



## Name: 8" Self Priming Cast Iron Trash Pumps (Wet Prime)

## Model: 8HT

With its heavy-duty cast-iron construction, ability to self-prime when filled with water, and re-prime automatically, the Thompson 8HT leads the industry in construction, industrial and wastewater applications. The Thompson 8HT is designed for moderate flow rates up to 2,500 gpm and can handle heads up to 120 feet.



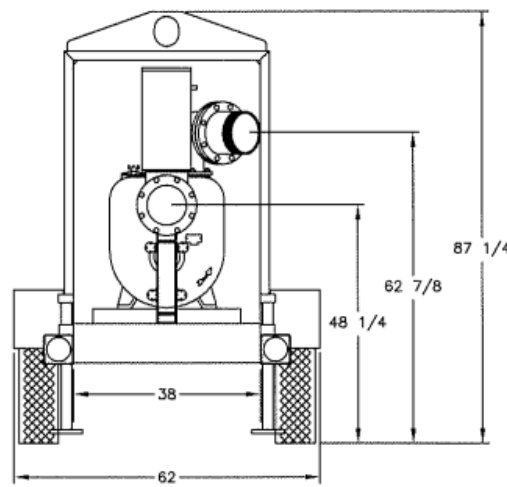
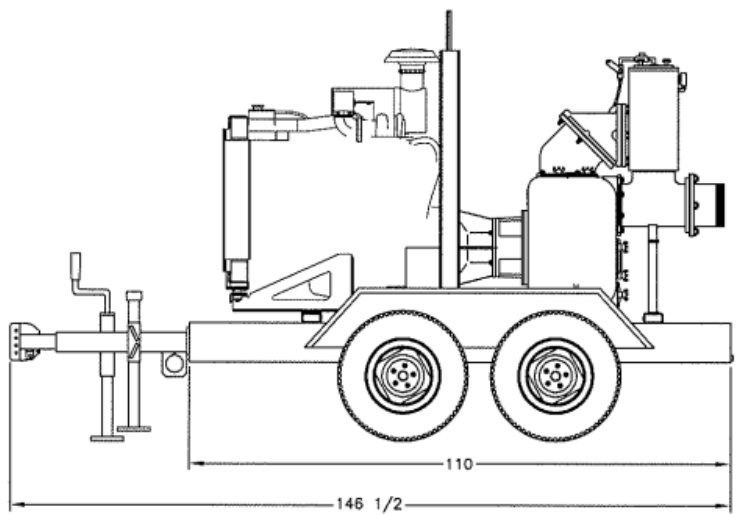
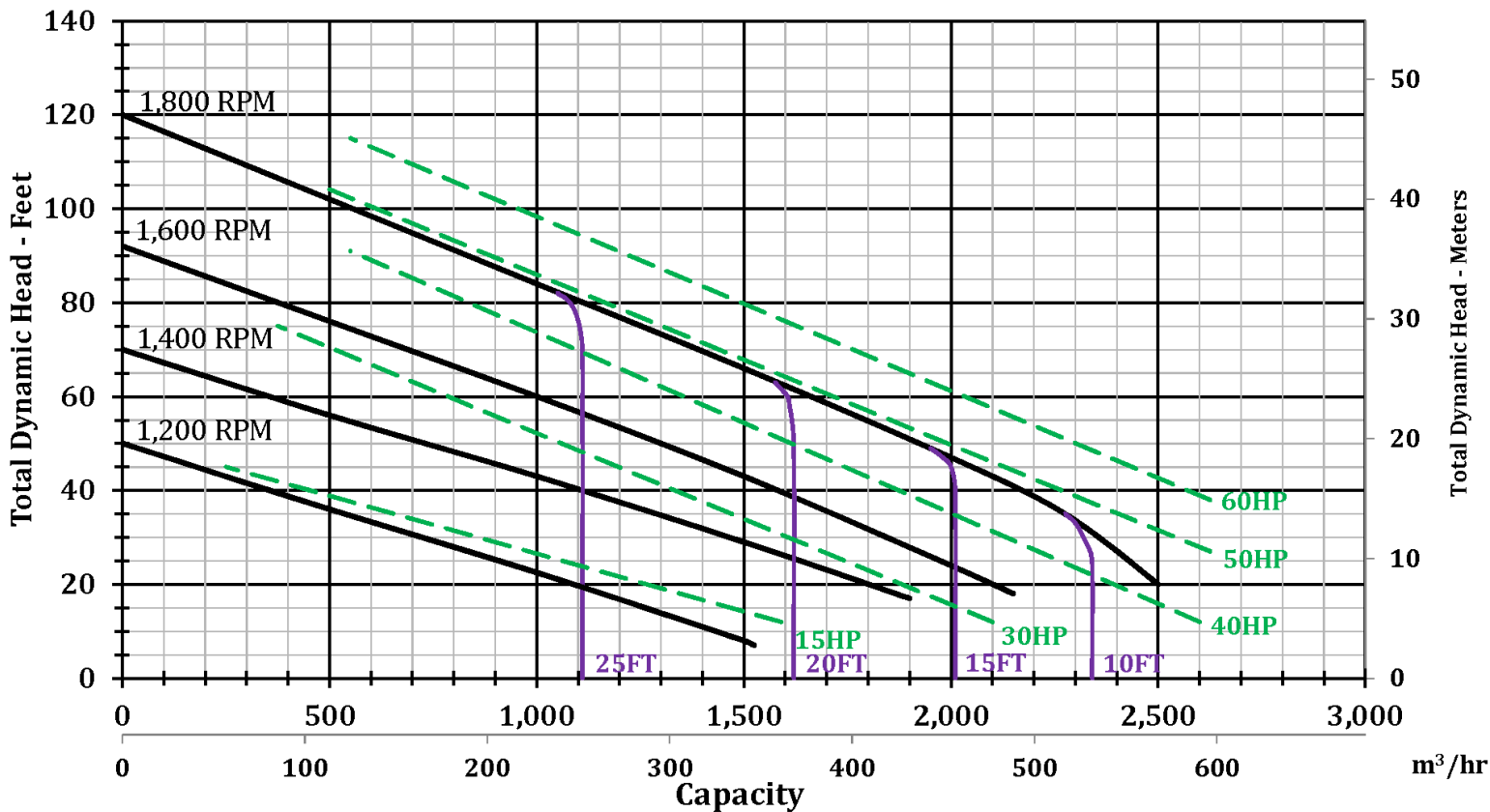
Photo shown may not be exact model.

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 with built-in volute.
<b>Impeller</b>	Dynamically balanced, two-vane, non-clogging, semi-open, ductile iron, with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life. Diameter 11.75".
<b>Mechanical Seal</b>	65mm type AR3; grease or oil lubricated with Tungsten Carbide rotating and stationary seal faces. All other components are 304 stainless steel and Viton.
<b>Suction Check Valve</b>	Built-in weighted, full-flow valve to eliminate re-priming with each cycle.
<b>Head</b>	Rugged, back pull out design, heavy-duty class 30 cast iron with tapered bore design. Automatic lubrication system for pump dry-running.
<b>Bearings &amp; Frame</b>	Heavy-duty grease lubricated; frame is heavy-duty class 30 cast-iron.
<b>Shaft</b>	SAE 4140 alloy steel and fitted with a 304 stainless steel shaft sleeve.
<b>Wear Plate</b>	Replaceable, class 30 cast iron with abrasion-resistant rubber facing to extend service life.

Technical Specifications			
Suction Size	8 in (20.32 cm)	Approximate Dry Weight	3,850 lbs (1,746.33 kg)
Discharge Size	8 in (20.32 cm)	Best Efficiency	71%
Maximum Solids Handling	3 in (7.62 cm)	Maximum Operating Speed	1,800 rpm
Maximum Operating Temperature	200° F (93.33° C)	Maximum Operating Pressure	51.9 psi (357.84 kPa)

Fuel Tank Options	Isuzu	Deutz
Integral	55 Gal	31 Hours



**Kohler CK25KDI—74 hp @ 2,400 rpm**

Typical Operating Speed	1,800 rpm	Engine Speed	Fuel Economy	Run Time*
Maximum Head	120 ft (36.58 m)	1,800 rpm	0.353 lb/hp-hr	21 hrs
Maximum Flow Capacity	2,500 gpm (567.5 m³/hr)	1,600 rpm	0.350 lb/hp-hr	29 hrs
Maximum Fuel Con-	2.62 gph (9.92 L/hr)	1,400 rpm	0.345 lb/hp-hr	32 hrs

**Deutz TD3.6L4—74 hp @ 2,400 rpm**

Typical Operating Speed	1,800 rpm	Engine Speed	Fuel Economy	Run Time*
Maximum Head	120 ft (36.58 m)	1,800 rpm	0.364 lb/hp-hr	20 hrs
Maximum Flow Capacity	2,500 gpm (567.5 m³/hr)	1,600 rpm	0.358 lb/hp-hr	28 hrs
Maximum Fuel Consump-	2.7 gph (10.22 L/hr)	1,400 rpm	0.358 lb/hp-hr	31 hrs

\*Engine run times calculated based on a 55 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.