



Experience Innovation

Model: 32 GPM Hydraulic Power Unit

Name: 32HPU

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 Materials	
Pump	HDP30.61, positive displacement, external gear type, single pump, 3.72 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	60 gpm at 5 psi backpressure, 25 micron, in tank mounted with internal bypass at 25 psi, integral filler/breather
Hydraulic Coupling	<p><u>Delivery:</u> 1" female Snap-Tite 75 series quick disconnect with dust plug;</p> <p><u>Return:</u> 1.25" female Snap-Tite 75 series quick disconnect with dust plug;</p> <p><u>Bypass:</u> .50" female Snap-Tite 75 series quick disconnect with dust plug</p>
Safety Shutdowns	Low hydraulic fluid level; high hydraulic fluid temperature.
Options	Aeroquip 5100 series quick disconnects, ISO46 Blue 10 #40240 hydraulic fluid, bio-degradable #40779, environmentally friendly hydraulic fluid, hydraulic hose racks or reels, discharge hose racks.

Technical Specifications

Maximum Hydraulic Flow	34 gpm (7.72 m ³ /hr)	Approximate Dry Weight	4,600 lbs (2,086.52 kg)
Maximum Operating Pressure	2,800 psi (19.305 MPa)	Maximum Operating Speed	2,300 rpm

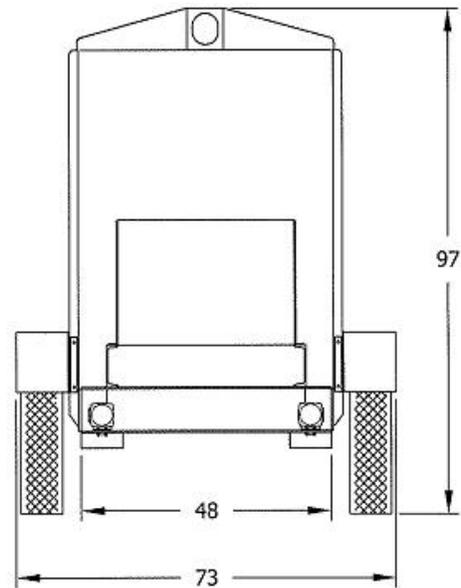
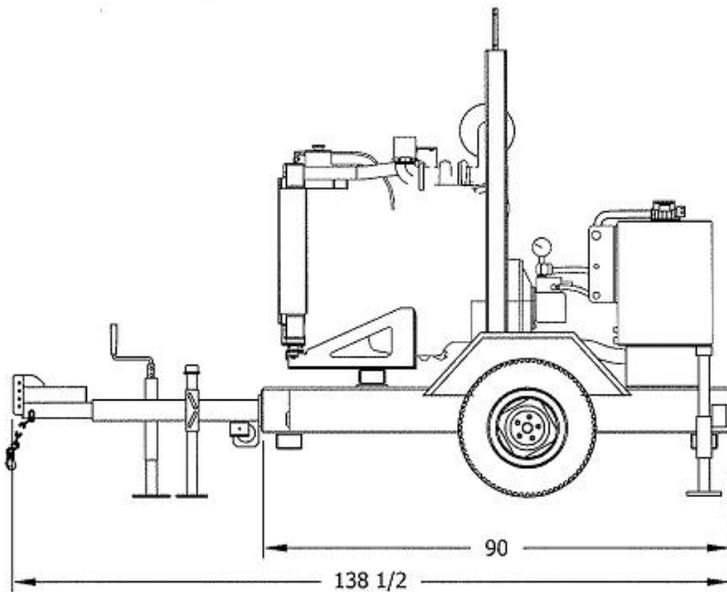
Fuel Tank Options*	Deutz	Cummins
Integral	62 Gal	31 Hours
Modular (M)	100 Gal	50 Hours

*Contact factory for fuel tank sizes not listed above.

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Engine Speed	Continuos Power	Delivered Hydraulic Flow	Maximum Pressure
RPM	HP	GPM	PSI
1300	52.3	20	2800
1400	56.6	21	2800
1600	63.6	24	2800
1800	68.2	27	2800
2000	70.1	30	2800
2200	71.6	33	2800
2300	69.6	34	2770



Deutz TD3.6L4— 74 hp @ 2,400 rpm		
Typical Operating Speed		2,300 rpm
Maximum Fuel Consumption		3.84 gph (13.38 L/hr)
Engine Speed	Fuel Economy	Run Time*
2,300 rpm	0.387 lb/hp-hr	16 hrs
1,800 rpm	0.366 lb/hp-hr	22 hrs
1,300 rpm	0.359 lb-hp-hr	31 hrs

Cummins QSF2.8—74 hp @ 2,400 rpm		
Typical Operating Speed		2,300 rpm
Maximum Fuel Consumption		4.69 gph (17.75 L/hr)
Engine Speed	Fuel Economy	Run Time*
2,300 rpm	0.376 lb/hp-hr	16 hrs
1,800 rpm	0.369 lb/hp-hr	21 hrs
1,300 rpm	0.380 lb-hp-hr	29 hrs

*Engine run times calculated based on a 62 gallon fuel tank.

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