Self Priming Centrifugal Pump
Model T2A3-B
Size 2” x 2”

PUMP SPECIFICATIONS
Size: 2” x 2” (51 mm x 51 mm) NPT - Female.
Maximum Operating Pressure 79 psi (545 kPa).*
Semi-Open Type, Two Vane Impeller: Ductile Iron 65-45-12.
Handles 1 1/2” (38.1 mm) Diameter Spherical Solids.
Impeller Shaft: Alloy Steel 4150.
Shaft Sleeve: Alloy Steel 4130.
Replaceable Wear Plate: Carbon Steel 1026
Removable Cover Plate: Gray Iron 30; 20 lbs. (9 kg).
Seal Plate: Gray Iron 30.
Externally Replaceable Flap Valve: Neoprene w/Steel Reinforcing.
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, Vegetable Fiber, Cork and Rubber.
O-Rings: Buna-N.
Internal Wetted Hardware: Standard Plated Steel.
External Hardware: Standard Plated Steel.
Brass Pressure Relief Valve.
Bearing and Seal Cavity Oil Level Sight Gauges.
Optional Equipment: Automatic Air Release Valve.
Gray Iron 30 Suction and Discharge Spool Flanges:
2” ASA (Specify Model T2A3-B/FM).
50 mm DIN 2527 (PN 16) (Specify Model T2A3-B/FM).
*Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.

SEAL SPECIFICATIONS
**Specification Data**

**APPROXIMATE DIMENSIONS and WEIGHTS**

**NET WEIGHT:** 210 LBS. (95 KG.)*

**SHIPPING WEIGHT:** 220 LBS. (10 KG.)*

**EXPORT CRATE:** 7.9 CU. FT. (0.22 CU. M.)

*ADD 8 LBS. (3.6 KG.) W/EACH SPOOL FLANGE

**OPTIONAL ASA OR DIN STANDARD SUCTION & DISCHARGE SPOOL FLANGES AVAILABLE**
Performance Curve


NPSH @ 2900 RPM 37.1 kV

Select performance within operating range of curve.

Size: 2"x2"  Imp. Dia.: 5.50"  Sp.Gr.: 1.0  RPM: Noted

NPSH: 2900 RPM 37.1 kV

Note: NPSH required prior to using above table. DO NOT use as available Suction Lift.

Specifications Subject to Change Without Notice Printed in U.S.A.

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MARCH 2010
Figure NPSH required prior to using above table. Do NOT use as available Suction Lift.

1.50\% \times (38.1)^2$ DIA. MAX. SPHERICAL SOLIDS

**VOLUTE**: 38224-418
**CURVE**: T2A-B-6
**IMPELLER**: 38615-093
**MODEL**: T2A-B

**SIZE**: 2"x2" IMP. DIA. NOTED

**SP.GR.**: 1.0

**RPM**: 2900
# PERFORMANCE CURVE

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**VOLUTE 38224-418**  **CURVE T2A-B-11**

**IMPELLER 38615-093**  **MODEL T2A-B**

**SIZE 2"X2"**  **IMP.DIA. 6.38"**

**SP.GR. 1.0**  **RPM NOTED**

2 PUMPS IN PARALLEL

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**Notes:** See single pump curve for horsepower, efficiency, & NPSH.