THEN, NOW, ALWAYS. MOVING FORWARD.

SPECIFICATIONS – INTEGRATED CROSSMOUNTS: 750-200-DC, 1000-200-DC AND 1250-200-DC

CAFSystems™ With Fast and Effective Pump-and-Roll Capabilities

Waterous integrated crossmount CAFSystems blend the speed and effectiveness of CAFS with true pump-and-roll capabilities. Designed for transverse mounting within a pump compartment, the engine pump and air compressor are integrated as a single, skid−mounted unit. Available flows from 750 GPM (2850 L/min) up to 1250 GPM (4750 L/min) and air capacity of 200 SCFM (5.6 m^3/min). All units come with an industry exclusive 7-year warranty.

750-200-DC:

Engine:
Deutz model BF6M1012E turbocharged and aftercooled, six cylinder, liquid cooled, diesel engine providing 170 horsepower, 127 kW.

Pump:
Waterous CXVT centrifugal fire pump. CXVT utilizes a high−tensile gray iron body, bronze impeller, replaceable wear rings and maintenance−free mechanical seals.

The 750-200-DC develops a minimum of 400 GPM of water at 125 psig (1500 l/min @ 8.6 bar) and 200 cfm at 125 psig (5.6 m^3/min @ 8.6 bar) simultaneously. With the compressor disengaged, the water pump is capable of the following ratings:

- 750 GPM @ 150 psig / 2850 l/min @ 10.3 bar
- 750 GPM @ 165 psig / 2850 l/min @ 11.4 bar
- 525 GPM @ 200 psig / 1985 l/min @ 13.8 bar
- 375 GPM @ 250 psig / 1420 l/min @ 17.2 bar

1000-200-DC

Engine:
Deutz model BF6M1013 turbocharged and aftercooled, six cylinder, liquid cooled, diesel engine providing 192 horsepower, 143 kW.

Pump:
Waterous CXVT centrifugal fire pump. CXVT utilizes a high−tensile gray iron body, bronze impeller, replaceable wear rings and maintenance−free mechanical seals.

The 1000-200-DC develops a minimum of 400 GPM of water at 125 psig (1500 l/min @ 8.6 bar) and 200 cfm at 125 psig (5.6 m^3/min @ 8.6 bar) simultaneously. With the compressor disengaged, the water pump is capable of the following ratings:

- 1000 GPM @ 150 psig / 3800 l/min @ 10.3 bar
- 1000 GPM @ 165 psig / 3800 l/min @ 11.4 bar
- 700 GPM @ 200 psig / 2650 l/min @ 13.8 bar
- 500 GPM @ 250 psig / 1892 l/min @ 17.2 bar

1250-200-DC

Engine:
Deutz model BF6M1013C turbocharged and aftercooled, six cylinder, liquid cooled, diesel engine providing 231 horsepower, 172 kW.

Pump:
Waterous CXVT centrifugal fire pump. CXVT utilizes a high−tensile gray iron body, bronze impeller, replaceable wear rings and maintenance−free mechanical seals.

- The 1250-200-DC develops a minimum of 400 GPM of water at 125 psig (1500 l/min @ 8.6 bar) and 200 cfm at 125 psig (5.6 m^3/min @ 8.6 bar) simultaneously. Capable of developing the following ratings:
- 1250 GPM @ 150 psig / 4750 l/min @ 10.3 bar
- 1250 GPM @ 165 psig / 4750 l/min @ 11.4 bar
- 875 GPM @ 200 psig / 3312 l/min @ 13.8 bar
- 625 GPM @ 250 psig / 2365 l/min @ 17.2 bar

Industry-Leading Sales and Support

When you purchase Waterous equipment, not only do you get quality products, you get quality service. Our expert service technicians are the best in the business and they are always happy to answer any service questions you might have.

Sales / Applications Assistance
Phone: 651-450-5234 (Press 3)
pumpsales@waterousco.com

Service Assistance
Phone: 651-450-5200
Fax: 800-488-1228
service@waterousco.com

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Specifications subject to change without notice.

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SPECIFICATIONS – INTEGRATED CROSSMOUNTS: 500. 750. 1000 AND 1250-200-DC

All Models:

Pressure Relief:

An optional pressure relief system is available to comply with NFPA 1906 standards.

Priming System (Optional):

Waterous VPOS Oil-free primer. Rotating parts in the VPOS are made of corrosion-resistant, anodized aluminum, stainless steel and composite materials.

Fuel System:

The engine draws fuel from the chassis fuel tank.

Lubrication:

Pressure lubrication system with oil pressure warning light and spin-on oil filter. An extension hose is installed on the engine oil drain with a valve located at the oil pan and a plug installed in the end of the hose to facilitate oil changes.

Electrical:

12-volt electric with 55A alternator, electric ignition and start switch.

Exhaust:

Heavy-duty exhaust muffler

Air Compressor Transmission

“Poly Chain” drive and 8mm pitch sprockets.

Panel Mounted Instruments:

The following items and controls are provided for installation on the pump operator's panel:

- Pump engine tachometer
- Pump engine hourmeter
- Pump engine oil pressure gauge w/light and alarm
- Pump engine coolant temp. gauge w/light and alarm
- Compressor temp. gauge w/warning light and alarm
- Pump engine voltmeter
- Engine ignition/start switch
- AutoSync pressure balance controls and instruction plate

Air Compressor:

The air compressor is an oil-flooded, rotary screw type, sized to supply a minimum of 200 scfm (5.6 m^3/min) of usable air.

Pneumatic Modulating Inlet Valve:

The air compressor is controlled by the pneumatic modulation inlet valve mounted on the air end. The pneumatic modulation inlet valve controls air delivery while maintaining constant pressure.

Auto Sync Balancing System:

Automatically maintains the air pressure within +/- 5% of the water pump pressure throughout the pressure range. The Auto Sync Balancing System is located on the operator's panel and allows for the following modes:

- Automatic - Air pressure matched to water pressure
- Fixed - Air pressure defaults to manual setting on compressor mounted control valve.
- Unload - Air pressure reduced to 40 psig (2.8 bar) for standby operations
- Run - Air compressor in run operation. Air pressure determined by Auto or Fixed setting.

Air Compressor Oil System:

A spin-on, full-flow oil filter unit and a thermostatic valve are all part of the system to control oil flow to the cooler. All lines are routed in braided hose conforming to SAE 100R1 standards for hydraulic hose.

Modular Air/Oil Separator:

Replacement elements for the oil filter and separator are available.

Air Compressor Cooling System:

The air compressor is cooled by the unit's water pump, utilizing a copper and brass shell and tube heat exchanger. When the fire pump is operating, water flows through the heat exchanger. The system maintains recommended operating temperatures throughout the full operational range in ambient temperatures up to 115°F (46.1° C).

Foam Systems (Optional):

- Aquis™ Foam Proportioner with operator interface terminal (OIT), pump module with electric motor/motor driver and microcontroller unit, foam concentrate strainer, shielded electrical cables for connection of all electronic components, foam inject check valve, WYE Strainer and flowmeter and tee.

On-Site Delivery Instruction (Optional):

Contact factory for pricing.