

# HT8 PUMP

## PERFORMANCE

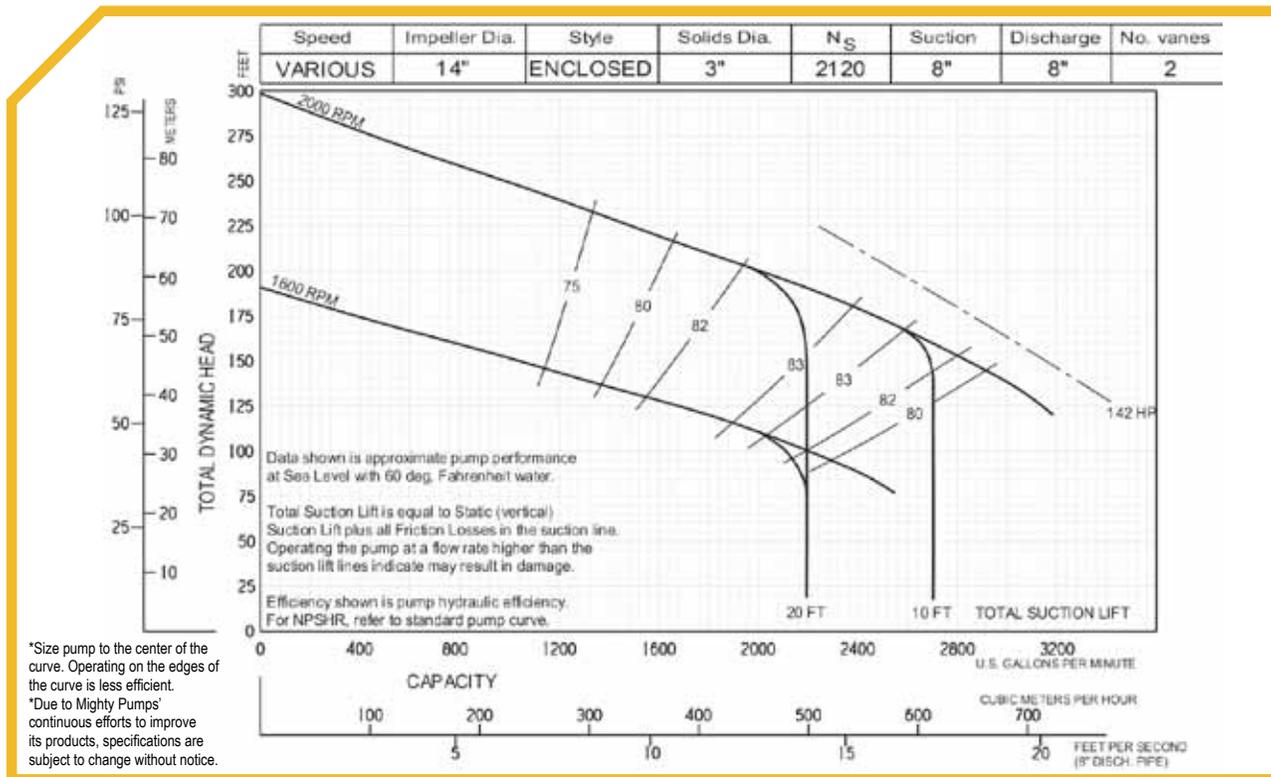
<b>Maximum Outflow</b>	3,130 US gpm (11,848 L/min)
<b>Maximum Head</b>	300 feet (91 m)
<b>Solids Handling</b>	3" (76 mm) diameter
<b>BEP with 15' lift</b>	2,360 US gpm @ 181 feet



## PUMP FEATURES

- High Head Trash (HT) Pumps balance high lift and high volume capabilities
- Variety of pump applications including sewage, liquids, sludge and liquids with solids up to 3" (76 mm) in diameter
- Standard engine CAT C4.4 Electronic-142 hp, also available in John Deere JD6068T Electronic- 150 hp
- Stressproof™ stainless steel shaft with innovative Cycloseal® (Tungsten Carbide vs. Silicon Carbide) that increases the seal life by up to three times that of a typical mechanical seal
- Oil bath feeds the mechanical seal with cooler oil for continuous dry running
- Steel construction industrial grade, off-road trailer with automatic hydraulic brakes and an internal 99 gallon fuel tank; exempt from TDG legislation
- Protective Quiet Container is easily removable and reduces sound down to 70 dB at 28ft away
- Automatic priming system that sucks air and liquid at the same time. Primes and re-primers completely unattended
- Priming system built with in-line ¼ turn isolation valve for flooded suction applications
- Auto-Start/Stop Water Level Control
- At its Best Efficiency Point this pump is 83% efficient, which reduces energy costs compared to other pumps
- Heavy duty, massive pump shafts, purposely built for industrial applications
- Optional remote monitoring with live updates that include: pump's global position, discharge pressure, engine data and maintenance log
- Warranted by Mighty Pumps, Cornell and CAT/John Deere- 2 year, 2,000 hour warranty

## PERFORMANCE CURVE



# HT8 PUMP

## SPECIFICATIONS

<b>Engine</b>	CAT C4.4—Electronic 142 hp continuous or John Deere JD6068T Electronic- 150 hp
<b>Pump End</b>	Cornell 6NHTA
<b>Mounting</b>	Trailer
<b>Sound Attenuation</b>	Quiet Container / Residential Muffler
<b>Fuel Tank Capacity</b>	99 US gallons (375 L)
<b>Fuel Consumption (1,800 rpm)</b>	6.5 US gal/hr
<b>Run Time* (1,800 rpm)</b>	15 hours
<b>Maximum Operating Speed</b>	2,000 rpm
<b>Max Case Pressure</b>	150 psi (1,034 kPa)
<b>Max Fluid Temperature</b>	180°F (82°C)
<b>Suction Inlet Size</b>	8" 150 lb Flange
<b>Discharge Outlet Size</b>	8" 150 lb Flange

\*one tank of fuel

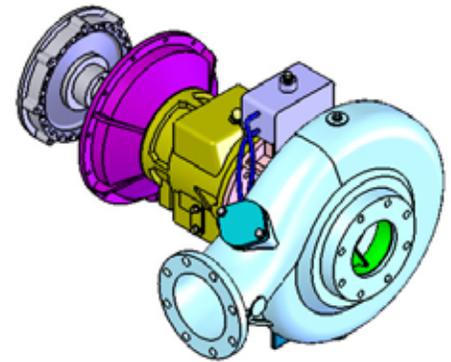
## DIMENSIONS

<b>Height</b>	92" (2,337 mm)
<b>Width</b>	72" (1,829 mm)
<b>Length</b>	141" (3,581 mm)
<b>Weight (Wet)</b>	6,309 lb (2,862 kg)

## PUMP MATERIALS

<b>Volute</b>	ASTM A48 Cast Iron
<b>Wear Rings</b>	ASTM A48 Cast Iron
<b>Backplate</b>	ASTM A48 Cast Iron
<b>Impeller</b>	ASTM A48 Cast Iron
<b>Frame</b>	ASTM A48 Cast Iron
<b>Trailer</b>	CSA G40.21 350W Steel
<b>Shaft</b>	Stress Proof SAE 1144 Steel
<b>Shaft Seal</b>	Tungsten Carbide vs. Silicon Carbide
<b>Engine Bracket</b>	ASTM A48 Cast Iron

## CORNELL 6NHTA



## MIGHTY PUMPS FAMILY CURVE

