



Experience Innovation

## Name: 6" Self Priming Cast Iron Trash Pumps (Wet Prime)

### Model: 6HT

With its heavy-duty cast-iron construction, ability to self-prime when filled with water, and re-prime automatically, the Thompson 6HT leads the industry in construction, industrial and wastewater applications. The Thompson 6HT is designed for moderate flow rates up to 1,430 gpm and can handle heads up to 104 feet.



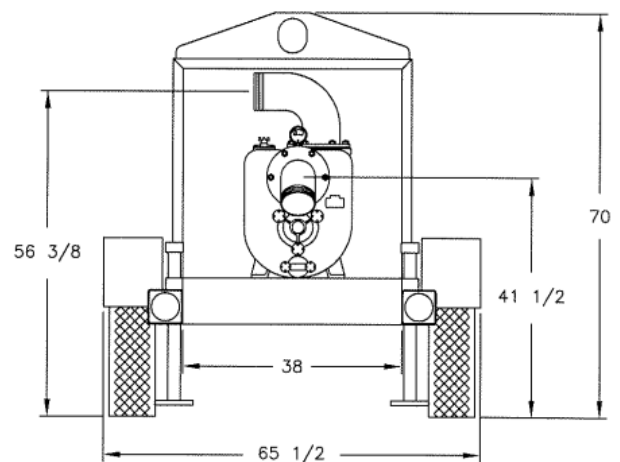
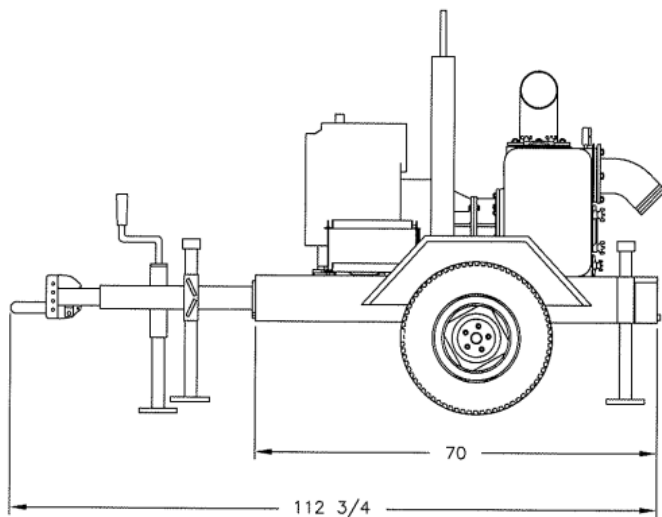
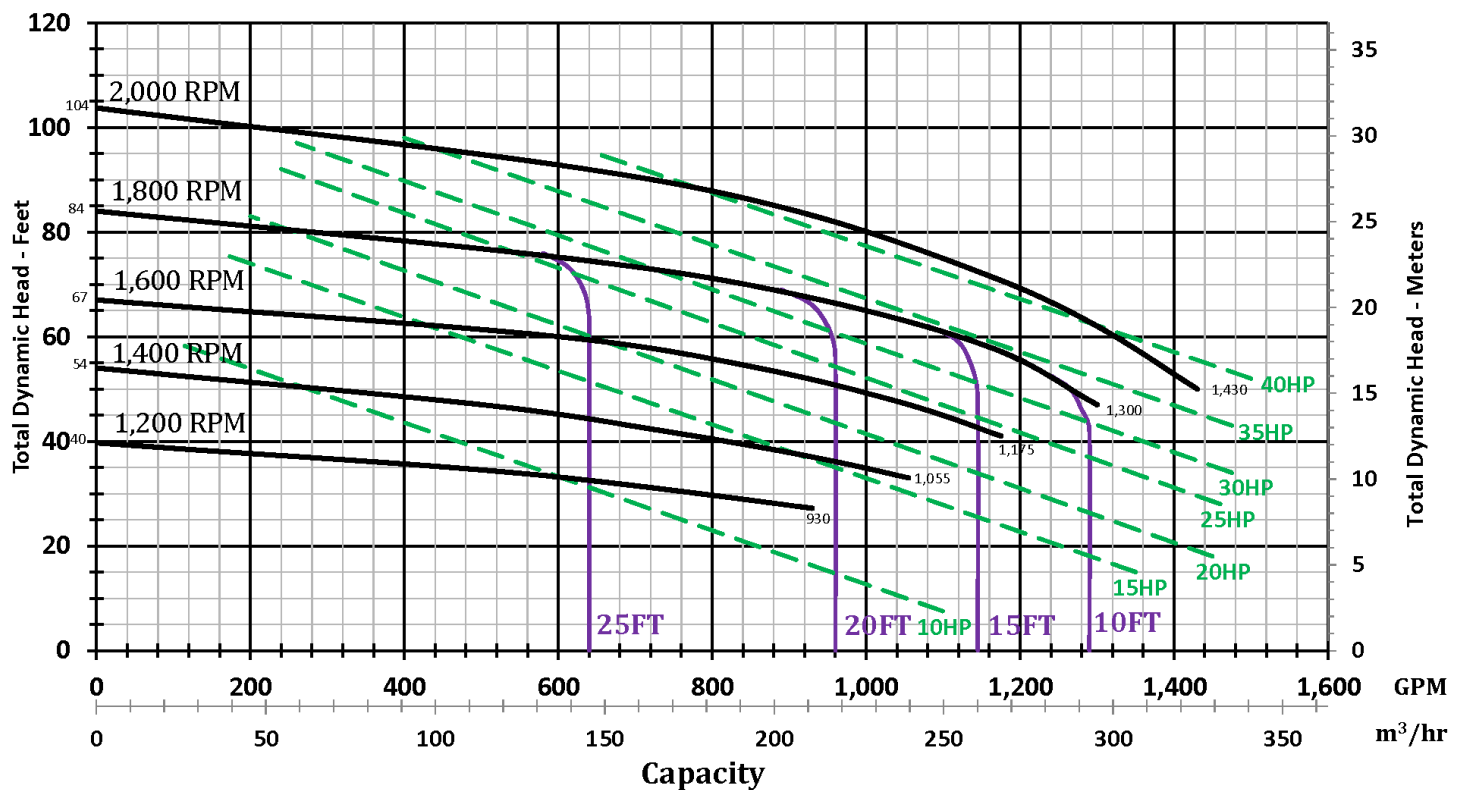
Photo shown may not be exact model.

Consult factory for other versions & options including site trailers, sound attenuation, etc.

| Pump End Materials     |  |
|------------------------|--|
| <b>Pump Casing</b>     | Heavy-duty class 30 cast-iron.   |
| <b>Impeller</b>        | Dynamically balanced, non-clogging, semi-open, 65-45-12 ductile iron with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life; diameter 9.74".   |
| <b>Mechanical Seal</b> | Dry-running, grease or oil lubricated with Tungsten Carbide rotating and Silicon Carbide stationary seal faces. Single inside mounted, non- pusher type with self-adjusting elastomeric bellows. Other components are 304 stainless steel and Viton. |
| <b>Head</b>            | Rugged, back pull out design, heavy-duty class 30 cast iron with tapered bore design.  |
| <b>Bearings</b>        | Heavy-duty grease lubricated to carry both axial and radial loads.   |
| <b>Bearing Frame</b>   | Heavy-duty class 30 cast iron.   |
| <b>Shaft</b>           | High quality stress-proof steel.   |
| <b>Wear Plate</b>      | Replaceable, class 30 cast iron with abrasion resistant rubber facing to extend service life.  |

| Technical Specifications      |                   |                            |                         |
|-------------------------------|-------------------|----------------------------|-------------------------|
| Suction Size                  | 6 in (15.24 cm)   | Approximate Dry Weight     | 3,225 lbs (2,068.38 kg) |
| Discharge Size                | 6 in (15.24 cm)   | Best Efficiency            | 71%                     |
| Maximum Solids Handling       | 3 in (7.62 cm)    | Maximum Operating Speed    | 2,000 rpm               |
| Maximum Operating Temperature | 200° F (93.33° C) | Maximum Operating Pressure | 45 psi (310.41 kPa)     |

| Fuel Tank Options |        | Isuzu Max Run Time |
|-------------------|--------|--------------------|
| Integral          | 62 Gal | 38 Hours           |



#### Isuzu 4LE2T—43 hp @ 2,400 rpm

| Typical Operating Speed  | 2,000 rpm                | Engine Speed | Fuel Economy   | Run Time* |
|--------------------------|--------------------------|--------------|----------------|-----------|
| Maximum Head             | 104 ft (31.70 m)         | 2,000 rpm    | 0.390 lb/hp-hr | 25 hrs    |
| Maximum Flow Capacity    | 1,430 gpm (324.61 m³/hr) | 1,800 rpm    | 0.379 lb/hp-hr | 28 hrs    |
| Maximum Fuel Consumption | 2.45 gph (9.27 L/hr)     | 1,600 rpm    | 0.372 lb-hp-hr | 38 hrs    |

\*Engine run times calculated based on a 62 gallon fuel tank.

Specifications and illustrations are subject to revision without notice and without incurring any obligation for previous or subsequent equipment sold. Thompson Pump (ISO 9001:2015) makes no representation regarding the completeness or accuracy of this information and is not liable for any direct or indirect damages arising from or relating to this information or its use. Capacity & Head are shown for comparative purposes. Consult Thompson factory for exact capabilities.