Self Priming Centrifugal Pump

Model T4A60S-B

Size 4” x 4”

Specifications

**PUMP SPECIFICATIONS**

- **Size:** 4” x 4” (101 mm x 101 mm) NPT - Female.
- **Casing:** Gray Iron 30.
- **Maximum Operating Pressure:** 86 psi (593 kPa).*
- **Semi-Open Type, Two Vane Impeller:** Ductile Iron 65-45-12.
  - Handles 3” (76.2 mm) Diameter Spherical Solids.
- **Impeller Shaft:** Alloy Steel 4150.
- **Shaft Sleeve:** Alloy Steel 4130.
- **Replaceable Wear Plate:** Carbon Steel ASTM A36.
- **Removable Adjustable Cover Plate:** Gray Iron 30.
- **Removable Inspection Cover Plate:** Gray Iron 30; 12 lbs. (5.4 kg.).
- **Flap Valve:** Neoprene w/Nylon and Steel Reinforcing.
- **Seal Plate:** Gray Iron 30.
- **Bearing Housing:** Gray Iron 30.
- **Radial Bearing:** Open Single Row Ball.
- **Thrust Bearing:** Open Double Row Ball.
- **Bearing and Seal Cavity Lubrication:** SAE 30 Non-Detergent Oil.
- **Flanges:** Gray Iron 30.
- **Gaskets:** Buna-N, w/Compressed Synthetic Fibers, Vegetable Fiber, PTFE, Cork, and Rubber.
- **O-Rings:** Buna-N.
- **Hardware:** Standard Plated Steel.
- **Brass Pressure Relief Valve.**
- **Bearing and Seal Cavity Oil Level Sight Gauges.**
- **Optional Equipment:**
  - Automatic Air Release Valve. Metal Bellows Seal.
  - 120V/240V Casing Heater.
  - High Pump Temperature Shutdown Kit. Gray Iron 30 Suction and Discharge Spool Flanges:
    - 4" ASA (Specify Model T4A60S-B /F).
    - 100 mm DIN 2527 (PN 16) (Specify Model T4A60S-B /FM).

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

**SEAL DETAIL**

Specification Data

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APPROXIMATE DIMENSIONS and WEIGHTS

NET WEIGHT: 575 LBS. (261 KG.)*
SHIPPING WEIGHT: 614 LBS. (279 KG.)*
EXPORT CRATE: 22.7 CU. FT. (0.64 CU. M.)
*ADD 15 LBS. (6.8 KG.) W/EACH SPOOL FLANGE

NOTES:

- OPTIONAL 4-0 ASA OR DIN STANDARD SUCTION & DISCHARGE SPOOL FLANGES AVAILABLE.

**DETAILS**

- **NET WEIGHT:** 575 LBS. (261 KG.)
- **SHIPPING WEIGHT:** 614 LBS. (279 KG.)
- **EXPORT CRATE:** 22.7 CU. FT. (0.64 CU. M.)
- **ADD 15 LBS. (6.8 KG.)** W/EACH SPOOL FLANGE

**PERFORMANCE CURVE**

- **VOLUTE**
- **IMPELLER**
- **MODEL**
- **SIZE** 4"X4" IMP. DIA. 9.75"
- **SPGR. 1.0** RPM NOTED

**TOTAL HEAD**

- M
- PSI
- FT

**REHEATING LFTS**

- U.S. GALLONS PER MINUTE X 10
- LITERS PER SECOND
- CUBIC METERS PER HOUR X 10

**PERFORMANCE CURVE**

- **32.07** [749.6] TO 31.92 [819.9] DIN
- **12.49** [317.2] TO ASA FLANGE
- **29.51** [749.6]
- **4.99** [126.8] APPROX.
- **12.54** [315.4] TO DIN FLANGE
- **18.00** [457.2]
- **21.00** [584.2]
- **2.90** [73.7] HOLE

**DIMENSIONS AND WEIGHTS**

- **STANDARD 4.00-8 NPT SUCTION / DISCHARGE FLANGE**
- **18.00 [457.2] RECOMMENDED FOR REMOVAL OF BACK COVER PLATE**
- **T4AS-B / T4CSC-B**
- **10.00 [254.0] REQUIRED FOR REMOVAL OF BACK COVER PLATE**
- **T4BS-B**
- **11.50 [292.1] REQUIRED FOR REMOVAL OF BACK COVER PLATE**
- **0.69 [17.5] DIA 4 HOLES**
- **0.38 [9.6] X 0.19 [4.8] X 3.50 [88.9] LONG USEABLE KEYWAY**
- **STANDARD 4.00 [101.6] NPT SUCTION / DISCHARGE SPOOL FLANGES**
- **1.00 [25.4] 1.00 [25.4]**
- **12.49 [317.2] TO ASA FLANGE**
- **8.94 [226.9] TO DIN FLANGE**
- **29.51 [749.6]**
- **4.99 [126.8] APPROX.**
- **31.92 [819.9] DIN**
- **12.49 [317.2] TO ASA FLANGE**
- **29.51 [749.6]**
- **4.99 [126.8] APPROX.**
- **31.92 [819.9] DIN**
- **12.49 [317.2] TO ASA FLANGE**

**GORMAN-RUPP PUMPS**

www.grpumps.com

Specifications Subject to Change Without Notice

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