



10 x 8 Vac Assist Diesel-Driven Pump 100-1108

Pump Specifications

Make	Atlas Copco
Model	PAC H108
Size	10" x 8" (254 mm x 203 mm)
Impeller Diameter	17" (440 mm)
Impeller Type	Closed, 2 vane
Max Flow	6,400 gpm
Q Max Eff.	4,270 gpm
Max Head	360 feet (109.7 meters)
Max. Operating Speed	1,800 rpm
Max. Operating Temp.	200 °F (93 °C)
Max. Operating Press.	156 psi (1,075.58 kPa)
Maximum Solid Size	3.5 inch (89 mm)

Engine Specifications

FT4 Engine Type	John Deere 6090HFC09, 6-Cylinder
Displacement	549 cu. in. (9 l)
Fuel Consumption	16 gph @ 1,800 rpm
Continuous HP	325 hp (242 kW)
Peak Intermittent HP Rating	425 hp (317 kW)
FT4 Specifics (Def or No Def, DOC, SCR, etc.)	DEF
Safety Shut-Down Switches	Low oil pressure, high temp
Instrument Panel	Oil pressure gauge, ampmeter

Priming System

Priming System	Mechanically driven diaphragm-style vacuum pump
Air Removal Cap.	50 cfm (.02 cms)
Max Vacuum	-26.6 inHg
Priming Chamber	Single chamber with positive sealing air separation w/stainless steel float ball & linkage
Discharge Check Valve	ASTM A536 ductile iron + NBR rubber flap
Drives	Link belt



Features & Benefits

Indefinite run-dry capability
Extreme flow technology
Environmentally safe priming system
Auto-start controls
Skid options available

Package Specifications

Fuel Tank Capacity	250 U.S. gallons
DEF Tank Capacity	11.8 U.S. gallons
Control Panel	Controls, Inc.
Operating Speed (Max)	1,800 rpm
Weight (Dry/Wet)	11,375 lbs / 13,400 lbs
Instrument Compatibility	High/low level floats, transducers
Trailer Brakes	Electric
Optional Adders	NTE automation
Coatings	Epoxy powder, avg. thickness of 3 MIL
Features	Lifting beam. Fork lift pockets. Pump access through hinged door. Protected PE fuel tank.
Battery	Acid charge Pb-Ca maintenance free, 2-12V - 1100 CCA Batteries

Materials of Construction

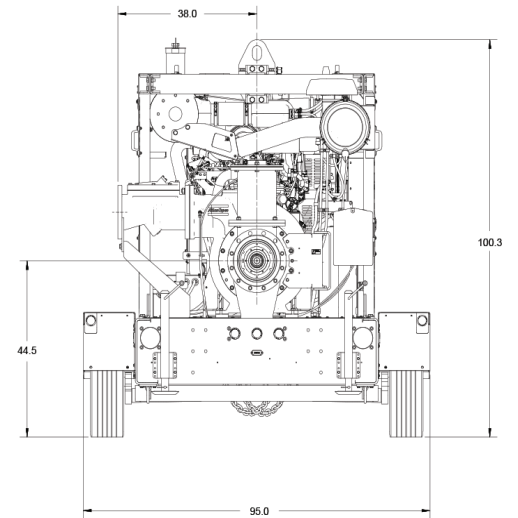
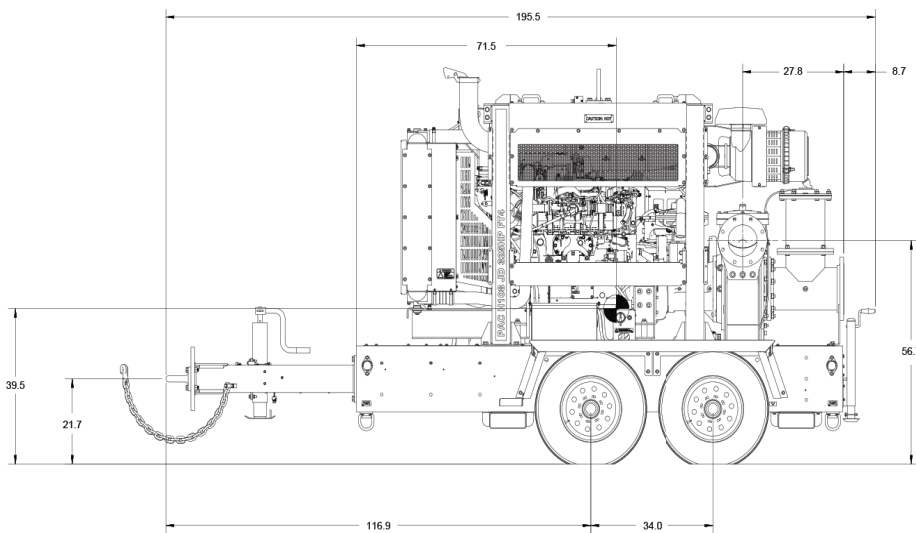
Impeller	ASTM A743 CA6NM
Shaft	AISI 630 Stainless Steel
Wear Ring	ASTM A48 Class 20 Grey Iron
Wear Plate	ASTM A48 Class 20 Grey Iron + NBR Rubber Coating
Casing	ASTM A536 Ductile Iron
Mechanical Seal	Silicon Carbide vs. Silicone Carbide
Elastomers	VITON
Separator	Steel



NATIONAL
TANK & EQUIPMENT

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Mechanical Dimensions



NTRENTS.COM

SALES@NTRENTS.COM

888.213.7950

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Performance Curve

Speed	Impeller Dia.	Style	Solids Dia.	Ns	Suction	Discharge	No. Vanes
Various	17" / 440 mm	Enclosed	3.5" / 89 mm	1800 rpm	10" / 250 mm	8" / 200 mm	2

