



Solids Handling Vortex Hydraulic Motor Driven Submersible Pump Model HSV4A31-HYD Size 4"

PUMP SPECIFICATIONS

Casing: Ductile Iron 65-45-12.

Maximum Operating Pressure 114 psi (786 kPa).*

Impeller: Six Vane Vortex, Stainless Steel CD4MCu.

Handles 3 1/2" (88,9 mm) Diameter Solids.

Wear Plate: Stainless Steel 316.

Wear Ring: Stainless Steel 316.

Bearing Housing: Ductile Iron 65-45-12.

Hydraulic Motor Housing: Gray Iron.

Shaft: Stainless Steel 17-4PH.

Upper and Lower Bearings: Open Single Row Ball.

Bearing Lubrication: SAE 30 Non-Detergent Oil.

Discharge Flange: Ductile Iron 65-45-12.

O-Rings: Buna-N.

Wetted Hardware: Stainless Steel 304.

Standard Equipment:

Strainer/Pump Mounting Stand.

Hoisting Bail.

Hydraulic Motor Input And Output Hoses.

Maximum Temperature of Liquid Pumped, 170°F (77°C).*

(Hydraulic Oil to motor should be cooled)

Optional Equipment:

1.00" (25,4mm) Hydraulic Hose w/Quick Disconnect Fittings.**

* Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.

** Hydraulic Hose Available in 50 Foot (15,2 Meter) Increments: Maximum Recommended Length 150 Feet (45,7 Meters), Specify Length at Time of Order.



HYDRAULIC MOTOR SPECIFICATIONS

Hydraulic Motor: Variable Speed Gear.

Hose Ports: 1.00" (25,4 mm) NPT.

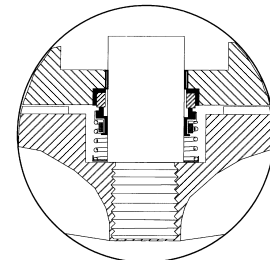
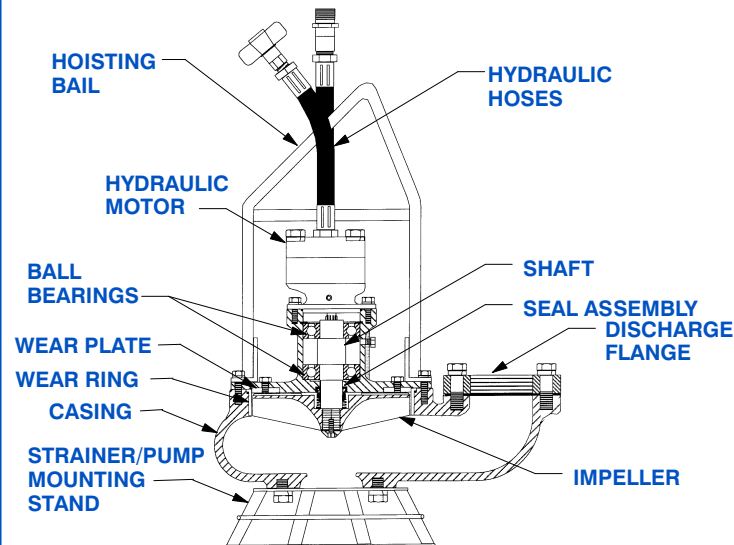
Operating Pressure: Max. 2900 psi (19995 kPa).

Hydraulic Oil: 214-320 ssu @ 100°F (64°C).

Input Flow: Variable, 15-30 GPM (53-106 LPM).

Power Source: Any Open Center Hydraulic System.

Minimum Power Requirement: 60 H.P.



SEAL DETAIL

Mechanical, Oil Lubricated. Carbon Rotating Face, Ceramic Stationary Face. Buna-N Elastomers. Stainless Steel 304 Cage and Spring.



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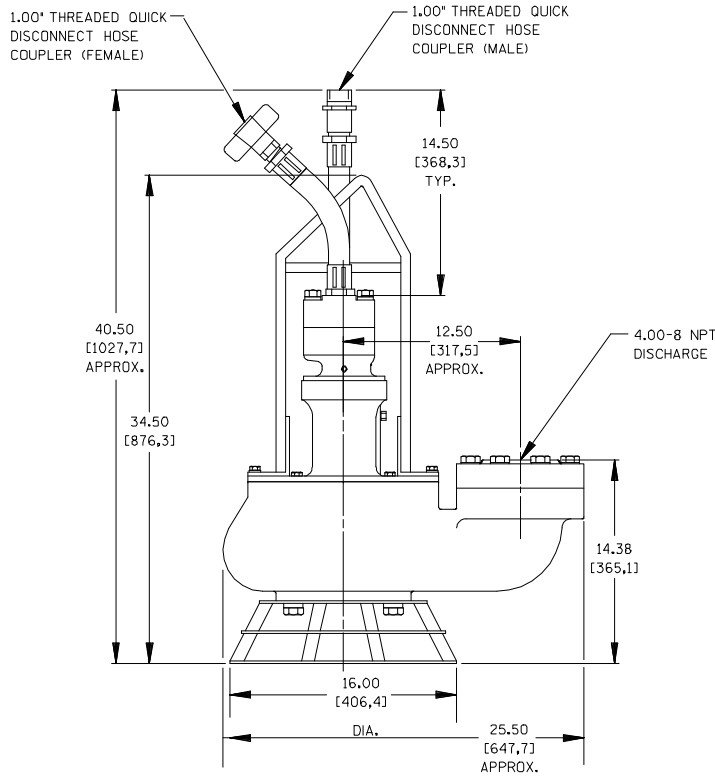
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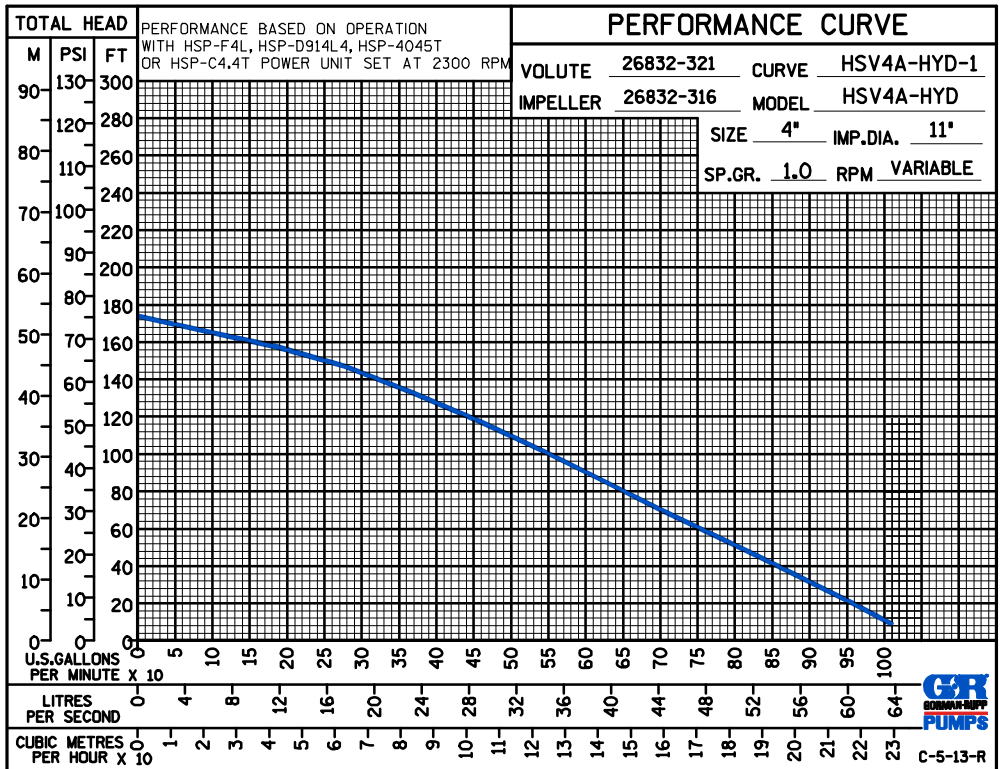
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APPROXIMATE
DIMENSIONS and WEIGHTS

NET WEIGHT: 324 LBS. (147 KG.)
SHIPPING WEIGHT: 364 LBS. (165 KG.)
EXPORT CRATE: 12.7 CU. FT. (0.36 CU. M.)



DIMENSIONS:
INCHES
[MILLIMETERS]



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