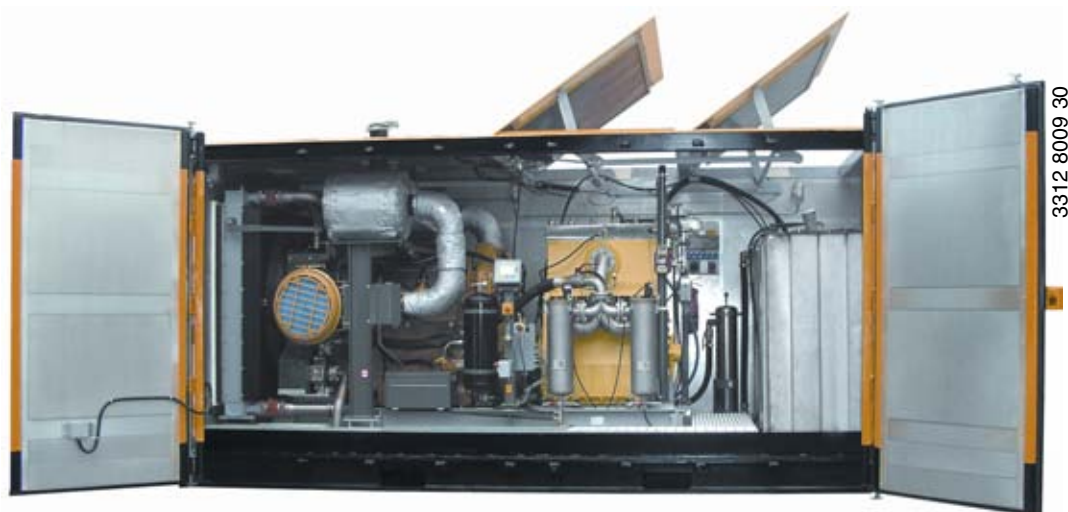


Powerpack



**Conjet Powerpacks
up 750 kW or 1000 hp**



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APPLIED WATERJET TECHNOLOGY

Conjet Powerpacks designed for contractors

The special requirements on a Powerpack for construction sites are met by the well proven installation of the high pressure pump and engine in a purpose built 20 ft ISO container. The standard range of Conjet Powerpacks are supplied with ratings of 250 - 750 kW, flows of 96 - 342 l/min and pressures of 1000 - 1600 bar to suit the application.

The container is silenced to meet all current noise emission standards. Even the exhaust muffler is mounted inside the container. A two stage, stainless steel water filtration system, with a stainless steel water tank, belt driven booster pump, is installed for maximum reliability of the unit. An over spill tray with grating floor prevents any spillage oil or fuel to pollute the work site. The use of the most reliable components guarantees high utilization.

Robot Interface - Cable or Wireless

For highest efficiency and safety the Conjet Powerpack operation is controlled from the Conjet Robot or Jetframe through a control cable or Conjet patent protected wireless Bluetooth® interface.



The open roof hatches, which are hydraulically controlled, directs the cooling air through the engine room. The entire side can be opened for easy access when servicing and maintaining the pump.



A Conjet Powerpack 345-360kW supplying a Conjet Robot 364MPA removing chloride damaged concrete from a quay. The trailer with water tank supplies the Powerpack with clean water for the hydrodemolition process.

Highest emission standards

The Caterpillar engine is equipped with an electronic control module for optimum working conditions and reduced fuel consumption. The exhaust emission fulfils the U.S. EPA and EU requirements.

Vertical mounted Pump

The high pressure, fixed displacement pump has three or five pistons with the cylinders vertical for even wear and compact design. The crankshaft is supported by heavy-duty roller bearings.

Different ratings

The wet end of the pump can easily be rebuilt to achieve other pressure and flow rates by simply changing pistons and casings.



Patented Bluetooth wireless Interface kit for communication between Powerpack and Robot or CCU



Water filter before tank in stainless steel.



Settling water tank in stainless steel with butterfly valve.



Water filter before pump in stainless steel.



A collection tray with drain plug prevents spillage oil and fuel to pollute the work site.

Made for professional hy



3312 8009 35

Working space separated from the engine room that can be fitted with an optional workbench with drawers and vice. The pump control system ES-2 is accessible enabling the operator to monitor the pump without entering the machine room.

Pressurised lubrication system

All moving parts in the high pressure pump are subjected to force-feed lubrication. The pressurised circulating oil lubrication system protects the high pressure pump even under extreme operating conditions. An oil filter, positioned in the pressure line, keeps the oil supply clean, minimizing wear on components and lengthening service intervals. An integrated oil cooler controls crankshaft temperature.

System status monitoring

Monitoring water and oil pressures prevents possible pump damage from cavitation or lack of oil. Water temperature, filter differential pressure, maximum operating pressure and diesel engine condition are also monitored. If a fault occurs the unit shuts down immediately indicating the cause.

Electronic speed regulation

When the required pressure is entered into the control computer the engine speed will automatically adjust to achieve it. When the pump switches to by-pass the engine speed automatically drops to idling. This cuts down wear and saves on fuel costs.

Customized according to customer request

The Powerpacks are frequently equipped to suit customer specifications. Examples of extra equipment are work-benches, lightning and heaters.



Electrical distribution centre (EU).

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Inlet and outlet for hoses and cables.

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The recommended optional lifting device for servicing the pump head.

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Belt driven booster pump. Electrical booster pump is available as option.

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Conjet Powerpack design more than a pump in a container

• Safety

- Designed to improve operator and third party safety.
- Remotely controlled from Robot or CCU.
- Integrated emergency stop circuits.
- Pump/engine separated from control room.
- Separate room for storage of parts, hoses, etc.
- Theft and vandalism proof design.

• Environmental

- Exhaust emission meets U.S. EPA and EU regulations.
- Silenced to meet noise emission regulations.
- Insulated to meet different climate conditions.
- Over spill tray with grating floor to collect, oil, cooling water, or fuel.

• Designed to operate 24 hrs/day 7 days/ week.

- High Pressure Pump with proven reliability.
- Engine from Caterpillar with proven reliability.
- Electronic control system for pump and engine.
- Fuel tank dimensioned for one shift operation.
- Cooling airflow hydraulically controlled hatches.
- Stainless steel water tank and filter housing.

• Powerpack design features

- Dimensions as a standard 20 ft ISO container.
- Rigid design - Certified for sea transport.
- Easy to transport and store.
- Quick access and set up.
- Side doors for easy maintenance access.

• Customization

- Pressure and flow to meet customers need.
- Prepared for customers' logotypes and signs.
- Electrical booster pump.
- Working bench with drawers and vice.
- Lifting device for pump head.
- Electrical installations.



A Conjet Powerpack 540-750kW on a trailer together with a customized service container.

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Technical Data

Pump specifications *

Type Model **	Pistons No.	Power kW (HP)	Flow l/min (gal/min)	Pressure bar (P.S.I.)	Reaction Force (N)	Weight kg (lbs)
530-250kW	5	250 (330)	116 (31) 139 (37)	1 150 (16 700) 960 (14 000)	920 1 000	5 000 (11 000)
525-250kW	5	250 (330)	96 (25) 80 (21)	1 350 (19 600) 1 650 (24 000)	820 760	5 000 (11 000)
345-360kW	3	360 (480)	163 (43)	1 150 (16 000)	1 290	10 000 (22 000)
340-360kW	3	360 (480)	128 (34)	1 550 (22 500)	1 120	10 000 (22 000)
350-480kW	3	480 (640)	256 (68)	1 000 (14 500)	1 890	11 000 (22 000)
345-480kW	3	480 (640)	205 (54)	1 200 (16 700)	1 660	11 000 (22 000)
340-480kW	3	480 (640)	160 (42)	1 550 (22 500)	1 400	11 000 (22 000)
545-750kW	5	750 (1 000)	342 (90)	1 150 (16 700)	2 700	13 000 (22 000)
540-750kW	5	750 (1 000)	268 (71)	1 450 (21 100)	2 340	13 000 (22 000)

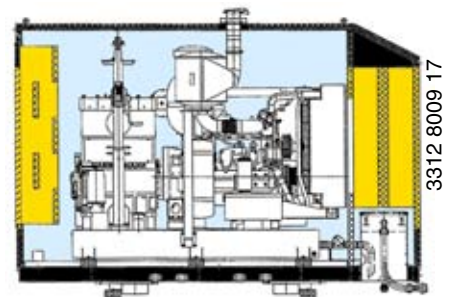
* Other specifications are available on request.

** Conjet Powerpacks are also available as plain skid units.

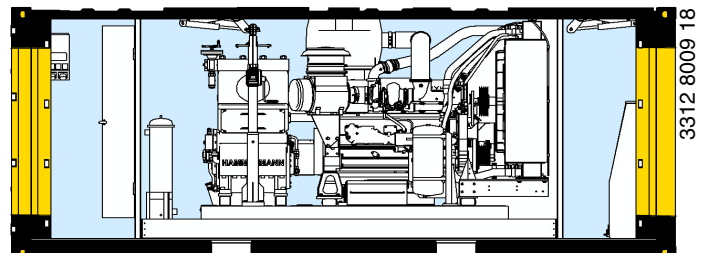
Sound Level 70-77dB
CE, LVD, EMC certified.

Stationary Sound Insulated 250kW

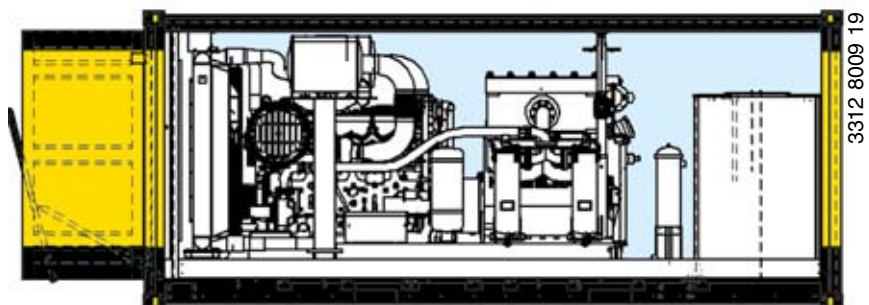
Length 3 850 mm (12 ft 8 in)
Width 1 830 mm (6 ft)
Height 2 700 mm (8 ft 10 in)



Principal layout of compact 250 kW Powerpacks with sound suppressed cover.



Principal layout of Conjet Powerpacks available for 250, 360 and 480 kW units.



Principal layout of Conjet Powerpacks available for 750 kW units.

Sound Insulated Container 250/360/480/750kW

Length 6 150 mm (20 ft)
Width 2 450 mm (8 ft)
Height 2 600 mm (8 ft 6 in)

Pictures are illustrative only and do not necessarily show the configuration of the products on the market at the given point in time. These products must be used in conformity with safe practice and applicable statutes, regulations, codes and ordinances. Subject to change without prior notice.

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