

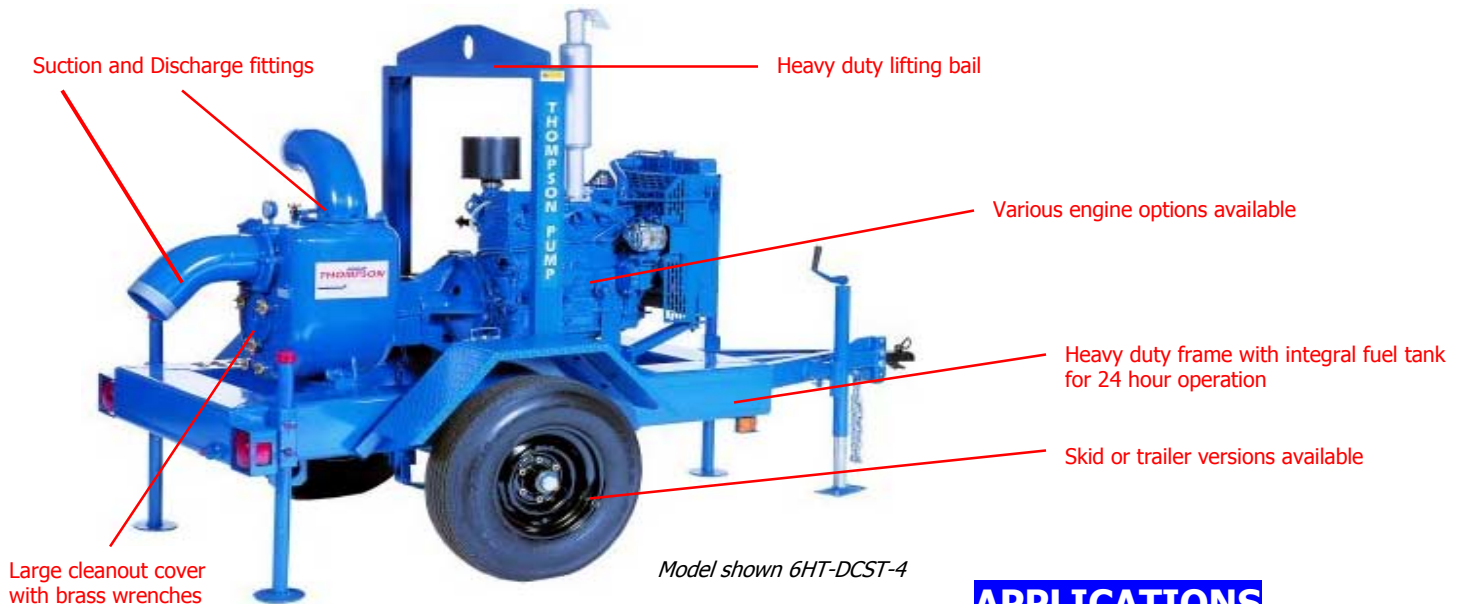


# HT SERIES HEAVY DUTY TRASH PUMPS



*We offer the industry's widest range of wet priming Heavy Duty Trash Pumps*

Our trash pumps are specified for the really tough jobs where a wet priming pump capable of handling large solids and/or abrasive material is needed. Our trash pumps outperform other centrifugal trash pumps on the market and cost less to operate. The quality and dependability engineered into each heavy duty trash pump provides the high performance you need to get the job done quickly. Each pump is factory-tested before shipping to ensure complete dependability on your project.



Model shown 6HT-DCST-4

## FEATURES

- Heavy duty cast iron construction for long life
- Large solid handling capacity
- 2 or 3-vane ductile iron impellers available
- Cast iron rubber-lined, abrasion-resistant wear plate
- Suction port above center line of impeller
- Quick start-up self-priming and automatic re-priming
- Dry running abrasion-resistant tungsten carbide mechanical seal with Viton elastomers
- Safety shutdown control panel standard
- Various diesel engine and electric motor options
- Simple low-cost maintenance

## APPLICATIONS

**Construction:** Dewatering excavations, canals and sumps; bypassing sewers and bodies of water; ground water dewatering; water supply from wells or canals; hosing down concrete castings

**Civil Engineering:** Sewage pumping; flood drainage; fire fighting; recovery of hazardous liquids

**Waste Treatment:** Sewer bypasses; pumping polluted hot or corrosive wastewater containing sand, mud or solids in suspension; dosing neutralizing liquids; pumping out settled sludge

**Industrial:** Transfer of neutral, acid or alkali clean or dirty liquids containing sand, mud or solids in suspension; low viscosity petroleum products

**Agricultural:** Surface irrigation; liquid manure oxygenation; transfer and spraying fertilizers or manure

*Note: Alternate pump end materials available for corrosive liquids*

In the interest of product improvement, we reserve the right to change specifications without incurring any obligation for equipment previously or subsequently sold. Capacity and Head are shown for comparative purposes. Consult engineering data for exact capabilities.

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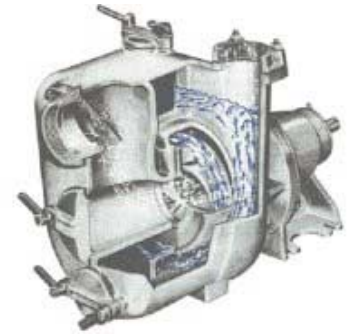
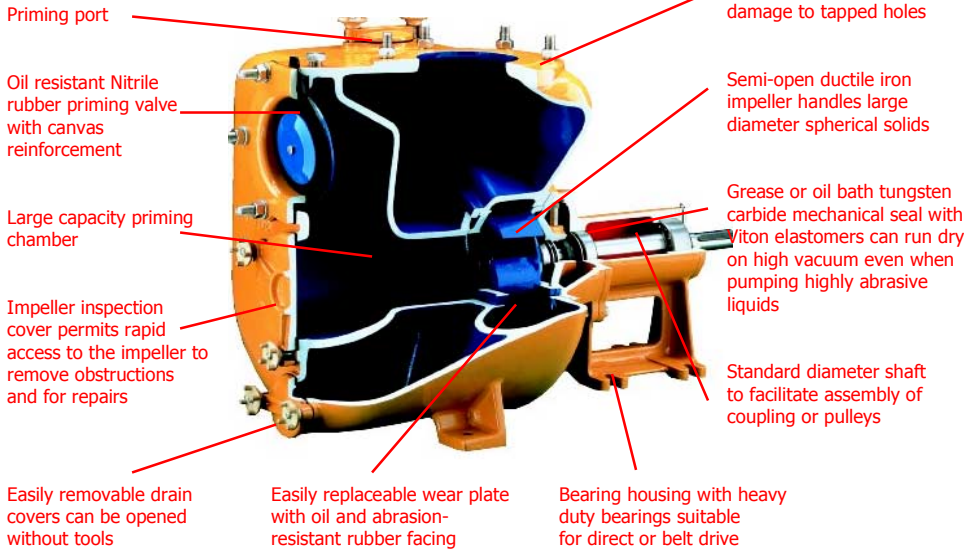
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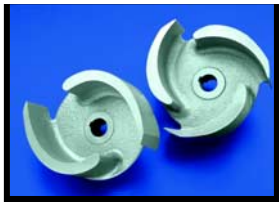
## SPECIAL FEATURES\*



## WORKING PRINCIPLE

The vacuum produced as the impeller rotates, draws air into the pump where it is mixed with the liquid contained in the pump casing. The air/liquid mixture is driven into the priming chamber where the air separates out and is expelled through the delivery port while the liquid, due to its higher density, falls back and is recirculated.

When all of the air has been evacuated from the suction line, the pump is primed and operates like a normal centrifugal pump. It can also handle a mixture of air and liquid. The check valve mounted in the pump suction port ensures that sufficient liquid remains in the pump casing for repriming. In addition, the check valve prevents the liquid from draining out of the suction line so at restart no time is lost for re-priming.



**Impeller:** Two & three vane with rear equalizing vanes, non-clogging, semi-open, ductile iron



**Mechanical seal:** Tungsten carbide rotating and stationary seal faces with Viton elastomers with 304 stainless steel sleeves; grease or oil lubricated which allow the pump to run dry & operate on high vacuum even while pumping abrasive liquids.



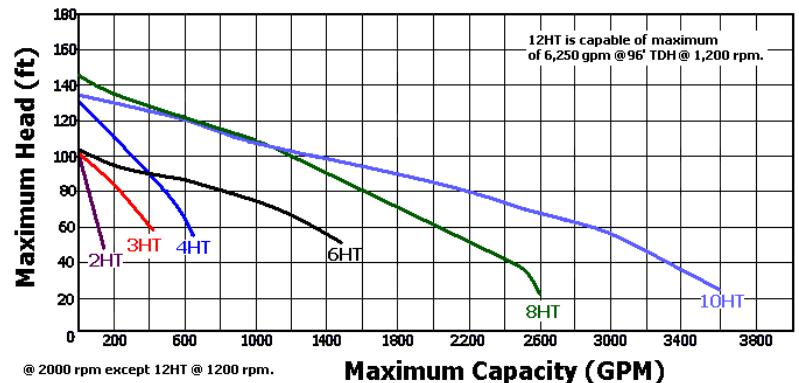
**Wear plate:** Easily replaceable cast iron, with abrasion resistant oil-proof rubber facing

*\*Some features not available on all models*

## MODEL SPECIFICATIONS

Unit Model	Size (In.)	Maximum* Capacity (GPM)	Maximum* Head (Ft.)	Maximum Solids (In.)
2HT	2	176	100	1.00
3HT	3	410	104	1.50
4HT	4	650	127	2.00
6HT	6	1,500	102	3.00
8HT	8	2,600	142	3.00
10HT	10	3,500	135	3.35
12HT	12	6,250	96	3.00

\* @ 2,000 RPM except 12HT @ 1,200 RPM



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