Sound Attenuated Diesel Engine Driven Environmental Silent Pump

Priming Assisted Centrifugal Pump w/Autostart

Model PA4A60C-C2.2T S5-ESP /S1

Size 4” x 4”

Prime Aire®

VARIOUS PATENTS APPLY

TWO-YEAR WARRANTY 2 PRIMING-ASSIST

Total Head		Capacity of Pump in U.S. Gallons per Minute (GPM) at Continuous Performance			
P.S.I.	Feet				
58.5	135	220	220	220	220
52.0	120	375	490	490	490
43.4	100	390	548	672	780
34.7	80	405	558	683	812
26.0	60	415	568	695	832
17.3	40	425	578	708	853
Suction Lift		**25’**	**20’**	**15’**	**10’**

PUMP SPECIFICATIONS

Size: 4” x 4” (102 mm x 102 mm) Flanged.
Casing: Gray Iron 30.
Maximum Operating Pressure 99 psi (683 kPa).*
Semi-Open Type, Two Vane Impeller: Ductile Iron 65-45-12. Handles 3” (76,2 mm) Diameter Spherical Solids.
Impeller Shaft: Stainless Steel 17-4 PH.
Replaceable Wear Plate: Carbon Steel 1015.
Bearing Housing: Gray Iron 30.
Seal Plate: Gray Iron 30.
Seal: Cartridge Type, Mechanical, Oil-Lubricated, Double Floating, Self-Aligning. Silicon Carbide Rotating and Stationary Faces. Stainless Steel 316 Stationary Seat. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel 18-8 Cage and Spring. Maximum Temperature of Liquid Pumped 160°F (71°C).*
Shaft Sleeve: Alloy Steel 4130.
Priming Chamber: Gray Iron 30 Housing w/Stainless Steel Float and Linkage.
Discharge Check Valve: Ductile Iron Housing w/Buna-N Flapper.
Radial Bearing: Open Single Row Ball.
Thrust Bearing: Open Double Row Ball.
Bearing and Seal Cavity Lubrication: SAE 30 Non-Detergent Oil.
Gaskets: Vegetable Fiber and Buna-N.
O-Rings: Buna-N.
Hardware: Standard Plated Steel.
Bearing and Seal Cavity Oil Level Sight Gauges.

**Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.*

Standard Equipment: Hoisting Bail. Battery. Heated Priming Chamber. Wheel Kit w/DOT Approved Lights and Electric Brakes. Combination Skid Base w/Fuel Tank. Gear - Driven Air Compressor. Soundproof (EPA Average 78.4 dBA at 23 feet [7 meters] under load) Lightweight Aluminum Enclosure - Removable for Maintenance of Pump or Engine - w/Lockable Door Panels. Full Feature Control Panel, Single Ball Type Float Switch.**

Optional Equipment: Flange Kit, Liquid Level Transducer.

***50 Ft. (15 m) Standard Length; Dual Switches and Alternate Cable Lengths Available From the Factory.*

WARNING!
Do not use in explosive atmosphere or for pumping volatile flammable liquids.

ENGINE SPECIFICATIONS

Model: Caterpillar C2.2T.
EPA Tier Stage 5.
Type: Four Cylinder Turbocharged, Diesel Engine.
Displacement: 134 Cu. In. (2,2 Liters).
Governor: Electronic.
Lubrication: Forced Circulation.
Air Cleaner: Dry Type.
Fuel Tank: 70 U.S. Gals. (265 liters).
Full Load Operating Time: 24 Hrs.
Starter: 12V Electric.

Standard Features: Vertical Exhaust Pipe w/Weather Cap, DPF Exhaust After-Treatment System.
Engine Control Features: Padlockable Box with Throttle Control, Tachometer, Coolant Temperature, Oil Pressure, Voltage and Overstart Indicators/Shutdowns. Manual/Stop/Auto Keyswitch. Audible Startup Warning Delay. Fuel Level Display/Alarm/Shutdown.

CATERPILLAR PUBLISHED PERFORMANCE:

Maximum Gross BHP (Intermittent)
49 (37 kW) @ 2800 RPM

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Specification Data

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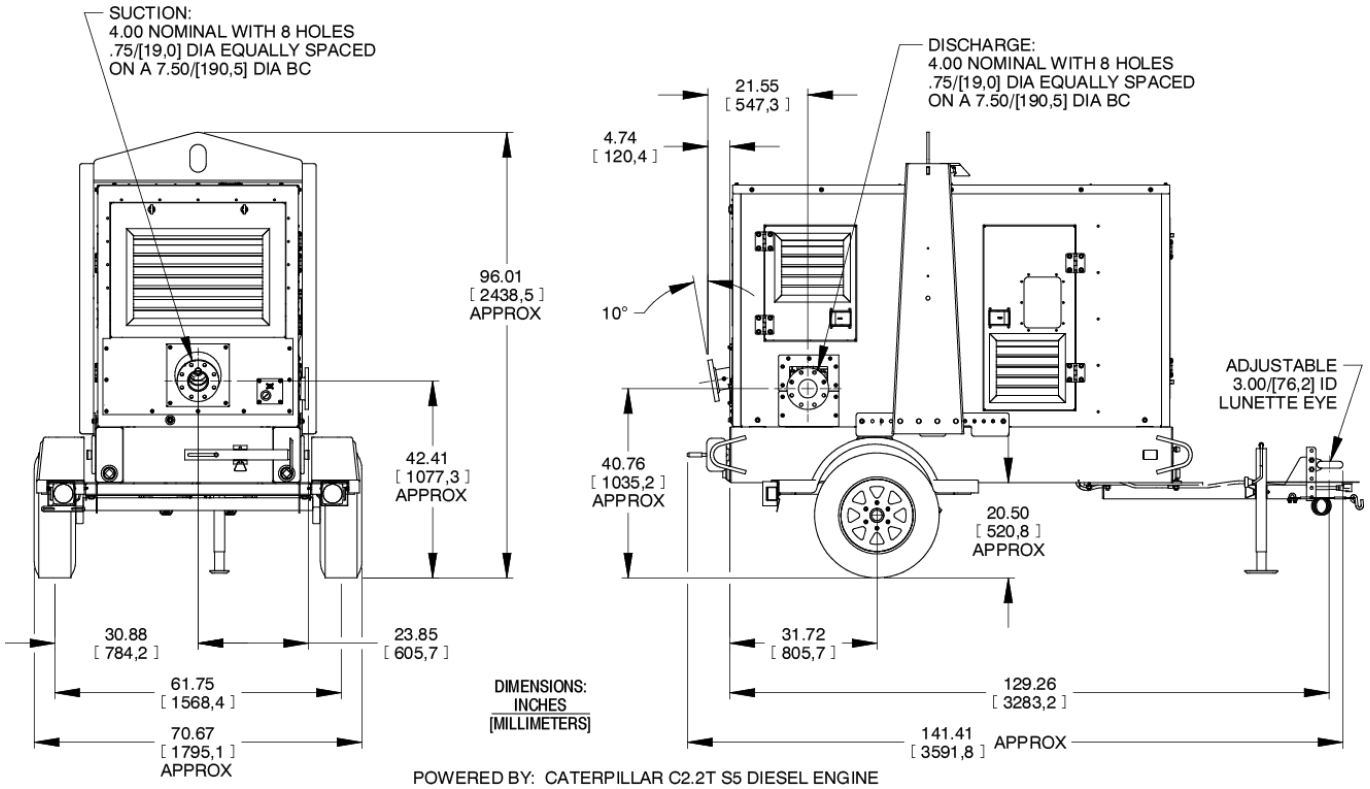
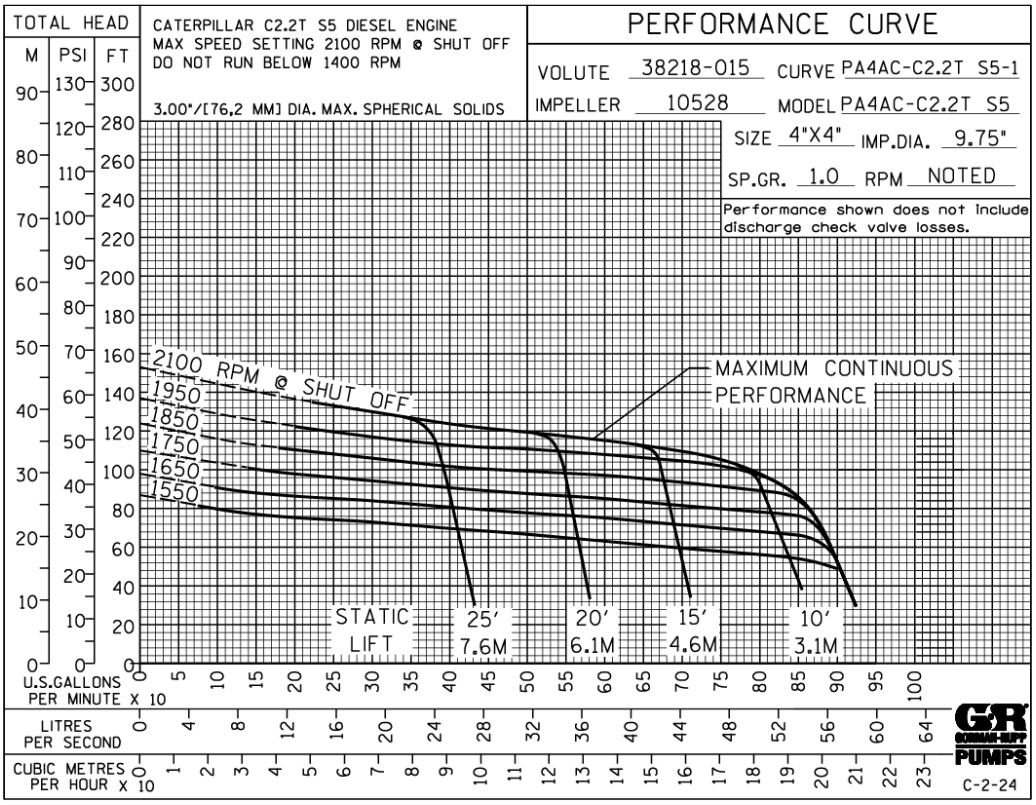
APPROXIMATE DIMENSIONS and WEIGHTS

NET WEIGHT: **3985 LBS. (1807,6 K.G.)**
SHIPPING DIMENSIONS: **627 CU. FT. (17,8 CU. M.)**



POWERED BY: CATERPILLAR C2.2T S5 DIESEL ENGINE



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Specifications Subject to Change Without Notice

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