



## **3100 Series Industrial Sewage Pump**

### **Applications**

Sewage Lift Stations

Industrial Processes

Waste Treatment Plants

Underpass Drainage

### **Pump**

The Series 3100 is a centrifugal type pump fitted with an enclosed impeller accurately machined and balanced for smooth, quiet operation. Capable of passing up to 3" diameter solids. Available in 3" and 4" discharge, flows up to 425 GPM, and heads up to 50ft.

### **Mechanical Shaft Seal**

Series 3100 pumps are fitted with a mechanical shaft seal which prevents the liquid being pumped from entering and contaminating the lower sleeve bearing while retaining the lubrication in the pump. Seals are available with hardened faces for abrasive liquid application.

### **Pump Lubrication**

Tramco's lubrication system provides continuous lubrication to the 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 pump is manufactured with schedule 80 hot-dipped galvanized steel.

### **Shaft**

Size 1-1/4" high accuracy, grade 1215 turned, ground, and polished. Shafts also available in stainless steel.

### **Discharge Pipe**

Size 3",4" or 6" schedule 40 hot dipped galvanized steel.

### **Motor Support Bracket**

The heavy cast iron pedestal is accurately machined to house the thrust bearing and align the motor.

### **Thrust Bearing**

The thrust ball bearing is grease lubricated and elevated above the cover plate for protection from dirt and moisture.

### **Floor Plate Suspension Cover**

Heavy-duty 20" diameter steel. Tramco will fabricate covers to duplicate existing pumps and piping.

### **Motors**

The motor and pump shafts are connected by a flexible coupling that allows the motor to be easily removed without distributing the pump and piping.

### **Float Control (Optional)**

Heavy-duty pedestal-mounted float switch is available with stainless steel float ball.

### **Basin Cover (Optional)**

Heavy-duty basin cover capable of supporting vertically suspended pumps and motors. Covers are available for simplex, duplex, or other configurations.