

DT12 PUMP

PERFORMANCE

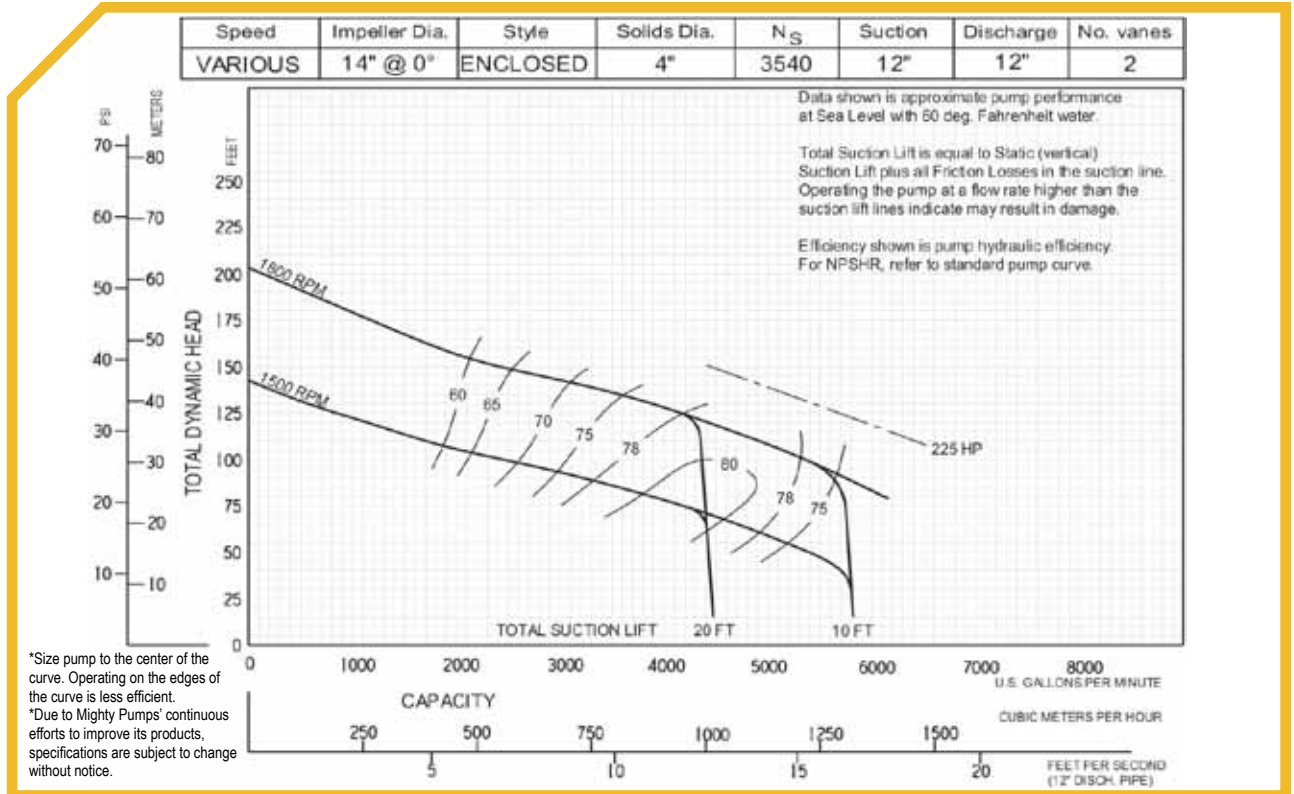
Maximum Outflow	6,100 US gpm (23,091 L/min)
Maximum Head	200 feet (61 m)
Solids Handling	4" (102 mm) diameter
BEP with 15' lift	4,900 US gpm @ 110 feet



PUMP FEATURES

- Dewatering Trash (DT) Pumps move large volumes of water
- Variety of pump applications including sewage, liquids, sludge and liquids with solids up to 4" (102 mm) in diameter
- Standard engine CAT C7-250 hp, also available in John Deere JD6068H- 225 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 for 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-primers completely unattended
- Priming system built with in-line ¼ turn isolation valve for flooded suction applications
- At its Best Efficiency Point this pump is 79% 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



DT12 PUMP

SPECIFICATIONS

Engine	CAT C7-250 hp continuous or John Deere JD6068H- 225 hp
Pump End	Cornell 12NNT
Mounting	Skid
Fuel Tank Capacity	250 US gallons (946 L)
Fuel Consumption (1,800 rpm)	11.8 US gal/hr
Run Time* (1,800 rpm)	21 hours
Maximum Operating Speed	1,800 rpm
Max Case Pressure	150 psi (1,034 kPa)
Max Fluid Temperature	180°F (82°C)
Suction Inlet Size	12" 150 lb Flange
Discharge Outlet Size	12" 150 lb Flange

*one tank of fuel

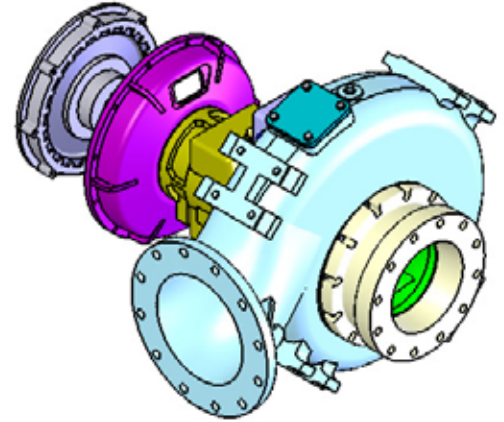
DIMENSIONS

Height	111" (2,819 mm)
Width	56" (1,422 mm)
Length	155" (3,937 mm)
Weight (Wet)	10,580 lb (4,799 kg)

PUMP MATERIALS

Volute	ASTM A48 Cast Iron
Wear Rings	ASTM A48 Cast Iron
Backplate	ASTM A48 Cast 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 12NNT



MIGHTY PUMPS FAMILY CURVE

