

SPECIFICATION DATA

TRAMCO *Series 500* Industrial Sump Pump

TRAMCO's *Series 500* Vertical Sump Pumps are engineered and precision built for years of dependable service. Quality materials and construction, together with a mechanical shaft seal design, allow continuous operation in temperatures up to 200° F.

Pump

The Series 500 is a centrifugal type pump fitted with a 2" discharge. It is fitted with a semi-open impeller accurately machined and balanced for smooth, quiet operation. Also available in all iron and 316 stainless steel.

Mechanical Shaft Seal

Series 500 pumps are fitted with a mechanical shaft seal which prevents the liquid being pumped from entering the lower sleeve bearing while retaining the lubrication in the pump. Several seals are available to meet your application.

Pump Lubrication

Tramco's lubrication system provides continuous lubrication to shaft, self lubricated intermediate and lower sleeve bearings. It eliminates the need for external grease lines or product lubricated sleeve bearings.

Shaft Column Pipe

The models 500S and 500AI are manufactured with schedule 80 hot dipped galvanized steel as standard.

Shaft

Size 5/8" high accuracy, grade 1215 steel that is turned, ground and polished. Shafts are also available in stainless steel.

Discharge Pipe

The pump is manufactured with schedule 40 hot dipped galvanized steel as standard.

Motor Support Bracket

The heavy cast pedestal is accurately machined with an integral bracket to support the discharge pipe, house the upper bearing and align the motor. It is suitable for motor frames 56C - 184C.

Bearings

The upper bearing is a permanently lubricated and sealed precision thrust ball bearing. The lower and intermediate sleeve bearings are self lubricated.

Floor Plate Suspension Cover

Heavy duty 20" diameter adjustable cover is standard (Type A). TRAMCO will fabricate covers to match existing pumps.

Motors

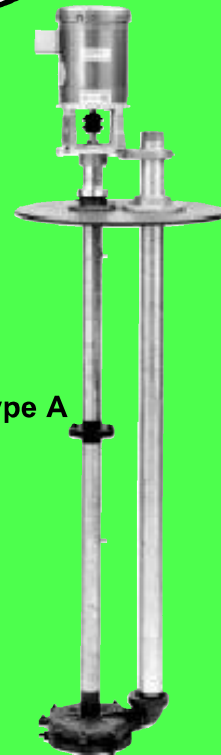
The motor and pump shafts are connected by a flexible coupling that allows the motor to be easily removed without disturbing the pump and piping. The motor can be detached by simply removing four bolts.

Strainer

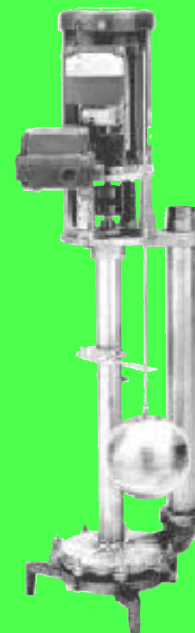
Made of heavy cast iron construction, the strainer is sized for solids the pump will pass. It is also available as a pump stand (Type C)

Float Control (Optional) Heavy duty pedestal or motor mounted float switch is available. Float ball is stainless steel.

Basin Cover (Optional) Heavy duty basin cover capable of supporting vertical suspended pumps and motors. Covers are available for simplex, duplex or other configurations.



Type A



Type C

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A NAME YOU CAN TRUST

Since 1924

**TRAMCO Series 500
Materials of Construction Data**



Materials of Construction Data

Parts Description	500S Standard	500AI All Iron	500SS Stainless Steel
Motor Support Bracket	Aluminum	Cast Iron	Cast Iron
Suspension Plate (1)	20" Split Aluminum	Steel	Steel (2)
Shaft Column Pipe	Schedule 80 Galvanized Steel	Schedule 80 Black Steel	Schedule 40 316 Stainless Steel
Discharge Pipe	Schedule 40 Galvanized Steel	Schedule 40 Black Steel	Schedule 40 Stainless Steel
Intermediate Bearing Flange and Hardware	Cast Iron/ Steel	Cast Iron/ Steel	316 Stainless Steel
Intermediate Sleeve Bearing	Bronze Self Lubricating	Bronze Self Lubricating	Bronze Self Lubricating
Shaft	B1215 G&P Steel	B1215 G&P Steel	316 Stainless Steel
Lower Sleeve Bearing	Bronze Self Lubricating	Carbon Graphite	Carbon Graphite
Mechanical Shaft Seal (3)	Type 21 - BF1C1	Type 21 - BF1C1	Type 21 - BF1C1
Suction Cover	Cast Iron	Cast Iron	316 Stainless Steel
Pump Casing	Cast Iron	Cast Iron	316 Stainless Steel
Cover/ Casing Hardware	Zinc Plated	Steel	316 Stainless Steel
Impeller	Bronze	Cast Iron	316 Stainless Steel
Stainer	Cast Iron	Cast Iron	316 Stainless Steel
Discharge O-Ring	Buna-N	Buna-N	Viton

- (1) Cover available in several shapes and sizes
- (2) Stainless Steel underliner available
- (3) Optional materials available