



Experience Innovation

Name: 6" Vacuum-Assisted Heavy Duty Trash Pump

Model: 6V

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

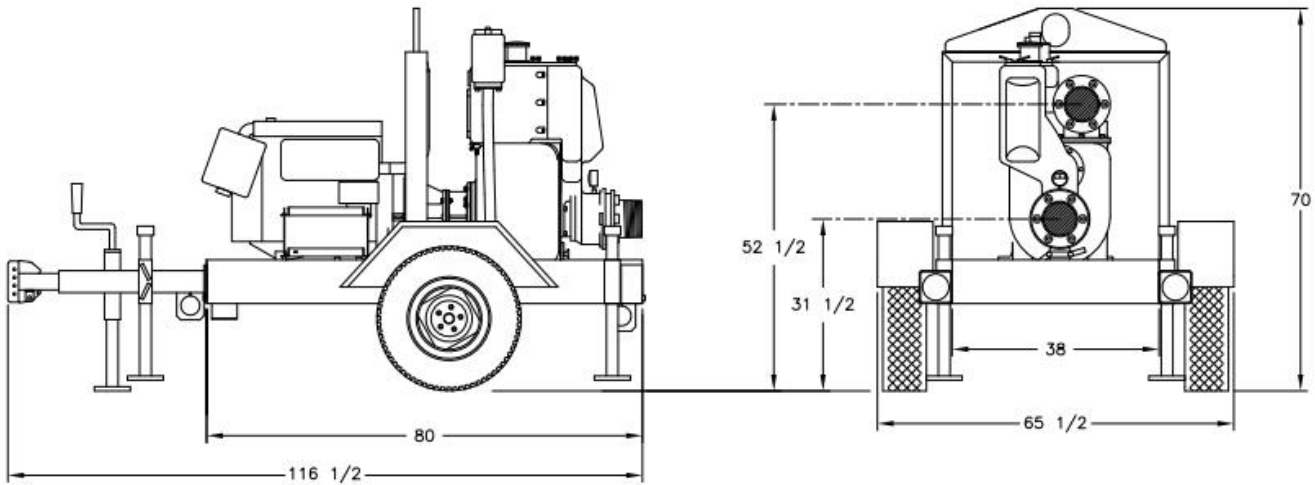
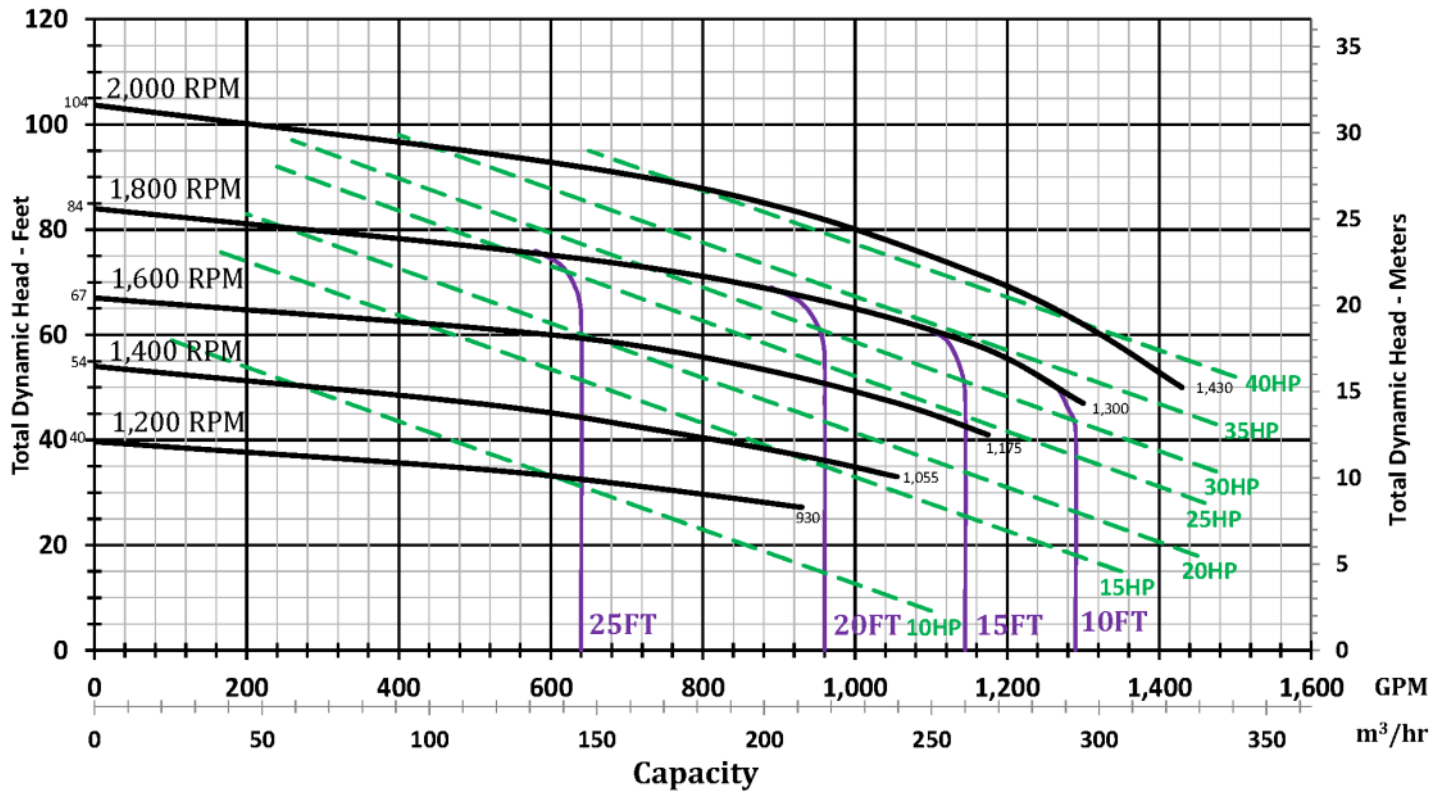


Photo shown may not be exact model.
Consult factory for options.

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	6 in (15.24 cm)	Approximate Dry Weight	3,480 lbs (1,578.5kg)
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	45.02 psi (310.41 kPa)

Fuel Tank Options	Kohler	Deutz
Integral	49 Gal	28 Hours
		28 Hours



Kohler CK25KDI—74 hp @ 2,400 rpm					
Typical Operating Speed	2,000 rpm	Engine Speed	2,000 rpm	Run Time*	18 hrs
Maximum Head	104 ft (31.7 m)	Fuel Economy	0.356 lb/hp-hr	Run Time*	18 hrs
Maximum Flow Capacity	1,430 gpm (324.6 m³/hr)	Fuel Economy	0.353 lb/hp-hr	Run Time*	25 hrs
Maximum Fuel Consumption	2.64 gph (9.99 L/hr)	Fuel Economy	0.350 lb/hp-hr	Run Time*	28 hrs

Deutz TD3.6L4—74 hp @ 2,400 rpm					
Typical Operating Speed	2,000 rpm	Engine Speed	2,000 rpm	Run Time*	17 hrs
Maximum Head	104 ft (31.7 m)	Fuel Economy	0.370 lb/hp-hr	Run Time*	17 hrs
Maximum Flow Capacity	1,430 gpm (324.6 m³/hr)	Fuel Economy	0.363 lb/hp-hr	Run Time*	24 hrs
Maximum Fuel Consumption	2.74 gph (10.37 L/hr)	Fuel Economy	0.358 lb/hp-hr	Run Time*	28 hrs

*Engine run times calculated based on a 49 gallon fuel tank.

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