HT12 PUMP

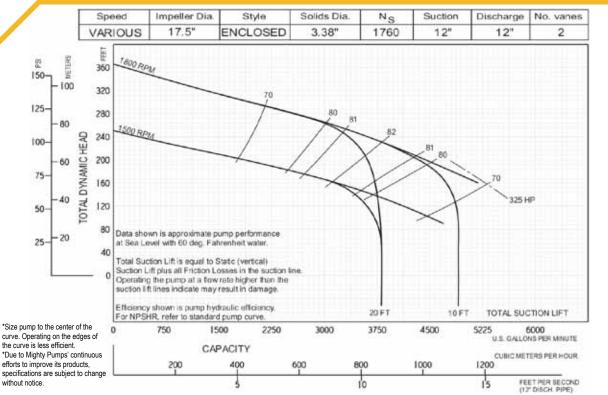
PERFORMANCE

Maximum Outflow	5,100 US gpm (19,306 L/min)
Maximum Head	360 feet (110 m)
Solids Handling	3.38" (86 mm) diameter
BEP with 15' lift	3,600 US gpm @ 240 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 3.38" (86 mm) in diameter
- Standard engine CAT C9–350 hp, also available in John Deere JD6081H- 350 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 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 1/4 turn isolation valve for flooded suction applications
- At its Best Efficiency Point this pump is 81% 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/John Deere- 2 year, 2,000 hour warranty

PERFORMANCE CURVE





Phone: 1-877-898-3494 Email: sales@mightypumps.com www.mightypumps.com



HT12 PUMP

SPECIFICATIONS

Engine

Pump EndCornell 8NHTAMountingSkidFuel Tank Capacity250 US gallonsFuel Consumption (1,800 rpm)15.1 US gal/hrRun Time* (1,800 rpm)17 hoursMaximum Operating Speed1,800 rpmMax Case Pressure175 psi (1,207Max Fluid Temperature180°F (82°C)Suction Inlet Size12" 150 lb FlarDischarge Outlet Size12" 150 lb Flar

CAT C9–350 hp or John Deere JD6081H- 350 hp Cornell 8NHTA Skid 250 US gallons (946 L) 15.1 US gal/hr 17 hours 1,800 rpm 175 psi (1,207 kPa) 180°F (82°C) 12" 150 lb Flange 12" 150 lb Flange

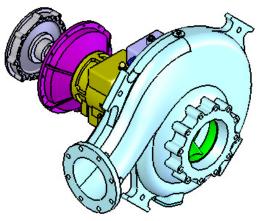
DIMENSIONS

Height	111" (2,819 mm)
Width	56" (1,422 mm)
Length	155" (3,937 mm)
Weight (Wet)	9,380 lb (4,255 kg)

PUMP MATERIALS

Volute	ASTM A536-72 Ductile Iron
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
Engine Bracket	ASTM A48 Cast Iron
Skid	CSA G40.21 44W Steel

CORNELL 8NHTA



1: DT3 700 2: HW4 650 3: DT4 & HY4 600 4: HT6 550 5: HW6 2 8 TOTAL DYNAMIC HEAD - IN FEET 500 6: HT8 5 450 7: DT6 & HY6 400 8: HW8 350 9: HT10 300 10: HT12 14 11: DT8 & HY8 250 12: DT12 200 *Size pump to center of the 13 13: HT14 curve. Operating on the edges of 150 6 the curve is less efficient. 14: HT16 15 100 *Due to Mighty Pumps' continuous efforts to improve 15: DT18 16 50 its products, specifications are 16: DT24 subject to change without notice 0 1000 2500 5000 7500 10000 20000 30000 250 CAPACITY - US GALLONS PER MINUTE



Phone: 1-877-898-3494 Email: sales@mightypumps.com www.mightypumps.com



MIGHTY PUMPS FAMILY CURVE