

4" DuraFlo™ Pump & Drive Unit

HTC004 - Hydraulic Submersible
Trash Pump and 800D Drive Unit



Member of:
Hydraulic
INSTITUTE

The MWI DuraFlo™ hydraulic submersible trash pumps coupled with their diesel or electric drive units are an unbeatable combination for: drying out construction holes, quarry dewatering, bypassing sewage, general municipal use and industrial work. These units are designed and manufactured for the toughest environments with the best combination of ruggedness, reliability, performance, operational costs and initial price. DuraFlos never quit - positively affecting your success and bottom line.

Features

DuraFlo™ - HTC004

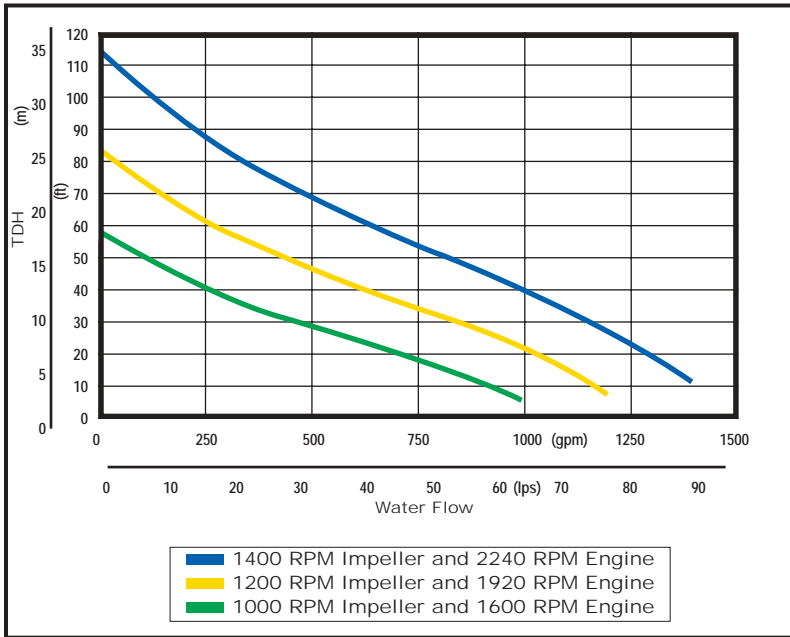
- High performance
 - 1350 GPM
 - 113 Ft. TDH
- Open 3 bladed impeller for handling trash and sewage
- Easily passes 1 1/2" solids
- Runs dry indefinitely
 - Oil lubricated seals and bearings
- Reliable, rugged Vane Hydraulic Motor
- Stainless steel shaft
- Replaceable wear plates
- Lifting point
- Steel volute - Weldable and shock proof
- Easy on and off hydraulic "Quick Disconnect" Fittings
- Optional mesh strainer (shown)
- Male NPT Discharge
- Vary flow by changing engine speeds

800D Diesel Engine Drive Unit

- Skid mounted unit - Standard
 - Trailer mounted unit available - With optional fenders, DOT light kit and braking system
- Reliable John Deere engine - Standard
 - Engine and hydraulic safety shutdowns
- Cat, Deutz, Perkins and other engines available
- Integral 77 gallon diesel tank providing extended run capability
- Complete Hydraulic System with control panel, pump, filters, tank and gauges
- Reliable, efficient Vane Hydraulic Pump
- Environmentally friendly - Readily biodegradable hydraulic fluid available
- Unit will shut down as hydraulic fluid loss is detected
- Auto Start Stop Panel available with floats

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HTC004 Performance



Materials & Specifications

HTC004

- Hydraulic Motor - Dennison Vane Type
- Impeller - 3 bladed open - A 36 steel
- Shaft material - 300 series stainless steel
- Volute - ASTM A242 corrosion-resistant, high strength steel
- Wear plates - A36 steel - upper and lower
- Discharge - 4" ANSI Pattern Flange
- Hydraulic quick disconnects - 3/4" Supply, 1" Return, 3/4" Case Drain
- Mechanical seal - Silicone carbide - Hydraulic-fluid bathed
- Bearings - Hydraulic-fluid lubricated - 50,000 hours - Minimum life.
- Weight - 175 lbs
- Coating - MoTar Standard - Epoxy optional

800 Drive Unit

- Engine - JD4024T 30 cont. HP at 1800 RPM
- Murphy engine panel with tach, hour meter, high coolant temperature and low oil pressure shutdowns plus over speed protection.
- 77 gallon vented fuel tank with extra large filler and fuel gauge.
- Safety shutdowns for low hydraulic oil, excessive vacuum and high hydraulic oil temperature.
- Equipped with an internal suction strainer, return filter, external sight gauge for hydraulic oil and vented hydraulic oil filler cap.
- Hydraulic pump - Dennison Vane type
- Output - 15 GPM - 3000 psi @ 2000 RPM
- Weight - 3400 lbs - skid

Physical Data

