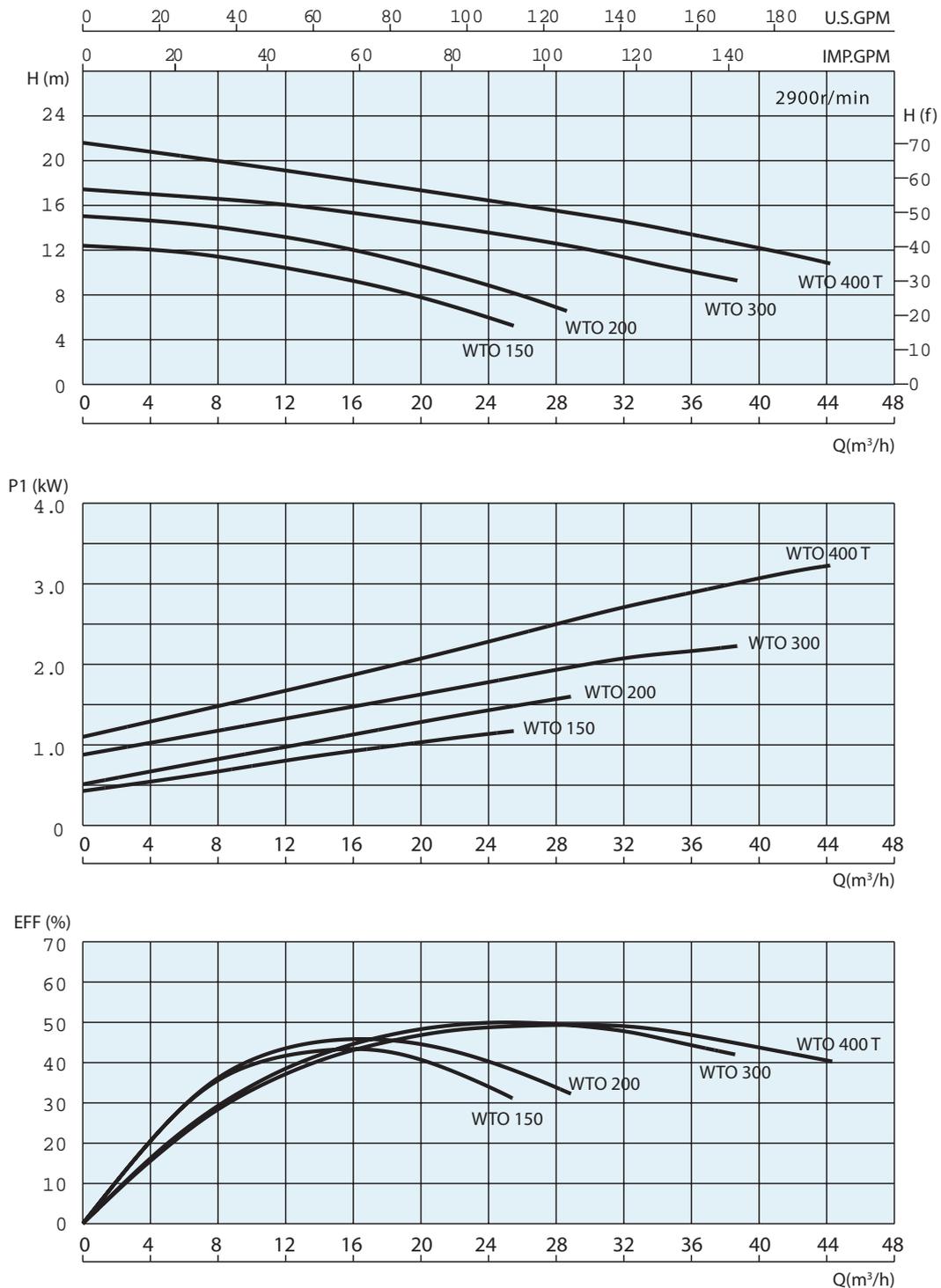
### MOST COMMONLY USED LIQUIDS

- Caustic Soda (25 %)
- Water Deionized (100 %)
- Water Demineralized (100 %)
- Citric Acid (5 %)
- Acetic Acid (80 %)
- Phosphoric Acid (15 %)
- Clean Water (100 %)
- Freon 113 (100 %)
- Ethylene glycol (50 %)
- Castor Oil (100 %)
- Mineral Oil (100 %)
- Sulphuric Acid (2 %, 97-98 %)

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### Performance Curve

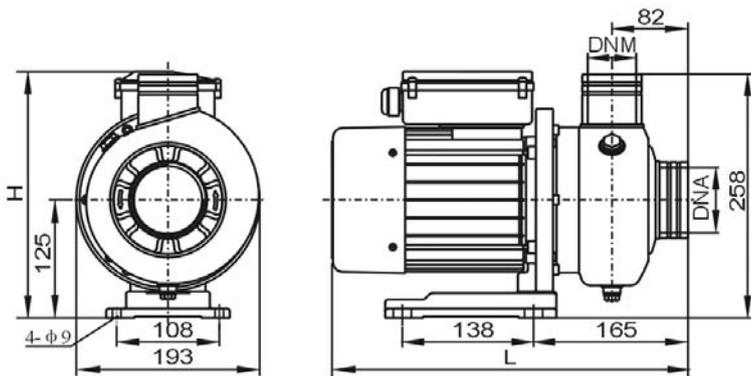


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### Performance Tables and Dimensions

MODEL	P2		1 PH 230 V A	3 PH 400 V A	l/min Q m <sup>3</sup> /h	100	166	233	300	366	433	500	566	666	Weight kg
	kW	HP				6	10	14	18	22	26	30	34	40	
WTO 150	1,1	1,5	7	2,6	H m	11,5	10,5	9	7,5	6,5	5	-	-	-	16
WTO 200	1,5	2	9,2	3,5		14	13	12	10,5	9,5	8	6	-	-	17,4
WTO 300	2,2	3	14	4,9		16,7	16,5	15,5	14,5	13,5	12,5	11	10	-	22
WTO 400 T	3	4	-	6,3		20	19	18,5	17,5	17	16	15	14	13	23



Part	Material
Pump Body	AISI 304/AISI 316
Impeller	AISI 304/AISI 316
Shaft	AISI 304/AISI 316
Mechanical Seal	SIC/SIC/EPDM

Model	Power P2 (kW)	L	H (Single phase)	H (Three phase)	DNA	DNM
WTO 150	1,1	378	265	235	G2	G2
WTO 200	1,5	378	265	235	G2	G2
WTO 300	2,2	415	242	242	G2-1/2	G2
WTO 400T	3	432	/	242	G2-1/2	G2