



**PREMIER PUMP & POWER**  
THE WAVE OF THE FUTURE

# PREMIER PUMP & POWER

## SPECIFICATION SHEET FOR MODEL 8NNT Trailer Mounted Trash Pump

### VACUUM ASSISTED, HEAVY DUTY SOLIDS HANDLING PUMP

#### PUMP SPECIFICATIONS

Size	8" X 8" AISI 150# flanges
Wear Ring	ASTM A48 class 30 cast iron
Volute Casing	ASTM A48 class 30 cast iron
Backplate	ASTM A48 class 30 cast iron
Mechanical Seal	Tungsten vs. Silicon Carbide seal faces, Viton elastomers, 300 series stainless steel hardware & spring, seal system designed for dry indefinite running
Impeller	Enclosed type, two vane, non clog, w/3.38 inch spherical solids handling capability. Cast Iron
Bearing Housing	ASTM A48 class 30 cast iron
Pump-end Bearing	Single row ball – 6316-C3
Drive-end Bearing	Duplex angular contact ball - 7316-C3
Shaft	1144 Stressproof steel
Lip Seals	CR type, single lip
Discharge check valve	Swing type, ductile iron w/Buna-N disc

#### PRIMING

Priming System	50 CFM diaphragm vacuum pump
Separator Spool	Standard steel
Air/Water Chamber	Chamber designed to separate air and water before entering the pump case



#### ENGINE SPECIFICATIONS

Model	John Deere Model 4045HFC06
Horsepower	173 intermittent horsepower @ 2400 RPM six cylinder, four cycle, water cooled diesel engine Final Tier 4
Governor	Electronic
Fuel Consumption	8.33 Gallons Per Hour @ Max RPM
Safety Shut Down	Low Oil Pressure, High Temperature
Instrument Panel	Lofa CP750 auto start panel

#### STANDARD TRAILER

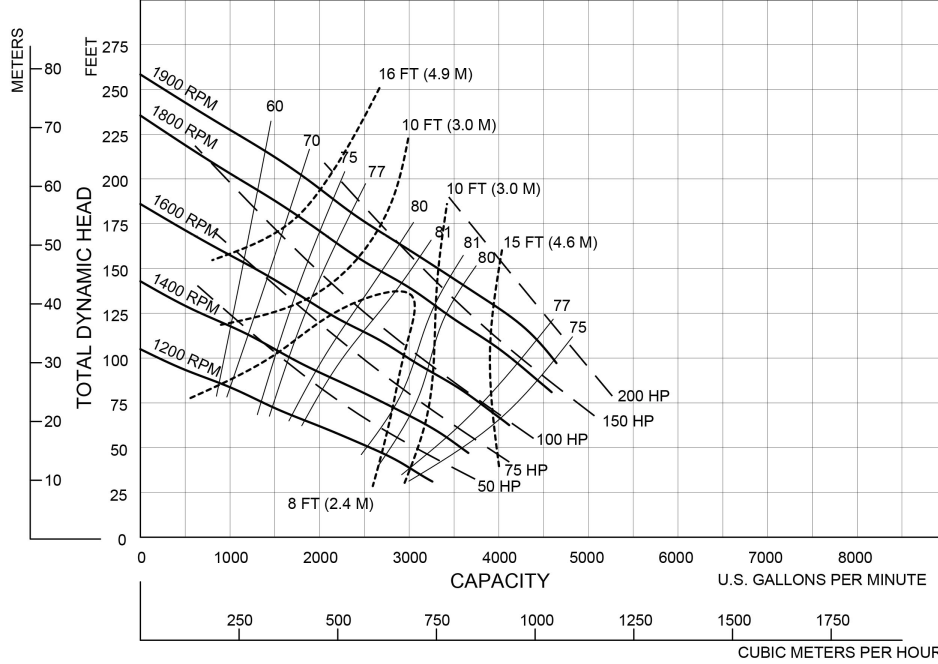
Frame	Heavy duty, powder coated fabricated steel frame with lifting bale
Fuel Tank	120 gallon HDPE fuel cell
Axel	6000#Torsion Flex
Brakes	Electric with DOT lighting package

# PERFORMANCE CURVE

Feet x .305 = Meters  
 Inches x 25.4 = Millimeters  
 GPM x .227 = Cubic Meters/Hour  
 GPM x 3.785 = Liters/Minute  
 HP x .746 = KW

Speed	Impeller Dia.	Style	Solids Dia.	N <sub>S</sub>	Suction	Discharge	No. vanes
VARIOUS	14"	ENCLOSED	3.375"	2450	8"	8"	2

SINGLE VOLUTE MOUNTING CONFIG.: CC, VM, F, VF, EM, VC



Performances shown are for cool water, close-coupled electric configuration with Cyclotest®. Other mounting styles or liquids may require horsepower and/or performance adjustments.

8NNT VARIOUS RPM

# DIMENSIONAL DRAWINGS

