

## Ultrabar 30 ES-B UHP Water Jetting Unit



Ultrabar ES-B skid mounted, electric motor driven, Ultra High Pressure water jetting unit. This versatile unit is available with a range of performances from 10 to 30lpm at 2800bar (2.6 to 8.0gpm at 40,000psi).

Suitable for a range of applications including surface preparation, descaling, heat exchanger / pipe cleaning, vessel cleaning, subsea cleaning and more.

### Features

- Ultrabar 30 pump with pressure lubrication & oil cooling
- Modular fluid head assembly allows easy maintenance & troubleshooting on individual cylinders
- Solid carbide plungers & integral gearbox
- Analogue pressure gauge for display of discharge pressure
- Burst disc assembly
- IE3/IE4, foot mount, 4 pole electric motor. IP55, Class F insulation, Class B rise, TEFC. Fitted with PTC thermistors. Suitable for 400v/3ph/50Hz & 480v/3ph/60Hz.
- Pump switches for low inlet pressure & high oil temperature
- Polypropylene water tank, boost pump & dual filtration
- Star delta starter control panel c/w interlocked isolator, start/stop buttons, hours counter, shutdown circuit for pump switches & E-stop. PILZ safety relay & terminals for a remote E-stop. Mounted in a coated sheet steel enclosure with a IP65 rating.
- Manual pressure adjusting valve
- Fabrications are grit blasted & powder coated with a zinc rich primer & durable topcoat suitable for use in corrosive environments.



Crashframe option

110kW (150hp) Motor	
50Hz	60Hz
<b>30lpm at 2000bar</b> (8.0gpm at 29,000psi)	<b>29lpm at 2000bar</b> (7.6gpm at 29,000psi)
<b>20lpm at 2800bar</b> (5.4gpm at 40,000psi)	<b>19lpm at 2800bar</b> (5.1gpm at 40,000psi)

132kW (175hp) Motor	
50Hz	60Hz
<b>37lpm at 2000bar</b> (9.8gpm at 29,000psi)	<b>36lpm at 2000bar</b> (9.6gpm at 29,000psi)
<b>25lpm at 2800bar</b> (6.6gpm at 40,000psi)	<b>24lpm at 2800bar</b> (6.4gpm at 40,000psi)

160kW (215hp) Motor	
50Hz	60Hz
<b>44lpm at 2000bar</b> (11.7gpm at 29,000psi)	<b>44lpm at 2000bar</b> (11.7gpm at 29,000psi)
<b>30lpm at 2800bar</b> (7.9gpm at 40,000psi)	<b>30lpm at 2800bar</b> (7.9gpm at 40,000psi)

Refer to the Ultrabar 30 pump data sheet for alternative performances  
Flowrates are theoretical and will reduce by 10-12% at full pressure

### Build Options

- Pneumatic pressure adjusting/dump valve
- Air compressor
- Site trailer/trolley
- Crashframe
- Certified crashframe
- Mounted in a 10' container (standard or DNV)
- ATEX Zone 1 or 2 electric motors & starter panels
- Full range of accessories for all applications

#### Dimensions (approx.) (110kW)

2.2m long x 1.3m wide x 1.7m high  
(87" long x 51" wide x 67" high)

#### Weight (approx.) (110kW)

2,000kg  
(4,400lb)



Site trailer option

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Certification number 4257



Manufactured in  
the UK since 1970

In line with the company's policy of research and development, alterations in design, dimensions and appearance are incorporated from time to time in order to ensure important developments are included at the earliest opportunity. The Company, therefore, reserves the right to alter design, dimensions etc without notice.