

DT18 PUMP

PERFORMANCE

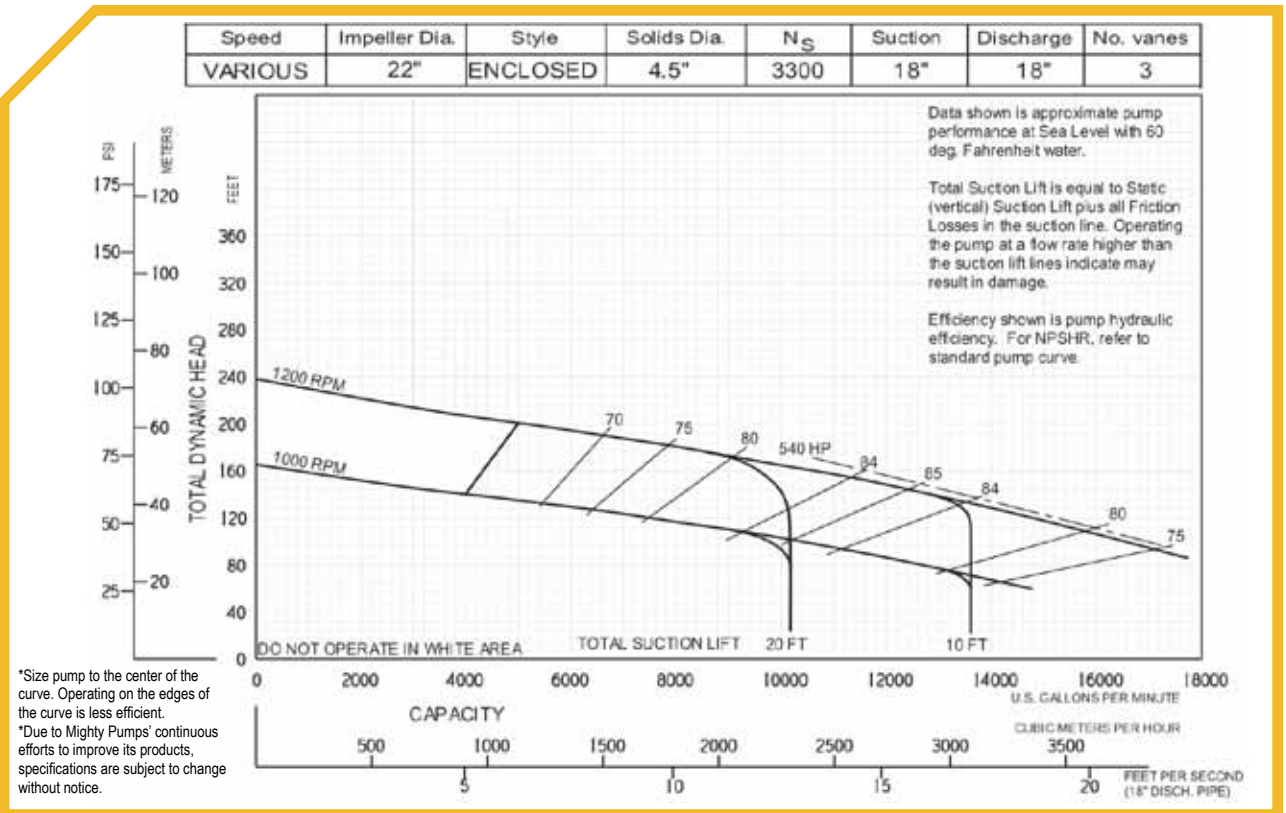
Maximum Outflow	17,300 US gpm (65,487 L/min)
Maximum Head	240 feet (73 m)
Solids Handling	4.5" (114 mm) diameter
BEP with 15' lift	11,000 US gpm @ 159 feet



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 4.5" (114 mm) in diameter
- Standard engine CAT C15-540 hp, also available in John Deere JD6125H- 549 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
- 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 83% 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



MIGHTY PUMPS™

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



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SPECIFICATIONS

Engine	CAT C15-540 hp continuous or John Deere JD6125H- 549 hp
Pump End	Cornell 16NHG22
Gear Box	Twin Disc MG-5114SC-HD
Mounting	Skid
Fuel Tank Capacity	400 US gallons (1,514 L)
Fuel Consumption (1,800 rpm)	23.4 US gal/hr
Run Time* (1,800 rpm)	17 hours
Maximum Operating Speed	1,200 rpm
Max Case Pressure	175 psi (1,207 kPa)
Max Fluid Temperature	180°F (82°C)
Suction Inlet Size	18" 150 lb Flange
Discharge Outlet Size	18" 150 lb Flange

*one tank of fuel

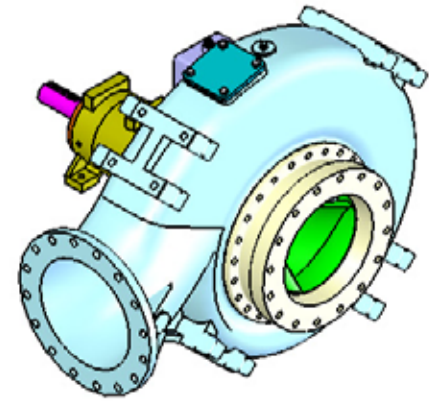
DIMENSIONS

Height	93" (2,362 mm)
Width	81" (2,057 mm)
Length	208" (5,283 mm)
Weight (Wet)	20,402 lb (9,254 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 16NHG22



MIGHTY PUMPS FAMILY CURVE

