

EBARA

Submersible Dewatering Pump

Models DWP/DWPM



construction | mining | power stations | steel mills | aquaculture



EBARA Fluid Handling

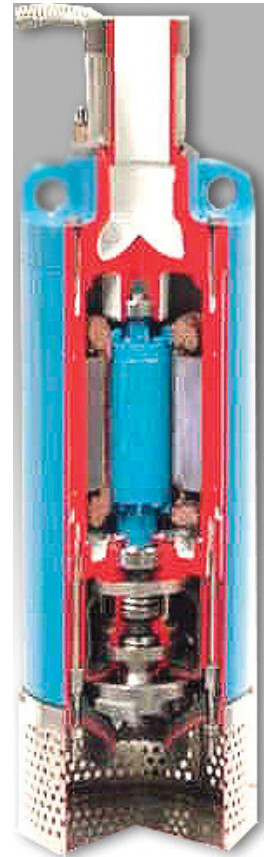
EBARA International Corporation

Model DWP / DWPM

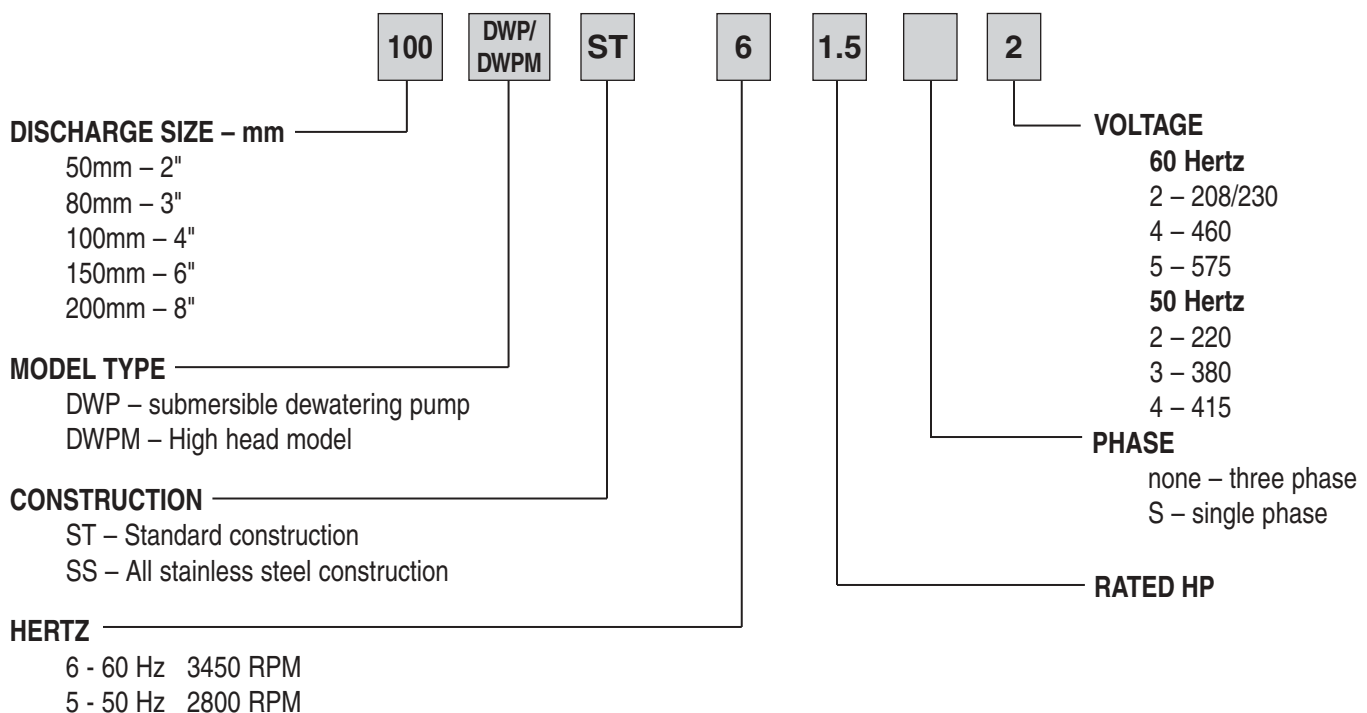
Features & Design Advantages

Portable, slim-line top discharge submersible dewatering pumps are capable of handling contaminated fluids in the corrosive and severest of applications at construction sites, mines, power stations, steel plants, ships, and in aquaculture.

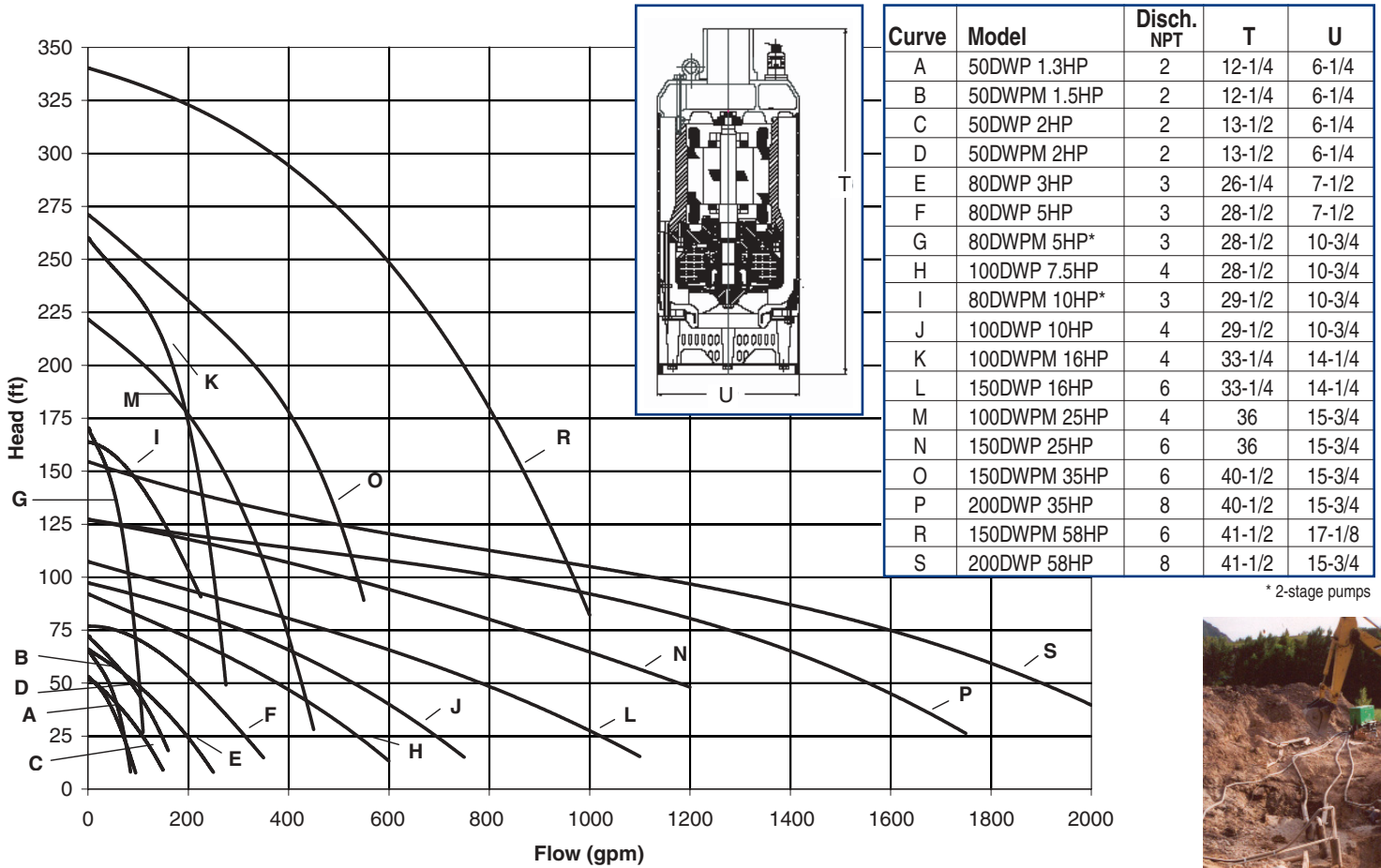
- Capacity to 2000 GPM; Heads to 340 feet
- Heavy duty motor
 - Oversized shaft and bearings
 - Available from 1.3 HP to 58 HP; Available in most voltage / frequency combination
 - 2- pole squirrel cage induction type continuous rated, Class F insulation (155° C)
 - Maximum 15 starts per hour
 - Power cable – UL / CSA listed
- Tandem UPPER & LOWER tungsten carbide/tungsten carbide mechanical seals
 - Pressure compensated oil chamber for optimal seal life
- Unique **SAND GUARD** seal housing prevents sand/debris from collecting on outer seal face during pump operation.
- Standard sacrificial zinc anodes provide protection from galvanic corrosion
- Cable sealing system seals power cord AND individual leads in the gland assembly
- SS impeller, shaft, strainer, hardware and outlet for maximum corrosion resistance
- Hardened 410 SS impeller for abrasive applications
- 316 SS impeller for corrosive applications (optional)
- Field adjustable rubber lined diffuser and wear plates provide for optimum pump efficiency
- Three foot long SS cable sheath terminating at cable gland for strain relief
- SS NPT outlets or hose connections
- Available in complete stainless steel construction
- Maximum water temperature to 104°F (40°C)



Model Designation



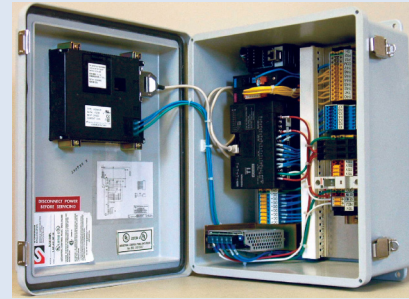
DWP / DWPM Selection Chart (60 Hz) & Dimensions (in inches)



Material Specifications

| Materials | Standard Construction | All Stainless Construction |
|--|---|--|
| Inner casing 1.3 to 58 HP 58HP DWPM | Epoxy coated aluminum Cast iron | 316 SS 316 SS |
| Outer casing 1.3 to 10 HP 16 to 58 HP 58HP DWPM | Epoxy coated aluminum Epoxy coated carbon steel Cast iron | 316 SS 316 SS 316 SS |
| Shaft | | 431 SS |
| Impeller | | 410 SS (optional 316SS) Nitrile rubber coated |
| Open mixed flow Diffuser/Wearplate | | |
| Strainer | 304 SS | 316 SS |
| Impeller nut | | 410 SS |
| Mechanical Seal Material – Upper Side Material – Lower Side | Tandem Mechanical Seal Tungsten Carbide/Tungsten Carbide Tungsten Carbide/Tungsten Carbide | Upper seal is lip seal only, for 1.3 - 2 HP models |
| Bearing Upper 1.3 to 58 HP (all models) Lower 1.3 to 10 HP 16 to 58 HP | Single row deep groove with high temperature grease containing special anti-corrosion additive Single row deep groove with high temperature grease containing special anti-corrosion additive Double angular contact lower bearings; enclosed with high temperature grease containing special anti-corrosion additive | |

true control



STATION-BOSS *Total Flow Control*

The StationBoss monitors and adjusts pump flows to meet changing system requirements, thereby increasing pump station capacity and improving efficiencies.

The StationBoss controls up to 4 pumps (with multiple HP ratings) for industrial, municipal, water, and wastewater applications. The SCADA system provides remote monitoring operations and troubleshooting. The StationBoss features a user-friendly touch screen operation with "plug and play" VFD Operation and unlimited starts per hour.

EBARA BASIC Control Panel

High quality and cost effective, Simplex or Duplex panels available for 2 to 30 HP, pump control. Type 4X enclosures with all the basics to get your pump equipment running.

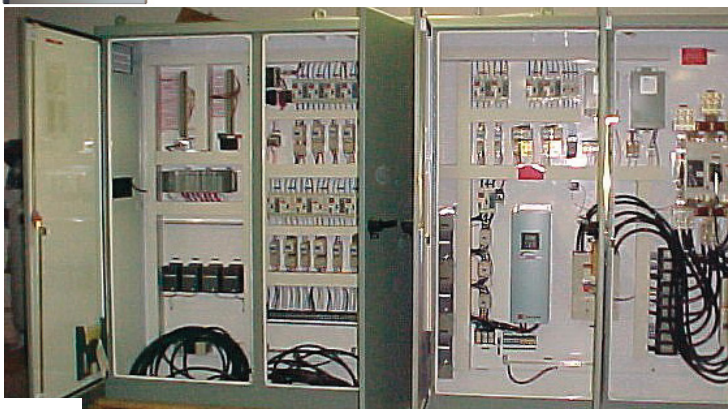
EBARA STANDARD Control Panel

These panels feature standard 3R enclosures and are equipped to meet the requirements for most municipal spec's for 2 to 60HP pump control.

EBARA CUSTOM Control Panel

Ebara can design and build a panel to meet your specifications and requirements at the highest quality and at a very competitive price.

(Please note: longer lead times may apply for custom panels.)



EBARA Fluid Handling

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