

4" Hydraulic Submersible Trash Pump Model: 46HST

Thompson 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.

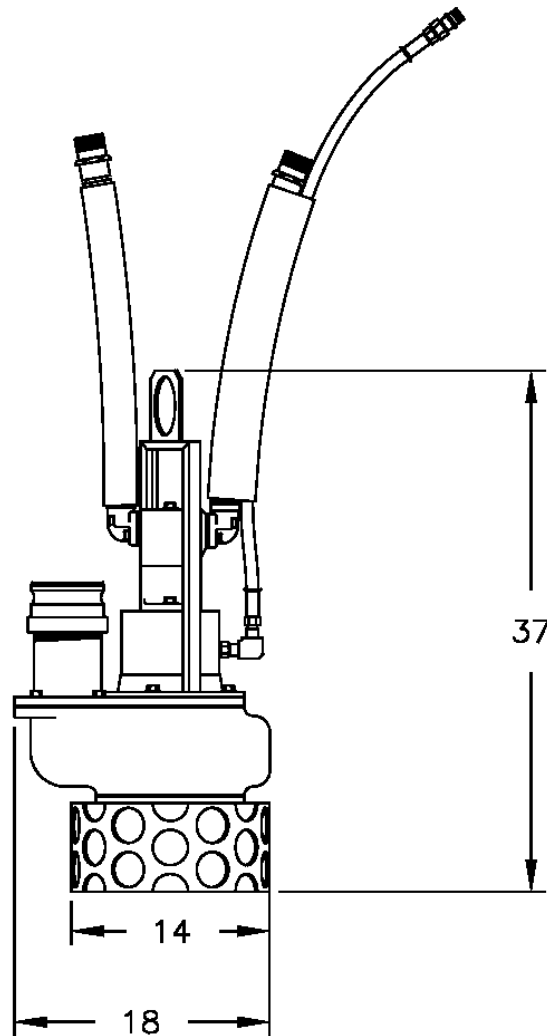
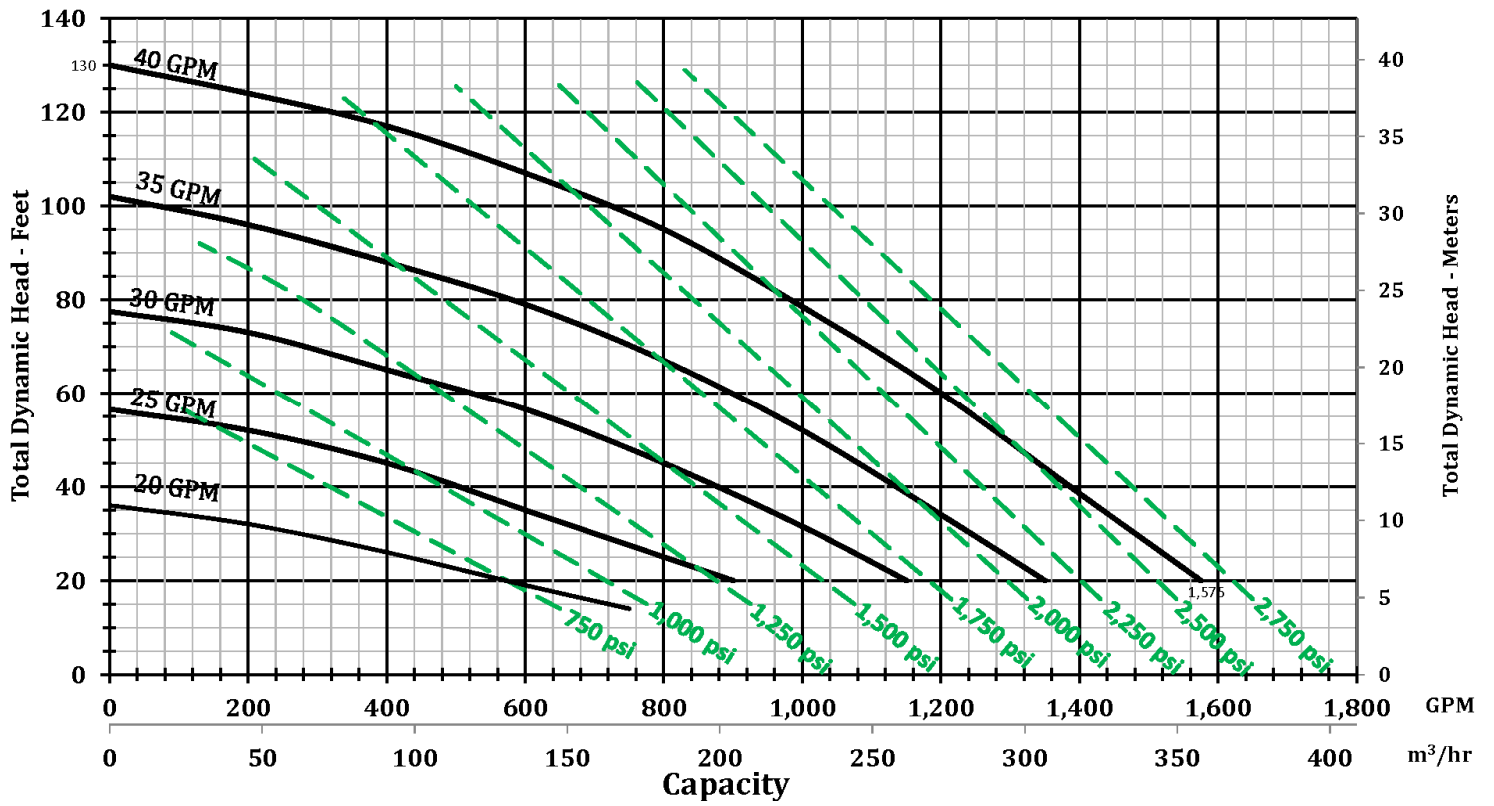


Consult factory for other versions & options including site trailers, sound attenuation, etc.

Materials	
Volute	Heavy-duty class 40 cast iron
Cutwater	Replaceable, 316 stainless steel
Shaft	416 stainless steel, fitted with a renewable type 416 stainless steel sleeve
Impeller	Dynamically balanced, 3 vane, non-clogging, semi-open, class 40 cast-iron with rear equalizing vanes to reduce axial loading and prolong seal and bearing life; diameter 8.5"
Wear Plate	Replaceable, A36 steel with abrasion resistant rubber facing for extended service life
Hydraulic Motor	High efficiency, external gear type, 3.72 in ³ displacement with SAE 2B splined output
Hydraulic Couplings	<u>Delivery:</u> 1" male Snap-Tite 75 series quick disconnect, with dust cap <u>Return:</u> 1.25" male Snap-Tite 75 series quick disconnect, with dust cap <u>Bypass:</u> .5" male Snap-Tite 75 series quick disconnect, with dust cap
Mechanical Seal	Dry-running, oil or grease lubricated with Tungsten Carbide rotating and stationary seal faces
Bearings & Housing	Heavy-duty, oil lubricated to carry both axial and radial loads with heavy duty class 30 cast iron housing
Adapter Plate	Heavy duty class 40 cast iron
Strainer	Large, round hole, 2.5" diameter openings, A36 steel
Discharge Fittings	6" MNPT and 6" male aluminum cam and groove quick coupler
Seal Protection	Automatic over-pressure protection system
Oil Cooler	Tubular steel, air to oil

TECHNICAL SPECIFICATIONS

Suction Size	4" (10.16 cm)	Maximum Solids Handling	3" (7.62 cm)
Discharge Size	6" (15.24 cm)	Maximum Operating Temp.	200°F (93.33°C)
Maximum Flow Capacity	1575 gpm (357.72 m ³ /h)	Maximum Operating Pressure	56.28 psi (388.02 kPa)
Maximum Head	130 ft (39.62 m)	Approximate Dry Weight (no hoses)	250 lbs (113.39 kg)



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