

ACDEU

Diesel Engine Driven

**Priming Assisted Centrifugal Pump
w/Autostart**



Model PAH16A60C-B-C18

Size 18" x 16"



Total Head		Capacity of Pump in U.S. Gallons per Minute (GPM) at Continuous Performance			
P.S.I.	Feet				
78.0	180	N/A	5000	5000	5000
69.4	160	N/A	8300	10400	10400
60.0	140	N/A	8500	11600	13200
52.0	120	N/A	8600	12000	13800
43.4	100	5600	8800	12000	13900
34.7	80	6000	8900	12100	13900
26.0	60	6100	9100	12100	13900
17.3	40	6200	9200	12200	14000
8.7	20	6500	9400	12300	14000
Suction Lift		25'	20'	15'	10'



PUMP SPECIFICATIONS

Size: 18" x 16" (457 mm x 406 mm) Flanged.
Casing: Ductile Iron 65-45-12.
 Maximum Casing Pressure 117 psi (807 kPa).*
Enclosed Type, Six Vane Impeller: Ductile Iron 80-55-06.
 Handles 4" (101,6 mm) Diameter Spherical Solids.
Impeller Shaft: Alloy Steel 4150M.
Replaceable Wear Ring: Ductile Iron 65-45-12.
Bearing Pedestal: Gray Iron 30.
Seal Plate: Ductile Iron 65-45-12.
Seal: Mechanical, Oil-Lubricated. Silicon Carbide Rotating Face and Stationary Seat. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel 316 Cage and Stainless Steel 18-8 Spring. Maximum Temperature of Liquid Pumped 160 F (71 °C).*
Shaft Sleeve: Stainless Steel 303/304.
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 Straight Roller.
Radial/Thrust Bearing: Open Double Row Tapered Roller.
Bearing and Seal Cavity Lubrication: SAE 30 Non-Detergent Oil.
Suction Spool: Gray Iron 30.
Gaskets: Resistant Synthetic Rubber, Vegetable Fiber w/Compressed Synthetic Fibers.
O-Rings: Buna-N.
Hardware: Standard Plated Steel.
Bearing and Seal Cavity Oil Level Sight Gauges.
Standard Equipment: Belt-Driven Air Compressor. 2:1 Gear Reducer. Hoisting Bail. Combination Skid Base w/Fuel Tank. Strainer. Single Ball Type Float Switch. **
**Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.*
Optional Equipment: Batteries (2 Req'd). Heated Priming Chamber Kit. Heated Priming Chamber Kit. Suction Vacuum and Discharge Pressure Gauge Kit. EPS w/Submersible Transducer Liquid Level Sensor.**
***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 C18.
Type: Six Cylinder, Turbocharged AfterCooled, Liquid Cooled Diesel Engine.
Displacement: 1104.5 Cu. In. (18,1 liters).
Lubrication: Forced Circulation.
Air Cleaner: Dry Type.
Fuel Tank: 368 U.S. Gals. (1393 liters).
Full Load Operating Time: 12.8 Hrs.
Starter: 12V Electric.
Standard Features: Low Oil Pressure and High Coolant Temperature Safety Shut Down Switches. Autostart Instrument Panel Includes: Tachometer, Voltmeter, Hourmeter, Coolant Temperature Gauge, Oil Pressure Gauge, Manual/Stop/Auto Key Switch, 10 Amp Pushbutton Circuit Breaker, Startup Warning Delay. Muffler w/Weather Cap. Throttle Control.

CATERPILLAR PUBLISHED PERFORMANCE:
 Maximum Gross Industrial BHP (Intermittent)
 755 (563 kW) @ 1800 RPM



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

www.grpumps.com

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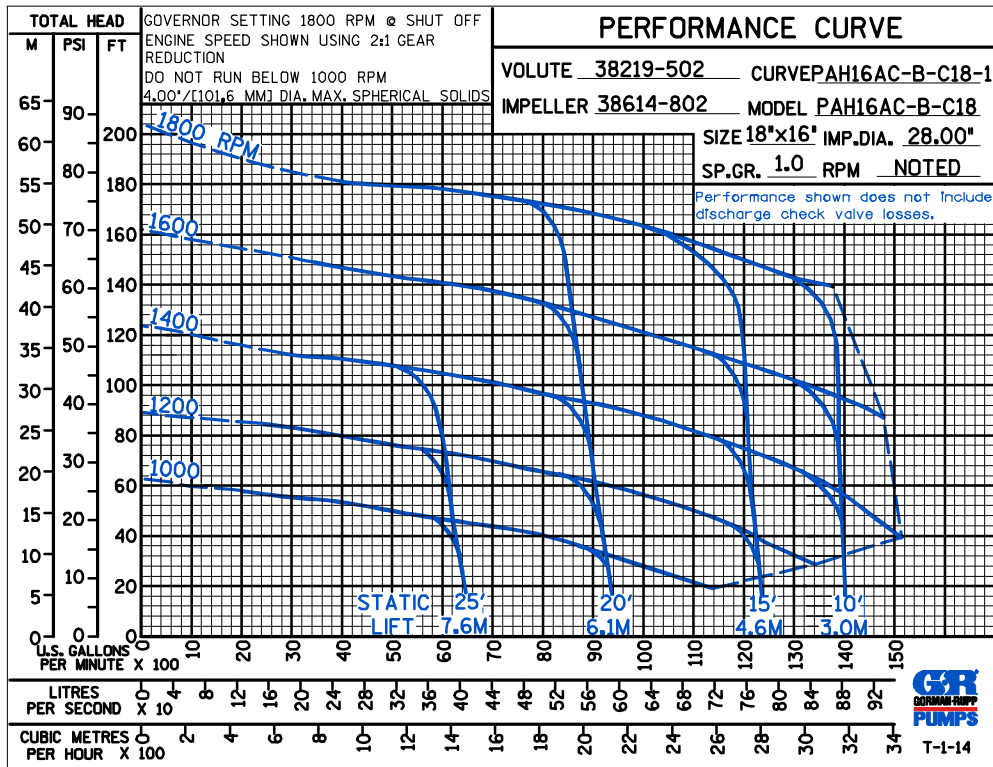
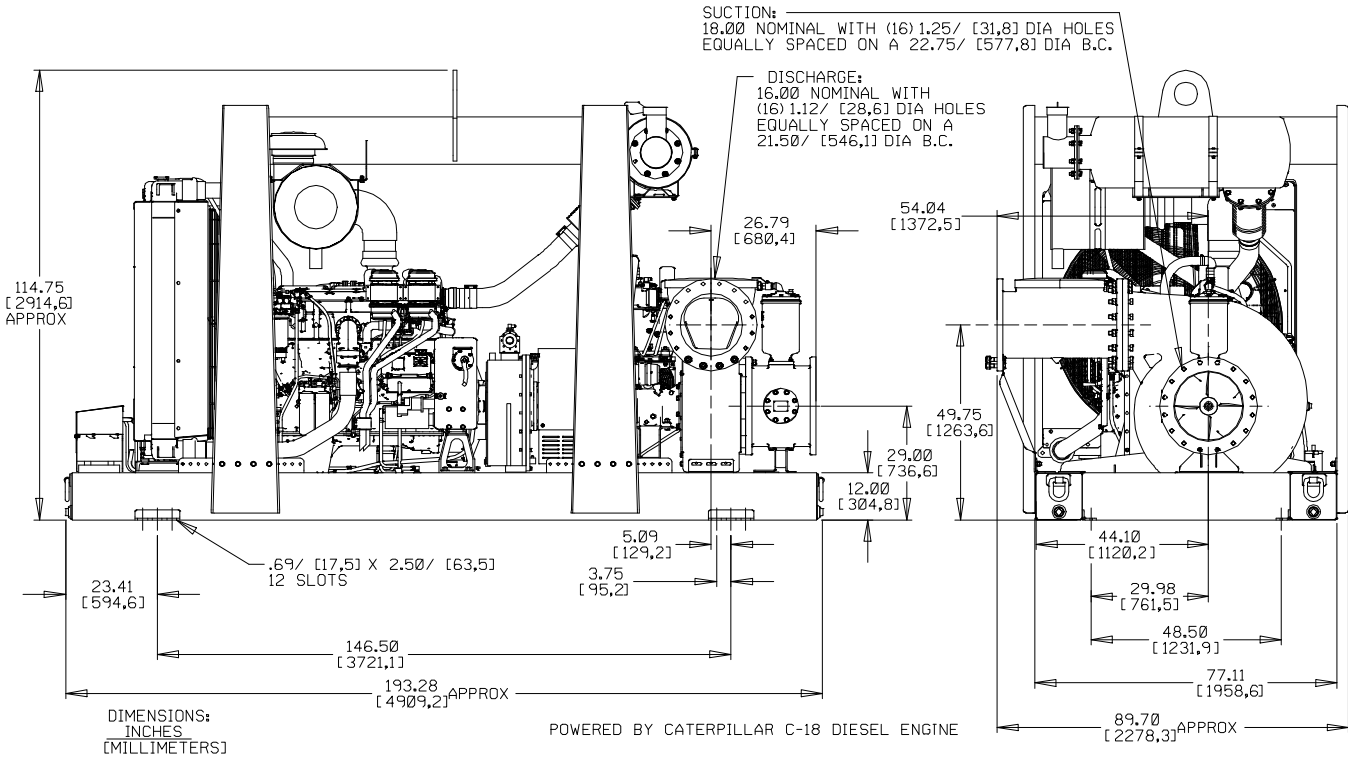
Specification Data

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APPROXIMATE
DIMENSIONS and
WEIGHTS

NET WEIGHT:
SHIPPING WEIGHT:
EXPORT CRATE SIZE:

16020 LBS. (7266,5 KG.)
16800 LBS. (7620,4 KG.)
1333 CU. FT. (37,7 CU. M.)



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