



Experience Innovation

Name: 4" Vacuum-Assisted Heavy Duty Trash Pump

Model: 4V

With its heavy-duty cast-iron construction, ability to self-prime when filled with water, and re-prime automatically, the Thompson 4V leads the industry in construction, industrial and wastewater applications. The Thompson 4V is designed for moderate flow rates up to 640 gpm and can handle heads up to 104 feet.



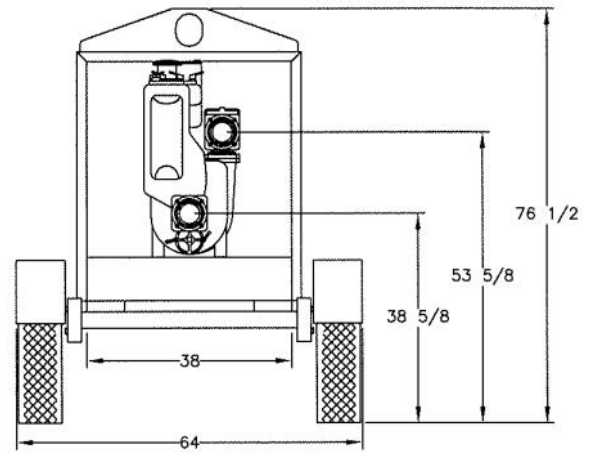
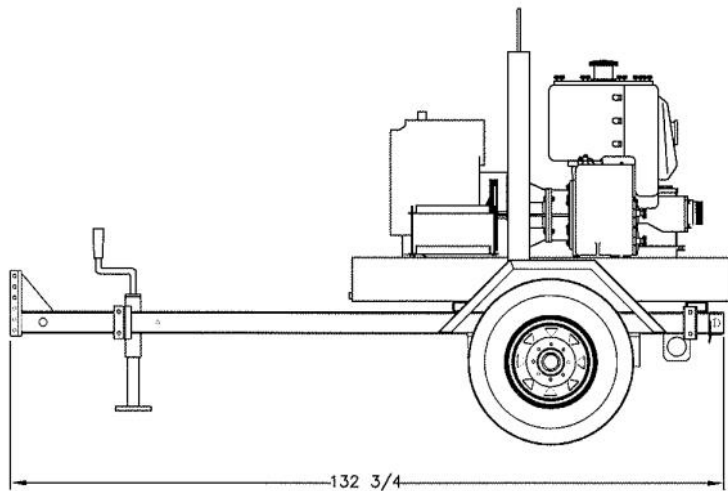
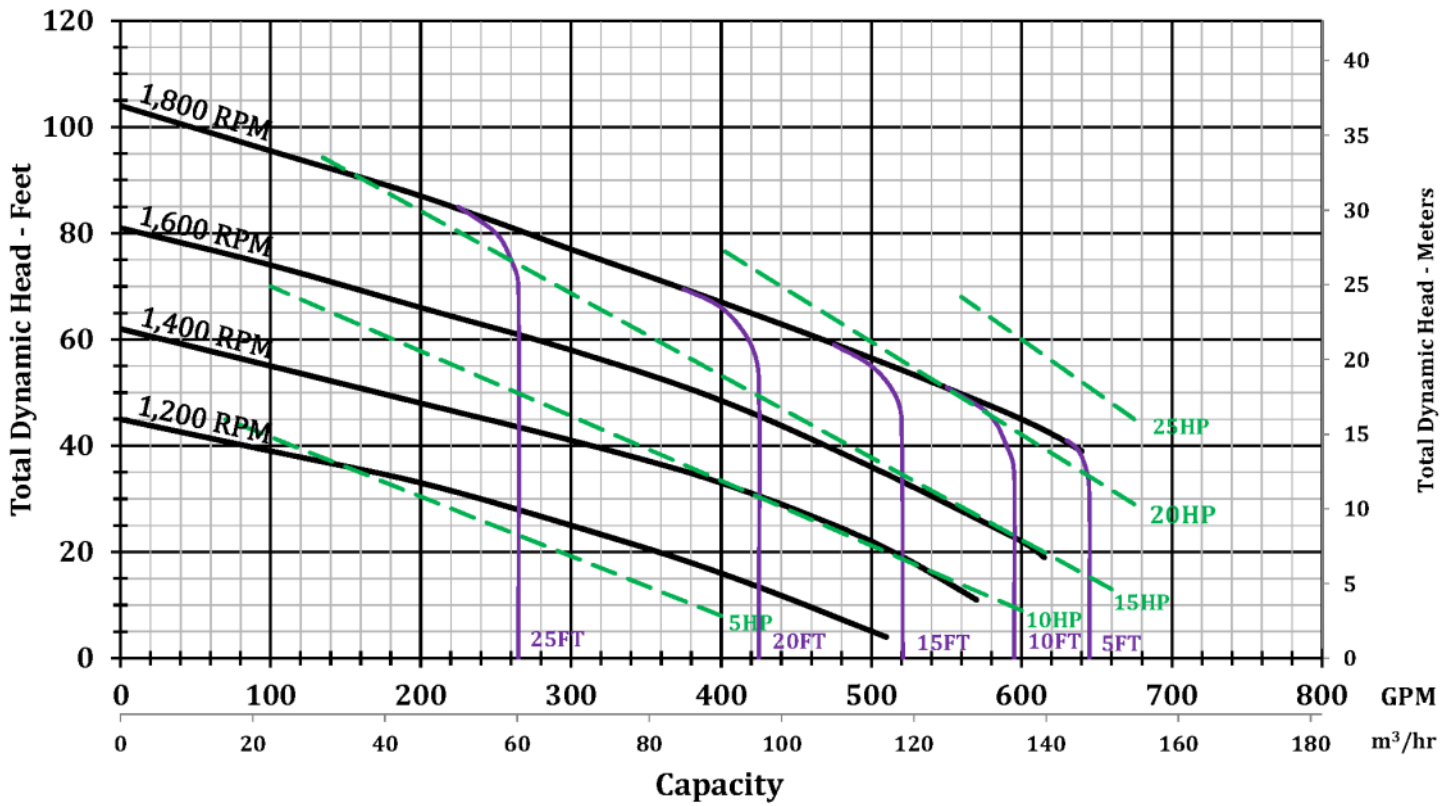
Photo shown may not be exact model.

Consult factory for options.

Pump End Materials	
Pump Casing	Heavy-duty class 30 cast-iron volute with replaceable wear plate.
Impeller	Dynamically balanced, two-vane, non-clogging, semi-open, ductile iron, with rear-equalizing vanes. Diameter 9.74".
Mechanical Seal	65 mm type AR3, grease or oil lubricated with Tungsten Carbide rotating and stationary seal faces. Single, inside mounted, non-pusher type with self-adjusting elastomeric bellows.
Head	Rugged, back pull out design, heavy-duty class 30 cast iron with tapered bore design.
Bearings & Frame	Heavy-duty grease lubricated to carry both axial and radial loads. Frame is heavy-duty class 30 cast iron.
Shaft	Constructed of high quality carbon steel with a 304 stainless steel shaft sleeve.
Suction Check Valve	Built in weighted, full-flow valve to eliminate re-priming with each cycle.

Technical Specifications			
Suction Size	4 in (10.16 cm)	Approximate Dry Weight	3,210 lbs (1,456.03 kg)
Discharge Size	4 in (10.16 cm)	Best Efficiency	71%
Maximum Solids Handling	2 in (5.08 cm)	Maximum Operating Speed	1,800 rpm
Maximum Operating Temperature	200° F (93.33° C)	Maximum Operating Pressure	45.02 psi (310.41 kPa)

Fuel Tank Options	Isuzu	Deutz
Integral	45 Gal	50 Hours



Isuzu 4LE2T— 40 hp @ 2,400 rpm				
Typical Operating Speed	1,800 rpm	Engine Speed	Fuel Economy	Run Time*
Maximum Head	104 ft (31.7 m)	1,800 rpm	0.379 lb/hp-hr	30 hrs
Maximum Flow Capacity	640 gpm (145.28 m³/hr)	1,600 rpm	0.376 lb/hp-hr	38 hrs
Maximum Fuel Consumption	1.46 gph (5.53 L/hr)	1,400 rpm	0.375 lb-hp-hr	49 hrs

Deutz TD2.9L4 — 49 hp @ 2,400 rpm				
Typical Operating Speed	1,800 rpm	Engine Speed	Fuel Economy	Run Time*
Maximum Head	104 ft (31.7 m)	1,800 rpm	0.379 lb/hp-hr	30 hrs
Maximum Flow Capacity	640 gpm (145.28 m³/hr)	1,600 rpm	0.373 lb/hp-hr	38 hrs
Maximum Fuel Consumption	1.46 gph (5.53 L/hr)	1,400 rpm	0.371 lb-hp-hr	50 hrs

*Engine run times calculated based on a 45 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.