



QUALITY Stainless Steel Centrifugal Pump Type DWC

APPLICATIONS

- Chillers
- Refrigeration
- Conditioning and heating
- Transferring of industrial liquids
- Domestic and industrial water supply
- Irrigation
- Swimming pools
- Washing systems
- Drainage

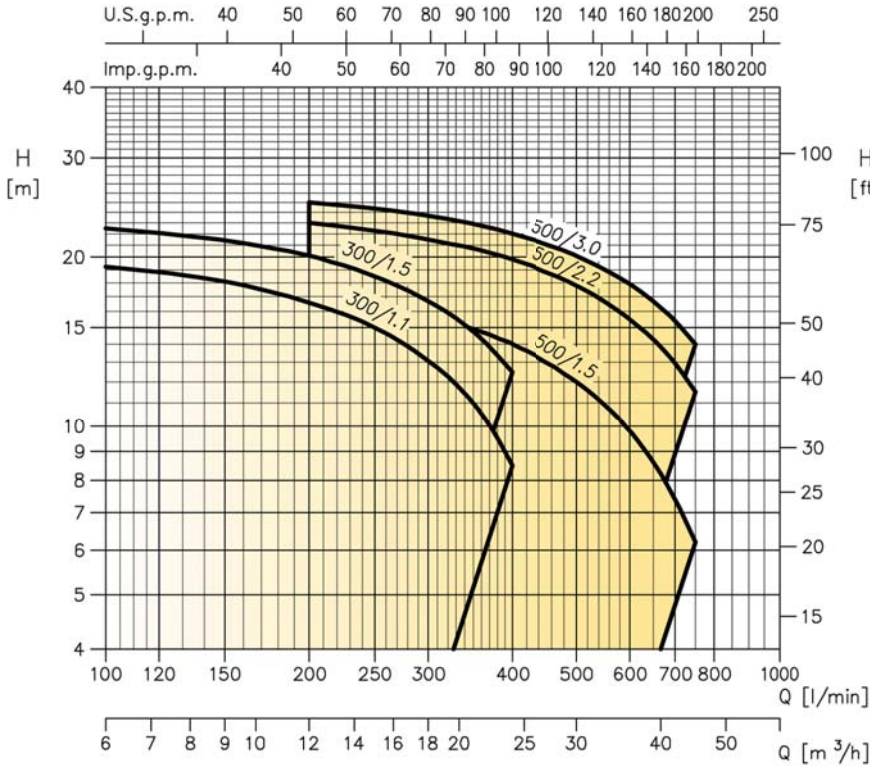
FEATURE / BENEFIT

- Hydraulic robust construction, enhance pumping operation.
- High performance and efficiency design, thus energy saving.
- Ebara exclusive patent for hydraulic volute obtained from hydro-forming process.
- EPDM mechanical seal and elastomers as standard.
- Connections: - Female thread G2
- Hose-union
- Stainless steel AISI304 for all wetted parts ensure long lasting operation.



SPECIFICATION

| PUMP | | |
|-----------------------------|------------------|---|
| Liquid Handled | Type of liquid | Clean water, moderate aggressive fluids, glycol solutions, other industrial fluids (kindly contact Ebara for details) |
| | Temperature [°C] | -15°C + +90°C +110°C version H |
| Maximum working pressure | [MPa] | 0.8 |
| Construction | Impeller | Closed centrifugal type |
| | Shaft seal type | Mechanical seal |
| | Bearing | Sealed ball bearing |
| Pipe Connection | Suction | G 2 |
| | Discharge | G 2 |
| Material | Casing | EN 1.4301 (AISI 304) |
| | Impeller | EN 1.4301 (AISI 304) |
| | Casing cover | EN 1.4301 (AISI 304) |
| | Shaft seal | Ceramic/Carbon/EPDM |
| | Casing cover | EN 1.4301 (AISI 304) |
| | Shaft | EN 1.4301 (AISI 304) (Part in contact with liquid) |
| | Bracket | Aluminium |
| Motor TEFC | Motor Type | TEFC / Sq. cage Class F, IP55, 2 Pole 3 Ph / 50 Hz / 400 v ± 10% |
| Applicable standard of test | | ISO 9906 – Annex A |



Quality AISI304 components



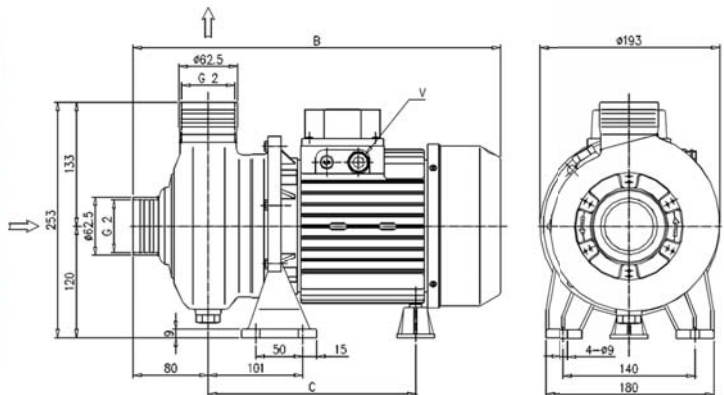
2" connection (standard)
*Vitaolic connection available as option.

PERFORMANCE TABLE

| Pump Type Three-phase | Power | | Current in [A] 3 Ph/400 V | | Q=Capacity | | | | | | | | | | | | | |
|--------------------------|-------|-----|------------------------------|----------------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | kW | HP | Full Load Current | Locked Rotor Current | l/min | 0 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 500 | 600 | 700 | 750 | |
| | | | | | m ³ /h | 0 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 30 | 36 | 42 | 45 | |
| H=Total head in meters | | | | | | | | | | | | | | | | | | |
| DWC 300/1.1 | 1.1 | 1.5 | 2.5 | 13.7 | | 21.0 | 19.2 | 18.1 | 16.6 | 15.0 | 13.1 | 11.0 | 8.5 | - | - | - | - | |
| DWC 300/1.5 | 1.5 | 2 | 3.2 | 20.6 | | 24.5 | 22.5 | 20.1 | 18.5 | 16.7 | 14.6 | 12.0 | - | - | - | - | | |
| DWC 500/1.5 | 1.5 | 2 | 3.4 | 22.2 | | 18.5 | - | - | 17.0 | 16.4 | 15.7 | 14.9 | 14.0 | 12.0 | 9.8 | 7.4 | 6.2 | |
| DWC 500/2.2 | 2.2 | 3 | 4.8 | 37.3 | | 24.5 | - | - | 23.0 | 22.3 | 21.5 | 20.7 | 19.8 | 17.8 | 15.5 | 13.0 | 11.5 | |
| DWC 500/3.0 | 3 | 4 | 5.6 | 57.6 | | 26.3 | - | - | 25.0 | 24.4 | 23.7 | 22.9 | 22.0 | 20.0 | 17.6 | 15.0 | 13.6 | |

DIMENSION

| PUMP TYPE | DIMENSIONS [mm] | | | WEIGHT [kg] |
|-------------|-----------------|-------|--------|-------------|
| | B | C | V | |
| DWC 300/1.1 | 371.5 | 197.5 | PG11 | 13.6 |
| DWC 300/1.5 | 371.5 | 197.5 | PG11 | 14.2 |
| DWC 500/1.5 | 371.5 | 197.5 | PG11 | 15 |
| DWC 500/2.2 | 392 | 221.5 | PG13.5 | 17.1 |
| DWC 500/3.0 | 392 | 221.5 | PG13.5 | 20 |



*All specifications are subject to change without prior notice.



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