



# **Engine Driven Trash Pumps**

- > Cast Iron or Cast Aluminum Construction
- > Viton<sup>®</sup>/Silicon Carbide Mechanical Seal and Buna-N O-Ring
- > 1.5", 2", 3" or 4" NPT Port Sizes
- > Self-Priming up to 20 ft.
- Engine Options: Honda, Briggs & Stratton Gasoline or Yanmar Diesel
- > Available in 3-1/2 to 16 HP Engines
- > Pumps Include Heavy Duty Base or Roll Frame
- > Solids Handling up to 2" Diameter
- > 3" & 4" Include Front Cleanout



2" Pump with Wheel Kit



#### 3" Engine Driven Trash Pump

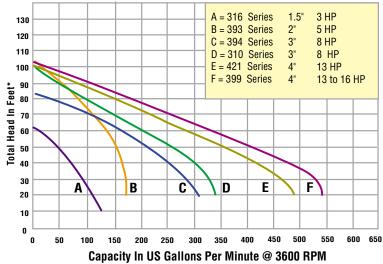
The AMT line of Engine Driven Trash pumps is designed for applications which require high flow efficiency and solids handling capability. Pumps are constructed of heavy duty sand cast components featuring removable/replaceable Cast Iron volutes, impellers and wearplates. Simple cleanout design permits easy removal of trash and debris without disconnecting hoses. Pumps are available with side valve or overhead valve engines from various engine manufacturers. An electric start option is available on many models.

AMT Engine Driven Trash pumps are reliable, cost effective and low maintenance. Many are readily available "Off-the-Shelf" for fast 24 hour shipment. For use with non-flammable liquids which are compatible with pump component materials.

## **INDUSTRIAL DUTY**



#### Performance of Engine Driven Trash Pumps



\* Convert to PSI, divide by 2.31 Liquid-Water specific gravity 1.0

#### 1.5" & 2" Trash Pumps



| Model#  | Curve | Ports    | Driver            | Seal       | Ship<br>Wt. Ibs. | Run<br>Time | Tank<br>size |
|---------|-------|----------|-------------------|------------|------------------|-------------|--------------|
| 316T-95 | Α     | 1.5" NPT | B&S 525           | Viton®/SIC | 76               | 180 min.    | 3 qt.        |
| 3930-95 | В     | 2" NPT   | B&S CP650*        | Viton®/SIC | 110              | 120 min.    | 4qt.         |
| 3932-95 | В     | 2" NPT   | Honda GX160*      | Viton®/SIC | 104              | 100 min.    | 3.8 qt.      |
| 3930-D5 | В     | 2" NPT   | Yanmar Diesel L48 | Viton®/SIC | 125              | 110 min.    | 2.6 qt.      |

Max. Diameter Solids Handling Capability: 1.5" Model = 3/4"; 2" Models = 1" Cast Iron Construction

# **3" Trash Pumps**



| Model#  | Curve | Ports  | Driver               | Seal       | Ship<br>Wt. Ibs. | Run<br>Time | Tank<br>size |
|---------|-------|--------|----------------------|------------|------------------|-------------|--------------|
| 3941-96 | С     | 3" NPT | B&S 1350 Series*     | Viton®/SIC | 143              | 90 min.     | 4 qt.        |
| 3943-96 | С     | 3" NPT | Honda GX270*         | Viton®/SIC | 158              | 100 min.    | 6.4 qt.      |
| 3944-96 | С     | 3" NPT | Honda GX270*++       | Viton®/SIC | 185              | 100 min.    | 6.4 qt.      |
| 3942-D6 | С     | 3" NPT | Yanmar Diesel L100++ | Viton®/SIC | 205              | 110 min.    | 6 qt.        |

Maximum Diameter Solids Handling Capability: 1.5" Diameter Aluminum w/ Cast Iron Wearparts Construction

#### 3" Premium Trash Pumps





| Model#  | Curve | Ports  | Driver               | Seal       | Ship<br>Wt. lbs. | Run<br>Time | Tank<br>size |
|---------|-------|--------|----------------------|------------|------------------|-------------|--------------|
| 3100-96 | D     | 3" NPT | B&S 1350 Series*     | Viton®/SIC | 151              | 90 min.     | 4 qt.        |
| 3103-96 | D     | 3" NPT | Honda GX270*         | Viton®/SIC | 107              | 100 min.    | 6.4 qt.      |
| 3104-96 | D     | 3" NPT | Honda GX270*++       | Viton®/SIC | 126              | 100 min.    | 6.4 qt.      |
| 3102-D6 | D     | 3" NPT | Yanmar Diesel L100++ | Viton®/SIC | 137              | 100 min.    | 6 qt.        |

Maximum Diameter Solids Handling Capability: 1.5" Diameter Aluminum w/ Cast Iron Wearparts Construction

### **Optional Wheel Kits**

for frame mounted pumps



| Model#  | Features  | Ship Wt. |
|---------|---|----------|
| A734-90 | Includes 10" semi-pneumatic tires on steel wheels with cast iron clamps and steel handle for universal mounting to frame. | 26 lbs.  |
| A735-90 | Includes 16" pneumatic tires on steel wheels with cast iron clamps and steel handle for universal mounting to frame.      | 29 lbs.  |

4" Trash Pumps

| Model#  | Curve | Ports  | Driver                | Seal       | Ship<br>Wt. Ibs. | Run<br>Time | Tank<br>size |
|---------|-------|--------|-----------------------|------------|------------------|-------------|--------------|
| 4210-96 | Е     | 4" NPT | B&S Vanguard OHV13*   | Viton®/SIC | 238              | 90 min.     | 6.4 qt.      |
| 3993-96 | F     | 4" NPT | B&S Vanguard OHV16*++ | Viton®/SIC | 294              | 100 min.    | 9 qt.        |
| 3994-96 | F     | 4" NPT | Honda GX390*++        | Viton®/SIC | 299              | 80 min.     | 6.9 qt.      |
| 3993-D6 | F     | 4" NPT | Yanmar Diesel L100++  | Viton®/SIC | 320              | 100 min.    | 6 at.        |

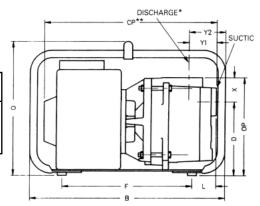
Maximum Diameter Solids Handling Capability: 2" Diameter Aluminum w/ Cast Iron Wearparts Construction

\* Oil Alert Included

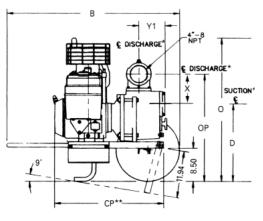
++12V DC Electric Start (battery not included)

#### **Standard Features**

- ➤ Two NPT Pipe Nipples
- ➤ Viton®/Silicon Carbide Mechanical Seal
- ➤ Buna-N O-Ring Casing Seal
- ➤ Self-primes to 20 ft. with Built In Buna Check Valve
- Stainless Steel Shaft Sleeve
- ➤ Steel Suction Strainer Included
- Cast Iron Replaceable Volute/Wearplate & Impeller
- ➤ Maximum Temperature 180° F
- ➤ Maximum Working Pressure 60 PSI
- ➤ 1.5", 2" & 3" Models Include Steel Roll Frame
- ➤ 4" Models Include Wheel Kit and Base Rails
- Vanguard and Honda Engines are Overhead Valve (OHV) Designs with Low Oil Alert and Briggs & Stratton 1350 Series Engine with Oil Alert and High Oil Fill



11/2" 2" & 3" Models



#### 4" Models

#### **Pump Dimensional Data**

(\*) Standard NPT (female) pipe thread.

 $(\mbox{\ensuremath{^{\star\star}}})$  This dimension may vary due to engine manufacturer's specifications.

**NOTE:** Dimensions have a tolerance of  $\pm 1/8$ ".



| MODEL#     | WIDTH | В    | CP** | D    | F    | L   | 0    | 0P   | X   | Y1  | Y2   |
|------------|-------|------|------|------|------|-----|------|------|-----|-----|------|
| 316 Series | 15.5  | 19.0 | 17.5 | 6.8  | 8.5  | 4.5 | 16.0 | 9.5  | 2.6 | 3.2 | 4.6  |
| 393 Series | 19.5  | 24.3 | 19.0 | 8.5  | 9.3  | 6.0 | 20.0 | 11.5 | 3.0 | 3.5 | 5.3  |
| 394 Series | 21.3  | 27.3 | 25.5 | 11.0 | 13.3 | 6.0 | 23.8 | 14.5 | 3.5 | 5.0 | 6.0  |
| 310 Series | 21.3  | 27.3 | 20.1 | 11.6 | 13.3 | 6.0 | 23.8 | 13.6 | 2.0 | 8.3 | 11.3 |
| 421 Series | 37.5  | 44.5 | 27.4 | 19.6 | N/A  | N/A | 36.3 | 27.5 | 7.8 | 6.5 | N/A  |
| 399 Series | 37.5  | 44.5 | 27.4 | 19.6 | N/A  | N/A | 36.3 | 27.5 | 7.8 | 6.5 | N/A  |