



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

# PREMIER PUMP & POWER

## SPECIFICATION SHEET FOR MODEL 8NHG19 Trailer Mounted Trash Pump

VACUUM ASSISTED, HEAVY DUTY SOLIDS  
HANDLING PUMP

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



(315 HP Scania Pictured)

### ENGINE SPECIFICATIONS

Model	Cummins Model QSB9 Final Tier 4
Horsepower	430 intermittent horsepower @ 2100 RPM six cylinder, four cycle, water cooled diesel engine
Governor	Electronic
Fuel Consumption	18 Gallons Per Hour @ Max duty point
Safety Shut Down	Low Oil Pressure, High Temperature
Instrument Panel	Lofa CP750 auto start

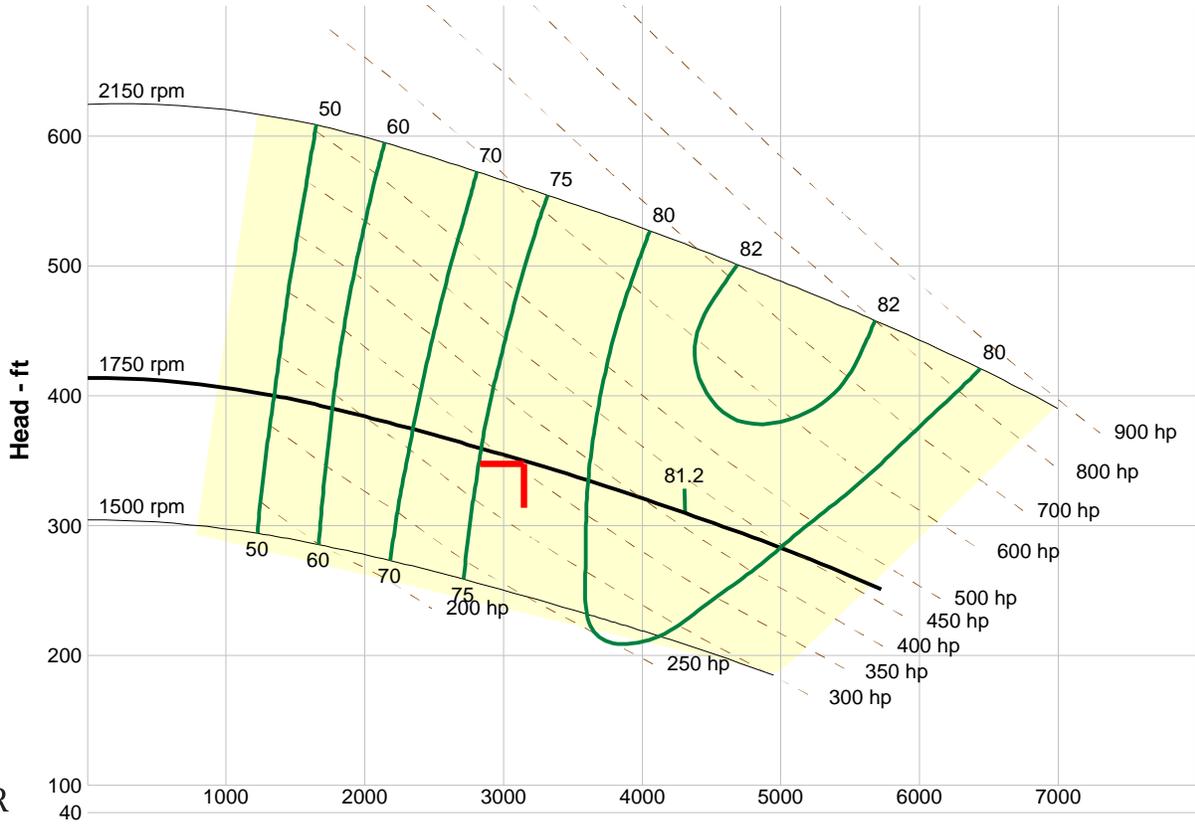
### STANDARD TRAILER

Frame	Heavy duty, powder coated fabricated steel frame with lifting bale
Fuel Tank	250 gallon fuel cell
Axel	Dual 7000# Torsion Flex
Brakes	Electric with DOT lighting package

SOLIDS HANDLING PUMP

# PERFORMANCE CURVE

---- Data Point ----	
Flow:	3150 US gpm
Head:	349 ft
Eff:	77%
Power:	359 hp
NPSHr:	11.6 ft
---- Design Curve ----	
Shutoff head:	414 ft
Shutoff dP:	179 psi
Min flow:	---
BEP:	81% @ 4307 US gpm
NOL power:	468 hp @ 5721 US gpm
-- Max Curve --	
Max power:	887 hp @ 6994 US gpm



# DIMENSIONAL DRAWINGS