

High pressure jet-grouting pump HD 115/ 1-C

Application : jet-grouting, soil-mix, flushing help for drill-, pile- and vibrating works



Technical data:

Drive		: diesel-hydraulic
Drive power		: 440 kW
Connections	- delivery pump suction side	: 2 x quick couplings DIA. 75 (3")
	- delivery pump pressure side	:
Dimensions (L, W, H)		: 5000 x 2350 x 2550 (mm)
Weight		: approx. 9500 kg (diesel tank empty)

Performance

	Permanent	top
delivery pump pressure:	max. 500 bar (max. 7110 psi)	max. 520 bar (max. 7395 psi)
volume:	max. 320 l/min (max. 85 US gal/min)	max. 320 l/min (max. 85 US gal/min)

¹⁾ infinitely variable
1 bar = 1×10^5 N/m²

HD 115/ 1-C Assembly groups/ machine technology

Frame:

- Frame in container-form made of steel sheet
- Completely sound absorbing
- Four lifting eyes
- Interior paint RAL 7035 (light-grey)
- Exterior paint RAL 3000 (red)

Operation elements:

- Rotary button for adjustment of max. pressure
- Rotary button for adjustment of delivery speed (litres/min)
- ON/ OFF switch for the delivery pump
- ON/OFF switch for the diesel motor
- Rotary button for the diesel motor rotary speed adjustment
- Presentation of the plunger position on display

Diesel drive:

- 6-cylinder diesel motor, liquid cooling, sound-absorbing
- Fuel tank capacity: approx. 800 litres (105.8 US gal.)
- Starter-battery 2 x 12 V, 200 Ah
- Starter voltage 24 V

Delivery pump:

- Upright double-plunger pump, \varnothing 115 mm (DIA. 4.5")
- Self-acting pump valves
- Pressure release valve manually operated (option SC16)
- Semi-automatic seal change function

Delivery pressure measurement:

- Electronic pressure transmitter
with analogous indication 0-600 bar (0-8532 psi)
- Cable connection to registration unit

Hydraulics:

- Oil tank capacity: approx. 300 litres (79 US gal)
- Electrical oil filling pump with filter and water separator
- Oil level- and temperature indication
- Control for oil filter soiling
- Air- and oil cooler

Special equipment:

(SC16) Pressure release valve at pump outlet

(ES1/220) Additional electric equipment (220 V)

- electric connection 220 V / 50 Hz
- interior lighting 220 V
- battery charger
- switch cabinet heating
- pump room heating 0.5 kW

(PGH2) Automatic plunger lubrication with grease

Optional accessories:

(.....) Suction hose system

DIA. 75 (3"), length = 8 m (26ft.)

(.....) Remote control ON/OFF

(.....) Remote control with control unit Watch-A1

(.....) Special tools

(.....) Spare parts package (standard)