Submersible Pump

Model HS8A31-HYD

Size 8”

PUMP SPECIFICATIONS

Casing: Ductile Iron.
Maximum Operating Pressure 52 psi (359 kPa).*
Impeller: Two Vane Channel Type, Stainless Steel 17-4PH. Handles 5” (127 mm) Diameter Solids.
Wear Ring: Ductile Iron.
Bearing Housing: Ductile Iron.
Hydraulic Motor: Ductile Iron.
Shaft: Stainless Steel 17-4PH.
Upper Bearing: Open Single Row Ball.
Lower Bearing: Open Double Row Ball.
Bearing Lubrication: SAE 30 Non-Detergent Oil.
Discharge Flange: Steel.
O-Rings: Buna-N.
Wetted Hardware: Stainless Steel 304.

Standard Equipment:

Strainer/Pump Mounting Stand.
Hoisting Bail.
Hydraulic Motor Input and Output Hoses. 1 Ft. (304,8 mm) long with 1.00” NPT Quick Disconnect Fittings.
Maximum Temperature of Liquid Pumped,170°F (77°C).*
(Hydraulic Oil to motor should be cooled)

Optional Equipment:

Hydraulic Power Unit (See Spec Sheet This Section).
1.00” (25,4mm) Hydraulic Hose w/Quick Disconnect Fittings.**

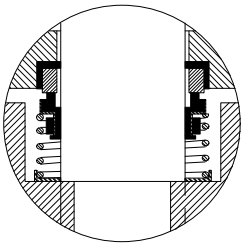
HYDRAULIC MOTOR SPECIFICATIONS

Hydraulic Motor: Variable Speed Gear.
Hose Ports: 1.00” (25,4 mm) NPT.
Operating Pressure: Max. 3000 psi (20684 kPa).
Hydraulic Oil: AW ISO 46.
Input Flow: Variable, Max 30 GPM (106 LPM).
Power Source: Any Open Center Hydraulic System.
Minimum Power Requirement: 74 H.P.

* *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.



SEAL DETAIL

Mechanical, Oil Lubricated. Silicon Carbide Rotating and Stationary Faces. With Buna-N Elastomers.

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Specification Data

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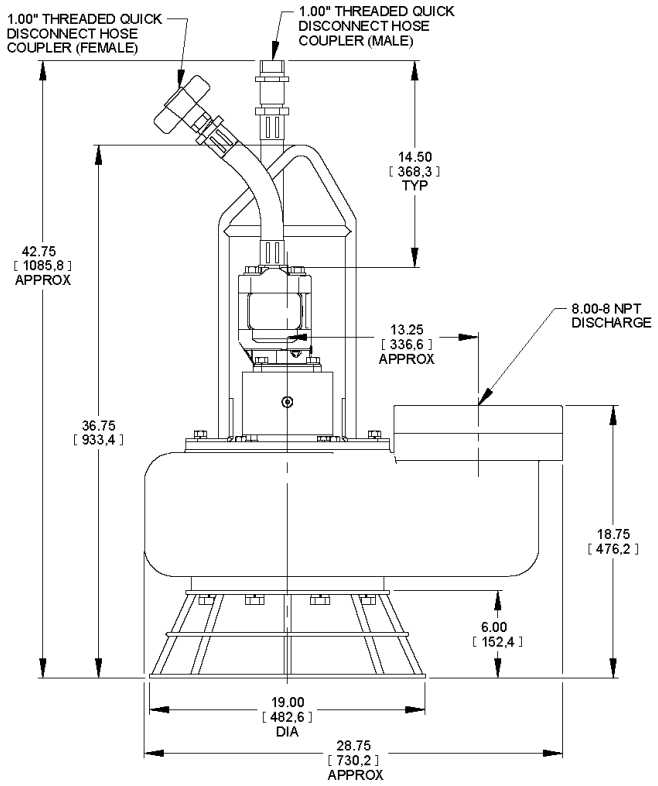
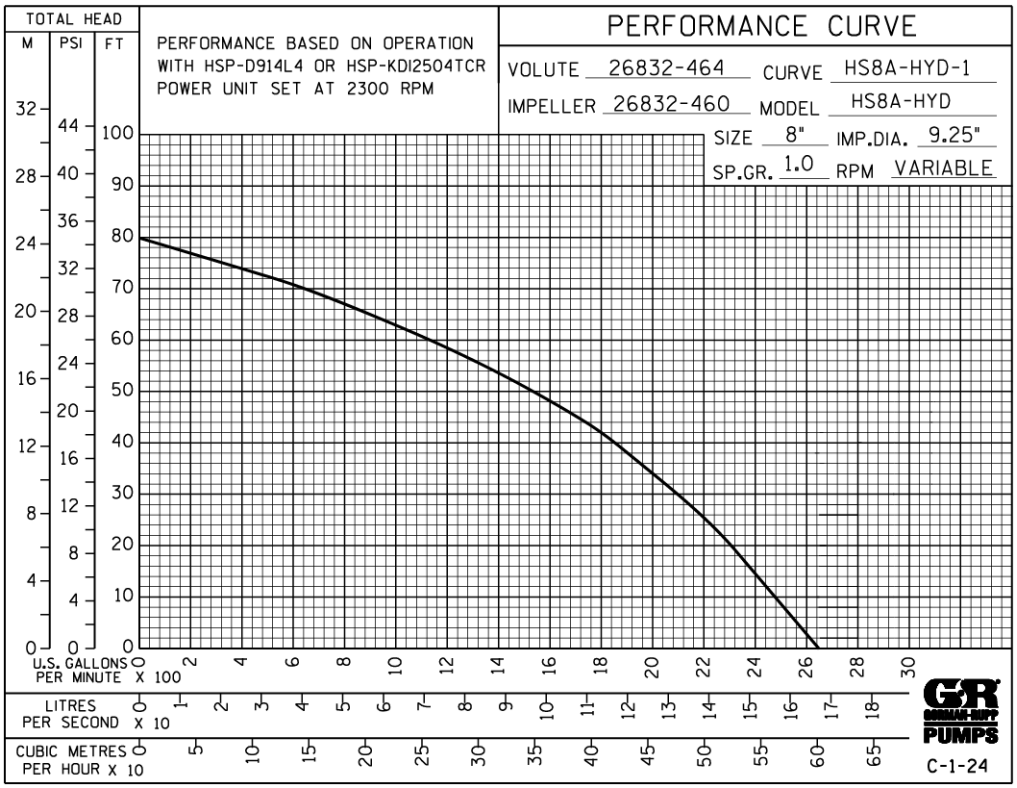
APPROXIMATE
DIMENSIONS and WEIGHTS

NET WEIGHT:	**475 LBS.**	**(215 KG.)**
SHIPPING WEIGHT:	**525 LBS.**	**(238 KG.)**
EXPORT CRATE:	**21.0 CU. FT.**	**(0,59 CU. M.)**



DIMENSIONS:
INCHES
[MILLIMETERS]



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Specifications Subject to Change Without Notice

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