



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

# PREMIER PUMP & POWER

## SPECIFICATION SHEET FOR MODEL 8NHTA-SA Trailer Mounted Trash Pump

VACUUM ASSISTED, HEAVY DUTY  
SOLIDS HANDLING PUMP

### PUMP SPECIFICATIONS

Size	10" 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 port, non clog, w/3.38 inch spherical solids handling capability. ASTM A48 class 30 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	4140 steel
Lip Seals	CR type, single lip
Discharge check valve	Swing type, ductile iron w/Buna-N disc

### PRIMING

Priming System	Haldex 1300 Series compressor. Lubricated by engine oil and cooled by engine water
Separator Spool	Standard steel
Air/Water Chamber	Chamber designed to separate air and water before entering the pump case
Venturi	Constructed of non-corrosive bronze
Optional Priming	50 CFM diaphragm vacuum pump



### ENGINE SPECIFICATIONS

Model	Cummins Model QSB6.7 Final Tier 4
Horsepower	300 intermittent horsepower @ 2400 RPM six cylinder, four cycle, water cooled diesel engine
Governor	Electronic
Fuel Consumption	14.1 Gallons Per Hour @ Max RPM
Safety Shut Down	Low Oil Pressure, High Temperature
Instrument Panel	Lofa CP750 auto start

### 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 light package

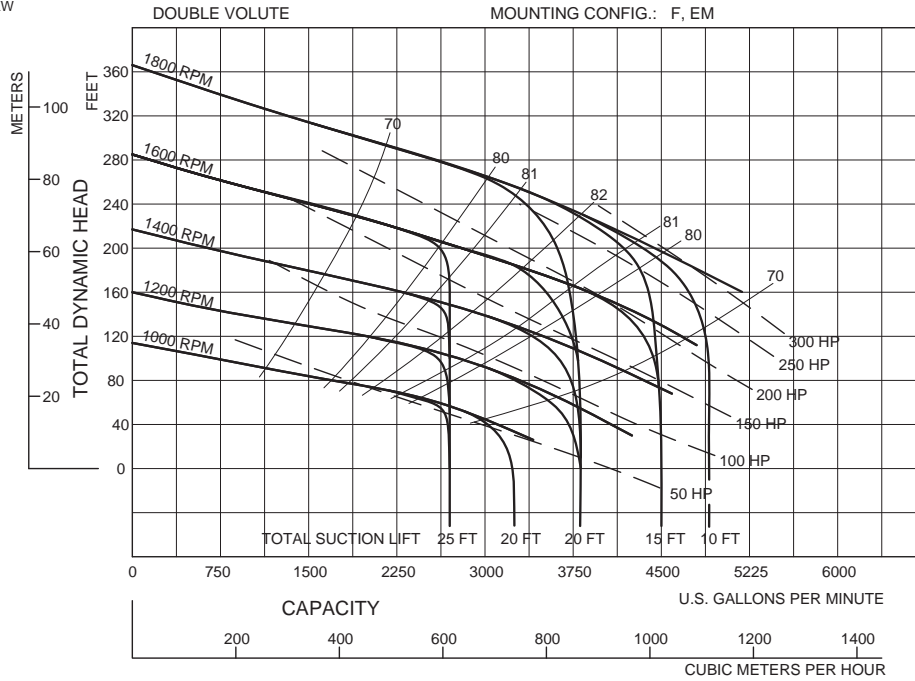
### ENCLOSURE

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	17.5"	ENCLOSED	3.38"	1760	10"	8"	2



Premier Pump and Power, LLC

8NHTA REDI • PRIME® - VARIOUS RPM

# DIMENSIONAL DRAWINGS