



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

# PREMIER PUMP & POWER

## SPECIFICATION SHEET FOR MODEL 4NNTL Trailer Mounted Trash Pump

VACUUM ASSISTED, HEAVY DUTY SOLIDS  
HANDLING PUMP

### PUMP SPECIFICATIONS

Size	4" x 4" AISI 125# flanges ASTM
Wear Ring	A48 class 30 cast iron ASTM
Volute Casing	A48 class 30 cast iron ASTM
Backplate	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 inch spherical solids handling capability. ASTM A48 class 30 gray iron
Bearing Housing	ASTM A48 class 30 cast iron
Pump-end Bearing	Single row ball – 6309-C3
Drive-end Bearing	Single row ball – 6309-C3
Shaft	17-4 PH corrosion resistant
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	Yanmar Model 3TNV88 final Tier 4
Horsepower	25 intermittent horsepower @ 2500 RPM three cylinder, four cycle, water cooled diesel engine
Governor	Mechanical
Fuel Consumption	1.6 Gallons Per Hour @ Max RPM
Safety Shut Down	Low Oil Pressure, High Temperature
Instrument Panel	Lofa CP50 auto start control panel

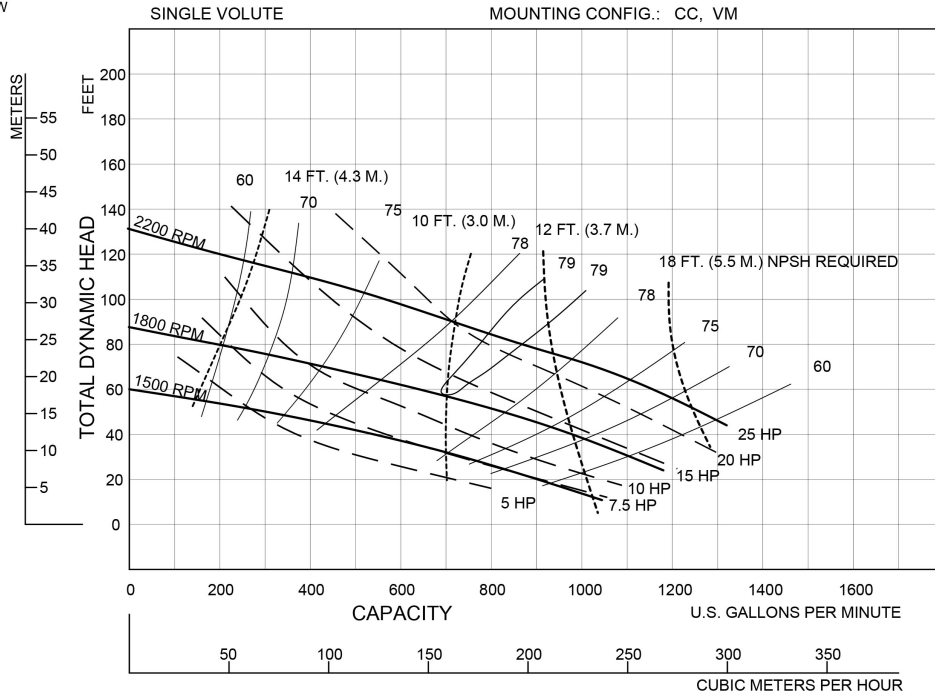
### STANDARD TRAILER

Frame	Heavy duty, powder coated fabricated steel frame with lifting bale
Fuel Tank	65 gallon HDPE fuel cell
Axle	3500# 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	8.25"@0°	ENCLOSED	3"	2400	4"	4"	2



4NNTL - VARIOUS RPM

# DIMENSIONAL DRAWINGS