

DATA SHEET

Specifications & Performance

Certified Quality



Quality System
ISO9001 Certified



Environmental Management System
ISO14001 Certified

Member of:
Hydraulic
INSTITUTE

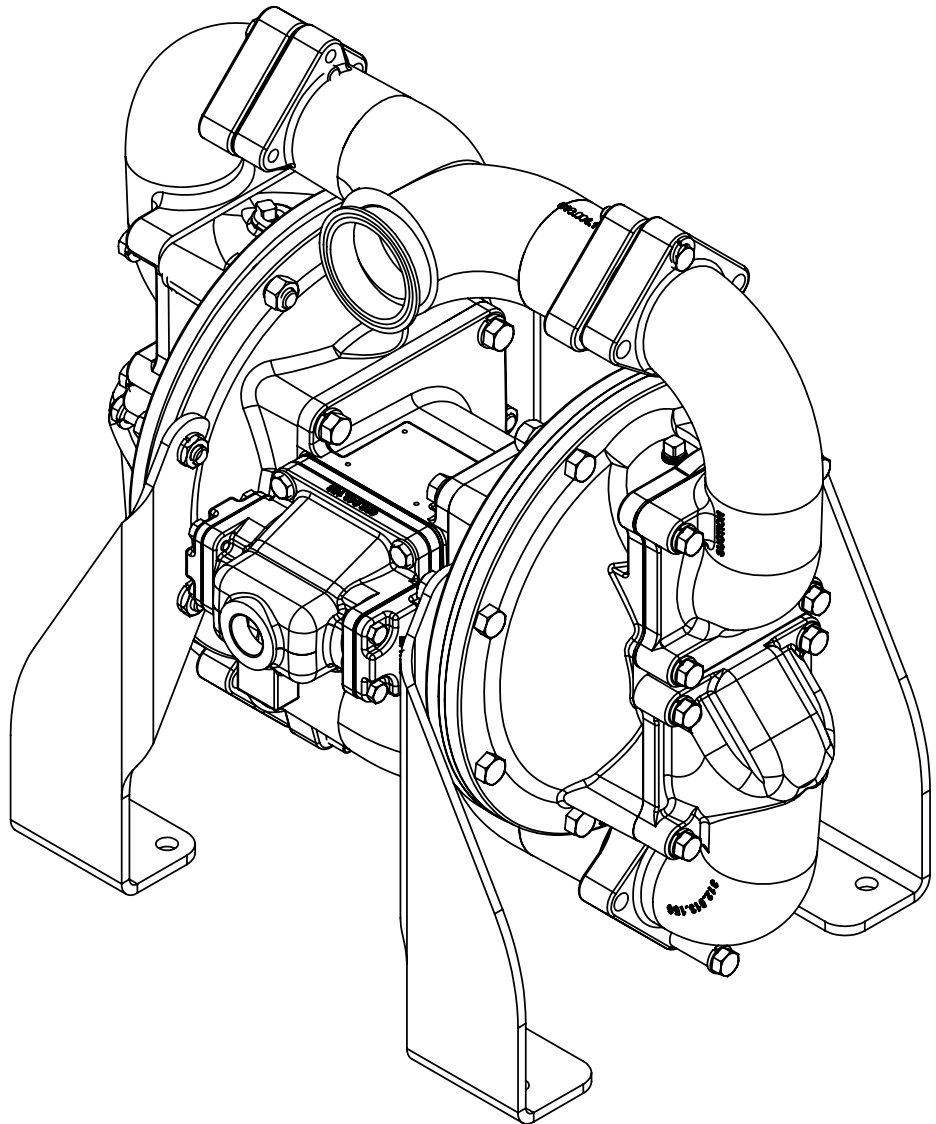
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A Unit of IDEX Corporation
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Model TSA2

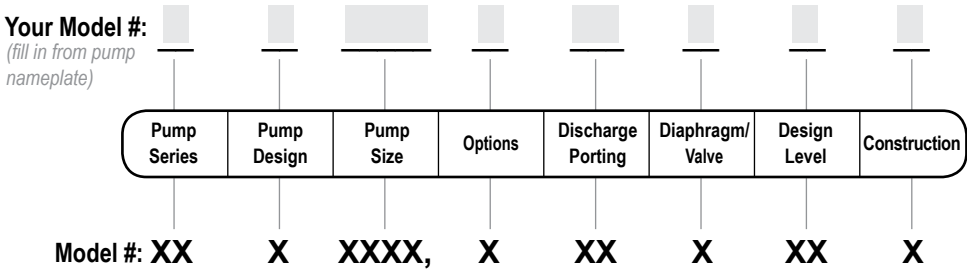
Design Level 5



SANDPIPER®
A WARREN RUPP, INC. BRAND

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Explanation of Pump Nomenclature



- Pump Series**
TS SANDPIPER®

Pump Design
A Flap

Pump Size
2 2 1/2" Sanitary Tri-Clamp

Discharge Porting Position
D Bottom
- Wet End Materials**
F FDA White Nitrile

Design Level
5

Construction
SW Stainless Steel Wetted, White Epoxy-Coated Aluminum Air Center

Your Serial #: (fill in from pump nameplate) _____

Performance

TSA2

SUCTION/DISCHARGE PORT SIZE

- 2.5" Sanitary Tri-Clamp Fitting

CAPACITY

- 0 to 140 gallons per minute
(0 to 530 liters per minute)

AIR DISTRIBUTION VALVE

- No-lube, no-stall design

SOLIDS-HANDLING

- Up to 2 in. (50mm)

HEADS UP TO

- 125 psi or 289 ft. of water
(8.8 Kg/cm² or 88 meters)

MAXIMUM OPERATING PRESSURE

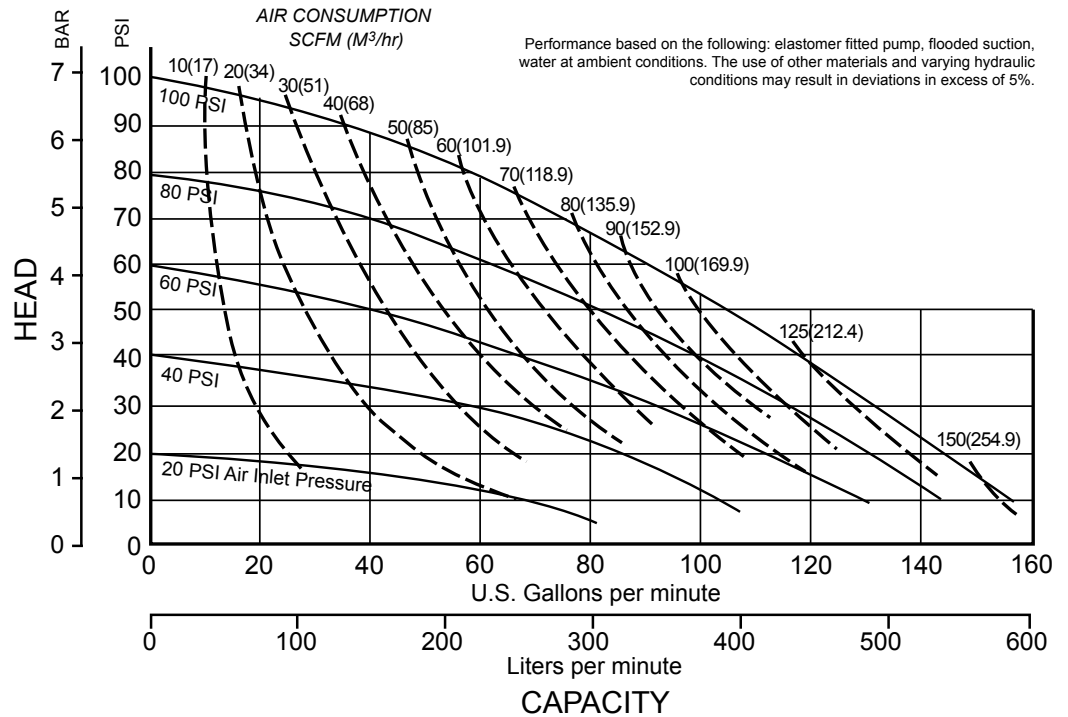
- 125 psi (8.6 bar)

DISPLACEMENT/STROKE

- .10 Gallon / .38 liter

SHIPPING WEIGHT

- Stainless Steel 133 lbs. (60kg)



Materials

Material Profile:

CAUTION! Operating temperature limitations are as follows:

Nitrile: General purpose, oil-resistant. Shows good solvent, oil, water and hydraulic fluid resistance. Should not be used with highly polar solvents like acetone and MEK, ozone, chlorinated hydrocarbons and nitro hydrocarbons.

Maximum and Minimum Temperatures are the limits for which these materials can be operated. Temperatures coupled with pressure affect the longevity of diaphragm pump components. Maximum life should not be expected at the extreme limits of the temperature ranges.

Metals:

Stainless Steel: Equal to or exceeding ASTM specification A743 CF-8M for corrosion resistant iron chromium, iron chromium nickel and nickel based alloy castings for general applications. Commonly referred to as 316 Stainless Steel in the pump industry.

Ambient temperature range: -20°C to +40°C

In addition, the ambient temperature range and the process temperature range do not exceed the operating temperature range of the applied non-metallic parts as listed in the manuals of the pumps.

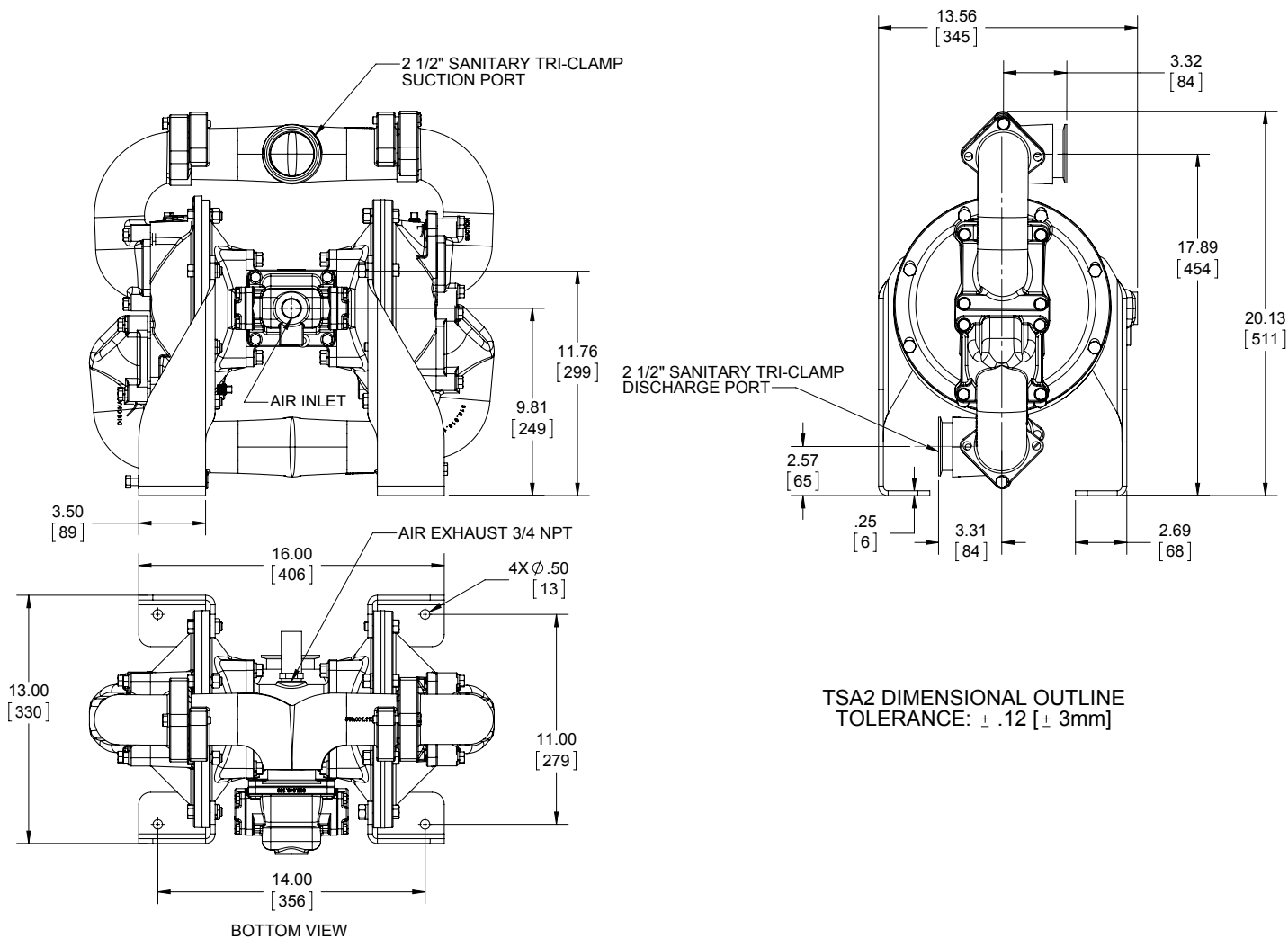
For specific applications, always consult the Chemical Resistance Chart.

Dimensional Drawings

TSA2

Dimensions in inches (metric dimensions in brackets).

Dimensional Tolerance .125" (3mm).



Written Warranty

5 - YEAR Limited Product Warranty

Quality System ISO9001 Certified • Environmental Management Systems ISO14001 Certified

Warren Rupp, Inc. ("Warren Rupp") warrants to the original end-use purchaser that no product sold by Warren Rupp that bears a Warren Rupp brand shall fail under normal use and service due to a defect in material or workmanship within five years from the date of shipment from Warren Rupp's factory. Warren Rupp brands include SANDPIPER®, MARATHON®, PortaPump®, SludgeMaster™ and Tranquilizer®.

~ See complete warranty at www.sandpiperpump.com/About/guaranteesandwarranties.html ~

**WARREN
RUPP, INC.®**

Declaration of Conformity

**Manufacturer: Warren Rupp, Inc.®, 800 N. Main Street, P.O. Box 1568,
Mansfield, Ohio, 44901-1568 USA**

Certifies that Air-Operated Double Diaphragm Pump Series: HDB, HDF, M Non-Metallic, S Non-Metallic, M Metallic, S Metallic, T Series, G Series, U Series, EH and SH High Pressure, RS Series, W Series, SMA and SPA Submersibles, and Tranquilizer Surge Suppressors comply with the European Community Directive 2006/42/EC on Machinery, according to Annex VIII. This product has used Harmonized Standard EN809:1998+A1:2009, Pumps and Pump Units for Liquids - Common Safety Requirements, to verify conformance.

David Roseberry
Signature of authorized person

David Roseberry
Printed name of authorized person

October 20, 2005
Date of issue

Engineering Manager
Title

Revision Level: F

August 23, 2012
Date of revision

IDEX
CORPORATION

CE