

Diesel driven high pressure pump units 12 series

- Types
- Aquajet® 12 up to 43,500 psig
 - S 1600 - 12 up to 23,200 psig
 - S 1100 - 12 up to 16,000 psig



The high pressure pump units are built to be reliable and user friendly. The diesel engine, from a manufacturer with a world wide service network, is directly connected to the high pressure pump by a highly flexible coupling. This assembly is mounted on a torsion free sub frame with anti vibration mountings as are all ancillary components such as boost pump, batteries and header tank.

The units are available in the following variants:

- Basic unit: stationary without sound damping cover
- Stationary with sound damping cover
- Mobile with sound damping cover
- Road going on tandem axle trailer

Special features

- Compact design
- High power to weight ratio
- Extremely mobile
- Super sound damping on request
- Header tank with bypass and cooling water return lines
- Easy access to connections
- System safeguards
- Stainless steel boost pump
- Electronic r.p.m. regulator
- Control and monitoring by ES2 computer
- Units with sound damping mounted on a fully closed base with drip pan



Road going 12 series units for use on public roads are mounted on a tandem axle trailer with overrun brakes. They are designed for a maximum speed of 87 m/hr. and are in conformity with the German TÜV regulations. High adjustable ring ring or ball type couplings are available on request.



Containerised with sound damping, e.g. a 10 ft. container for one unit or a 20 ft. for multiple units or unit and workshop combinations to customer specification.

HAMMELMANN®

12 series high pressure pump units

Road going design

- ① The high pressure pump unit is outfitted with a sound damping cover. The wide opening angle of the cover provides easy maintenance access
- ② Single lifting point is standard fitting
- ③ Coated aluminium fully closed base with internal drip pan and internally mounted fuel tank
- ④ Two stable gas filled supports with end position damping reduce the manual strength required to lift/lower the cover to a minimum
- ⑤ ES2 control with choice of operational languages
- ⑥ Optional: integral particle filter
- ⑦ Fixed tow bar ball coupling height: 17.5 inch
- ⑧ Optional: height adjustable tow bar
- ⑨ Hot galvanised chassis



The following data table shows just a few examples from the wide range of performances combinations.

| Unit Type | Pump Type | Op. pressure [psig] | Flow rate [GPM] | Power rating [HP] | Approx. dimensions ¹⁾ and Weight ²⁾ | | | | | |
|-------------|-----------|---------------------|-----------------|-------------------|---|-----|------------------------|-----|------------------------|-----|
| | | | | | stationary | | 10' -Container | | road going | |
| | | | | | LxWxH[m] | [t] | LxWxH[m] | [t] | LxWxH[m] | [t] |
| AquaJet®12 | HDP 124 | 43500 | 4.5 | 120 | 111" x 74" x 68" | 1,9 | 118" x 96" x 96" | 3,9 | 171" x 74" x 79" | 2,3 |
| | HDP 124 | 37700* | 5.3 | | | | | | | |
| | HDP 124 | 35500* | 6.3 | | | | | | | |
| HDP 124 | 35500* | 6.3 | | | | | | | | |
| HDP 124 | 30500* | 7.1 | | | | | | | | |
| S 1600 - 12 | HDP 123 | 23200 | 10.6 | | | | | | | |
| S 1100 - 12 | HDP 122 | 16000 | 15.1 | | | | | | | |
| | HDP 122 | 11900 | 20.6 | | | | | | | |

* Performance selected by touch of a keypad 1) Overall dimensions 2) Net weight with full fuel & oil load

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