## HT16 PUMP

### **PERFORMANCE**

Maximum Outflow 12,800 US gpm (48,453 L/min)

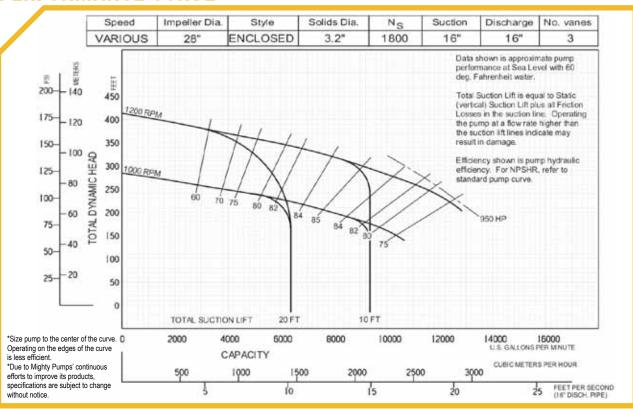
Maximum Head 410 feet (125 m)
Solids Handling 3.2" (81 mm) diameter
BEP with 15' lift 7,000 US gpm @ 335 feet



#### 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 3.2" (81 mm) in diameter
- Standard engine CAT C32-950 hp
- Stressproof<sup>™</sup> 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 skid. Also available with an industrial grade, off-road trailer mount
- Capable of remote monitoring with live updates that include: pump's global position, discharge pressure, engine data and maintenance log
- · Automatic Priming System sucks air and liquid at the same time. Primes and re-primes completely unattended
- Priming system built with in-line ¼ turn isolation valve for flooded suction applications
- At its Best Efficiency Point this pump is 82% efficient, which reduces energy costs compared to other pumps
- · Heavy duty, massive pump shafts, purposely built for industrial applications
- · Optional Water Level Control
- Optional, easily removable protective Quiet Container that reduces sound down to 70 dB at 28ft away
- · Warranted by Mighty Pumps, Cornell and CAT- 2 year, 2,000 hour warranty

#### PERFORMANCE CURVE





CORNELL



# HT16 PUMP

### **SPECIFICATIONS**

Engine	CAT C32–950 hp continuous
Pump End	Cornell 12NHG28
Gear Box	Twin Disc MG-5114SC-HD
Mounting	Skid
Fuel Tank Capacity	400 US gallons (1,514 L)
Fuel Consumption (1,800 rpm)	45.7 US gal/hr
Run Time* (1,800 rpm)	9 hours
Maximum Operating Speed	1,200 rpm
Max Case Pressure	200 psi (1,379 kPa)
Max Fluid Temperature	180°F (82°C)
Suction Inlet Size	16" 150 lb Flange
Discharge Outlet Size	16" 150 lb Flange

## **PUMP MATERIALS**

**Volute** 

Wear Rings	ASTM A48 Cast Iron
Backplate	ASTM A536-72 Ductile Iron
Impeller	ASTM A48 Cast Iron
Frame	ASTM A48 Cast Iron
Shaft	Stress Proof SAE 1144 Steel
Shaft Seal	Tungsten Carbide vs. Silicon Carbide
<b>Engine Bracket</b>	ASTM A48 Cast Iron

ASTM A536-72 Ductile Iron

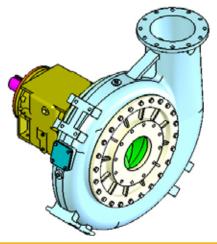
Skid CSA G40.21 44W Steel

#### **MENSIONS**

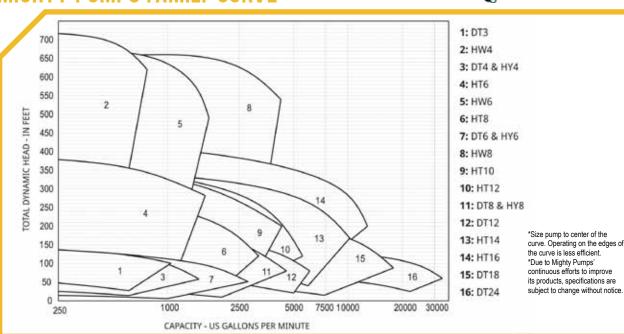
\*one tank of fuel

Height	112" (2,845 mm)
Width	81" (2,057 mm)
Length	227" (5,766 mm)
Weight (Wet)	26,602 lb (12,067 kg)

## **CORNELL 12NHG28**



## **MIGHTY PUMPS FAMILY CURVE**





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