THOMPSON PUMP

Experience Innovation

Model: 78 GPM Hydraulic Power Unit

Name: 78HPU

Thompson hydraulic power units, used in conjunction with hydraulic submersible pumps, provide a powerful answer when high heads or high lifts become a factor on job sites. These unique variable speed and variable flow hydraulically driven submersible pumps and power units are manufactured from heavy-duty cast iron and steel for high reliability. The Thompson design allows for maximum versatility in dewatering applications and pumping materials.



Photo shown may not be exact model.

Consult factory for other options.

Pump End Materials	
Pump	P365A-2.5, positive displacement, external gear type, single pump, 9 in^3 displacement.
Control Valve	Needle type.
Relief Valve	Pump mounted, internally pilot operated, pressure compensated with vent provision and pressure gauge for system diagnostics.
Reservoir	Fabricated steel, with internal baffles, large access port, drain valve, sight glass level and temperature gauge, air vent, sump strainer, and shutoff valve.
Sump Strainer	100 mesh spin on type.
Return Filter	100 gpm at 5 psi backpressure, 25 micron, In tank mounted with internal bypass at 25 psi, integral filler/breather.
Hydraulic Coupling	Delivery: 1.25” female Snap-Tite 75 series quick disconnect with dust plug; Return: 1.50” female Snap-Tite 75 series quick disconnect with dust plug; Bypass: 0.75” female Snap-Tite 75 series quick disconnect with dust plug;
Safety Shutdowns	Low hydraulic fluid level; high hydraulic fluid temperature.

Technical Specifications			
Maximum Hydraulic Flow	88 gpm (19.99 m^3/hr)	Approximate Dry Weight	5,480 lbs (2,486 kg)
Maximum Solids Handling	4.25 in (10.79 cm)	Maximum Operating Speed	2,200 rpm

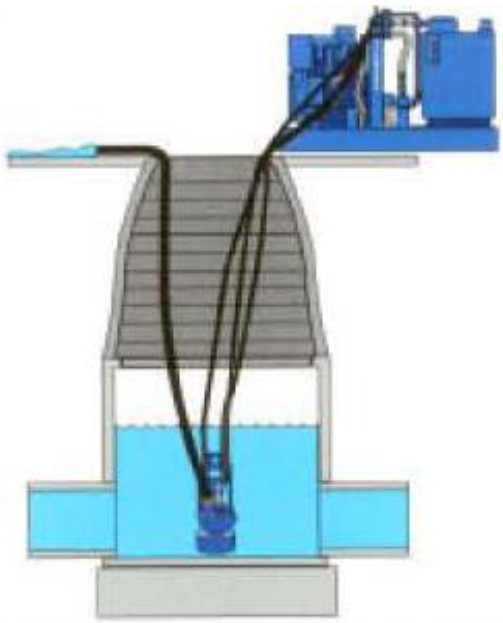
Fuel Tank Options*		John Deere	Cummins
Integral	67 Gal	16 Hours	16 Hours
Modular (M)	114 Gal	27 Hours	27 Hours

*Contact factory for fuel tank sizes not listed above.

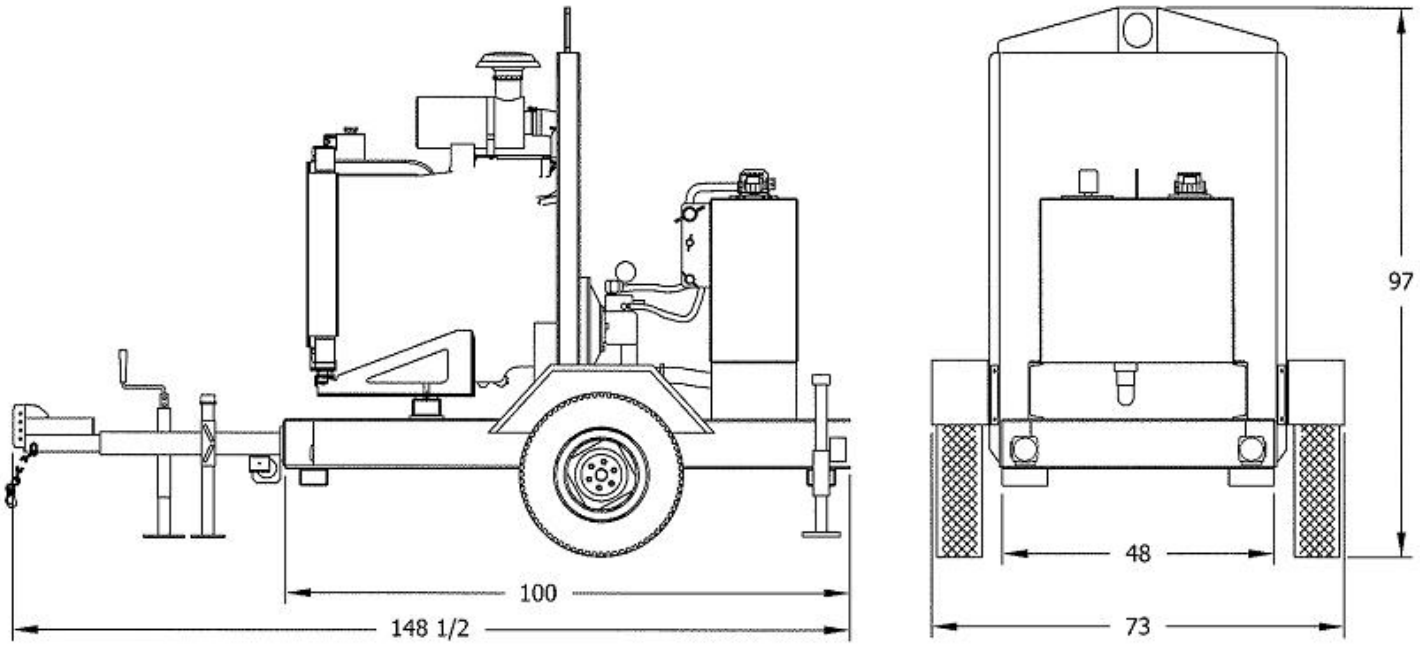
Thompson Pump and Manufacturing Co., Inc.
4620 City Center Drive, Port Orange, FL 32129 USA
www.thompsonpump.com

Nationwide 800-767-7310 • International +1-386-767-7310
sales@thompsonpump.com

Jul-20



Typical manhole-sewer line dewatering application



John Deere 4045HFC06— 139 hp @ 2,400 rpm		
Typical Operating Speed	2,200 rpm	
Maximum Fuel Consumption	7.33 gph (27.75 L/hr)	
Engine Speed	**Fuel Economy**	**Run Time***
2,200 rpm	0.367 lb/hp-hr	9 hrs
2,000 rpm	0.357 lb/hp-hr	10 hrs
1,800 rpm	0.350 lb-hp-hr	15 hrs

Cummins QSB4.5—140 hp @ 2,400 rpm		
Typical Operating Speed	2,200 rpm	
Maximum Fuel Consumption	7.03 gph (26.61 L/hr)	
Engine Speed	**Fuel Economy**	**Run Time***
2,200 rpm	0.352 lb/hp-hr	9 hrs
2,000 rpm	0.344 lb/hp-hr	11 hrs
1,800 rpm	0.341 lb-hp-hr	16 hrs

*Engine run times calculated based on a 67 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.