



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

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## **SPECIFICATION SHEET FOR MODEL 6NHTA Trailer Mounted Trash Pump** VACUUM ASSISTED, HEAVY DUTY SOLIDS HANDLING PUMP



### **PUMP SPECIFICATIONS**

Size	6" X 6" 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 four cylinder, four cycle, water cooled diesel engine, Final Tier 4
Governor	Electronic
Fuel Consumption	7.99 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	180 gallon HDPE fuel cell
Axle	Dual 7000# Torsion Flex
Brakes	Electric with DOT lighting package

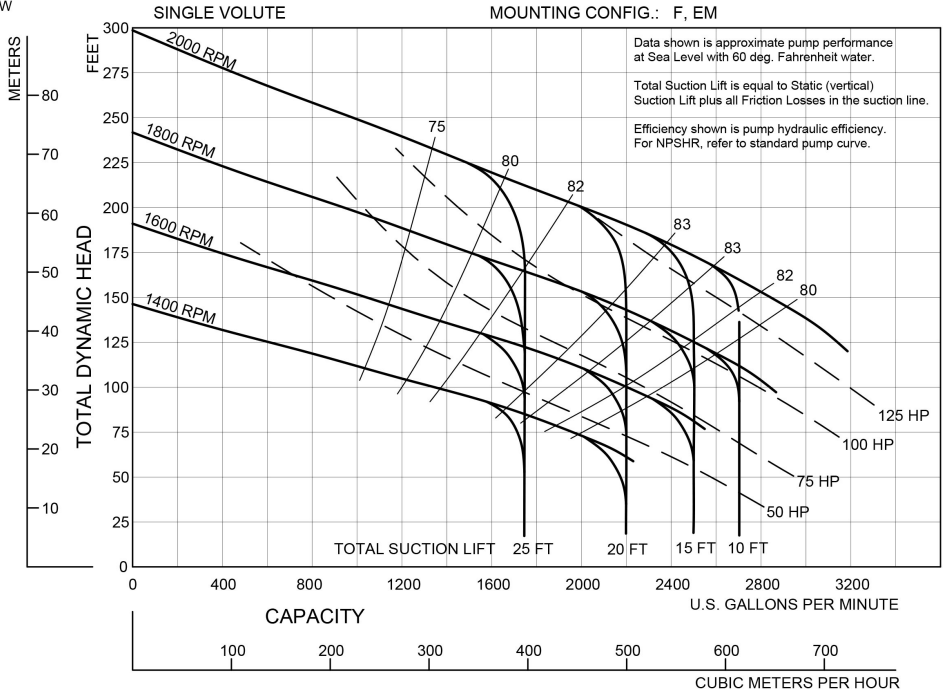
### **ENCLOSURE**

Material	14 Gauge solid steel outer shell
Finish	Powder coated
Sound Barrier	1"- 2" Acoustical foam insulation
Access Panels	Hinged, lockable swinging doors for easy access to pump and engine.
Sound Level	Unit not to exceed 70 DBA @ 30

# 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"	2120	8"	6"	2



Performances shown are for cool water. Add 1.5 HP for belt driven diaphragm pumps. Other liquids or mounting configurations may require performance adjustments.

6NHTA REDI • PRIME<sup>®</sup> - VARIOUS RPM

# DIMENSIONAL DRAWINGS