

HOLLAND P U M P

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Section: 40-20
17 Mar 06

PRIME³ Vacuum Assisted Suction Pump
Model PT4TMS - P404C22
Size 4" Trash, Materials, Sludge Pump

Holland® Pump Company
Corporate Office: 2610 Sidney Lanier Drive
Brunswick, Georgia 31525
Phone 912-466-0304
1-888-997-PUMP
www.hollandpump.com

PUMP SPECIFICATIONS

Type/Model: Solids and slurry handling, lower head pump/ Cornell 4NNDH

Volute: Fine gray cast iron, 6" suction, 4" discharge

Impeller: 2 Vane open Delta® impeller diameter 10.09", fine gray iron.
Handles 3" compressible, spherical solids

PRIME³ Priming System: Automatic dry priming and repriming system that features a 50 cfm water tolerant, diaphragm vacuum pump driven by the main drive shaft. Our major competitors use a 15 cfm compressor pump with a small compressor venturi that can easily clog. The air/water separator is a simple, reliable stainless steel float that opens and closes a rubber plunger as water rises and falls. A non return valve isolates the pump during priming and protects against back flow

Check Valve: Holland Pump Design

Seal: Cornell patented Cycloseal® design with Run-Dry oil lubrication system. Single mechanical seal with Viton® Elastmers, stainless steel hardware and tungsten versus silicon-carbide seal faces for abrasion

Shaft Sleeve: Heat treated 416 stainless steel

Bearings: Heavy duty, grease lubricated, deep groove ball bearings, with a minimum of 50,000 hours bearing life

Hardware: Stainless steel float linkage. A positive seating vacuum priming valve prevents water carry-over to the vacuum, pump or atmosphere

Vacuum Pump: 50 SCFM Maximum



ENGINE SPECIFICATIONS

Model: Perkins 404C-22

Type: 4 Cylinder, 4 Stroke, Naturally Aspirated, Liquid Cooled Diesel Engine

Displacement: 2.2 L (134 cu. in.)

Governor: Mechanical

Lubrication: Forced Circulation

Air Cleaner: Dry Type with Replaceable Element

Lube Oil Capacity: 7.6 L (2 U.S. gal)

Coolant Capacity: 9.4 L (2.5 U.S. gal)

Fuel Tank: Integral 114 U.S. Gallon Capacity (#2 Diesel Fuel)

Full Load Operating Time: 60 Hours Minimum

Starter: 12 Volt, 2 kW

Standard Features: Skid, SAE 4 Flywheel Housing, SAE 7-1/2" Flywheel, Murphy Safety Shutdown System Covering: Engine Oil Pressure, High Water Temperature

Optional Features: Auto-Oiler with Engine Oil Shutdown, Auto-Start, HANS (Holland Automatic Notification System), Site or DOT Highway Trailer, Full Instrument Package

Coupling: SAE 4 Bell housing adapter, Stromag coupling

Perkins Published Performance: Power: 35 BHP Continuous @ 2000 RPM

PT4TMS @ 1800 RPM and 15' Lift	Capacity of Pump in U.S. Gallons per Minute (gpm) @ Continuous Performance
120' Head	Max Head
90' Head	550
50' Head	820

Specifications subject to change without notice

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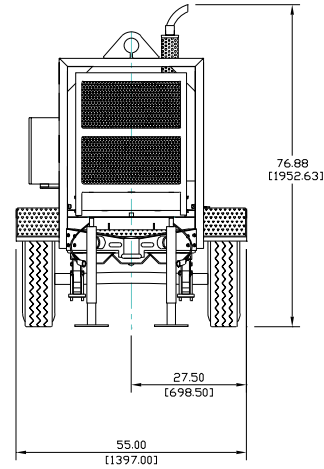
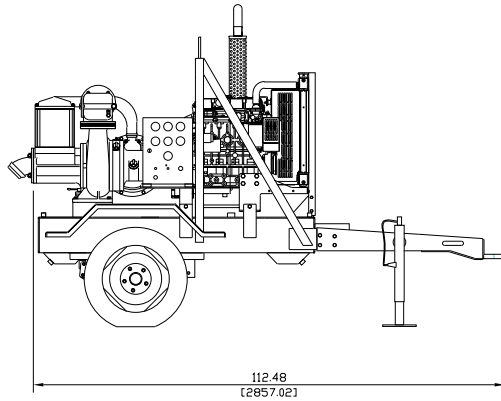
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Approximate Dimensions
Powered by Perkins 404C-22 Diesel Engine

	Skid Base	DOT Trailer
Net Weight (lbs)	3110	3510
Shipping Weight (lbs)	3300	N/A
Export Crate Size (cu. ft)	130	N/A



TOTAL HEAD
FT

Performance Curve Model: PT4TMS - P404C22
Size: 4" Trash, Materials, Sludge Pump

