Description

DYNAJET UHP 220 2200/36 T mobile w. hoods

Welcome to the premium class of DYNAJET! The DYNAJET UHP 220 2200 ultrahigh-pressure cleaner unit, offering a working pressure of up to 2200 bar and a flow rate of 36l/min, ranks among the most powerful of all the DYNAJET devices and convinces with the highest level of functionality, efficiency and economy. This UHP unit not only fulfils the latest safety and emmisions standards according to Tier 4f but, with its numerous innovations, makes water-jetting more ergonomic, more efficient and more sustainable.

Advantages

Structure:

- Twin-axle chassis for safe driving
- Four lifting eyes for increased flexibility
- 4-hood Targa system for safe access to the operating area and motor area
- Lockable hoods for additional safety
- Closed base tray/leak tray to protect against dirt
- Storage area to keep things tidy
- Suction and pressure connections can also be used when the hood is closed

Drive / Control:

- Powerful VOLVO industrial diesel motor, specifically designed for the Dynajet UHP 220, for reliable operation
- Complies with the latest EU exhaust gas standard TIER4 final
- Integrated spark arrester
- Large fuel tank for long, autarkic operation
- Sound insulation to reduce noise levels
- Integrated compressed air system
- Dynajet Easy Control II

- Graphical color display
- Rapid familiarisation
- Simple selection of operating mode enables free pre-selection of pressure or speed
- Motor monitor
- Hour counter for motor and pump
- 24V system

Water supply:

- Pre-filter to protect against fuel contamination
- Water storage tank to compensate for supply fluctuations
- Fine filter in stainless steel housing for maximum engine protection
- High pressure pump

- Low-speed pump to protect against overheating and for a long service life
- Optimised construction for low fuel consumption and minimized vibrations
- Carbide plungers for the highest stability and maximum service life
- Simple valve replacement
- Power-end cooling system with noise-minimised tooth flanks
- Pressure oil lubrication

- Pneumatic unloader valve for soft switching
- Full lift safety valve: opens if there is overpressure and thus protects operator, device and accessories; work can continue right away once the fault has been eliminated and the device restarted
- Preservation and frost-protection system for optimum protection

Flat 11, Apadana Complex, Ayaltollah Kashani BLVD, Tehran, Iran
Postal Code: 1483874453 Tel/Fax: 021-44137379 - 44111245
Email: Info@Petromechanic.com
Website: www.Petromechanic.ir

Overview

Preservation and frost-protection system
with integrated storage container to facilitate machine protection; for preservation and the protection from frost

Hood locks
robust, adjustable and lockable

Storage pack
for safe storage of tools, spray lances, accessories, etc.

Water pre-filter
robust stainless steel insert; washable, re-usable

Water and pressure connections/ control line
can also be used when the hood is closed

Solid rubber rear-protection elements
protection against damage to the frame

Low-speed ultra high-pressure pump
with water oil-cooler that prevents overheating and extends service life

Ultra high-pressure pump
with maximum efficiency; saves fuel and reduces pulsations; simple maintenance

Carbide plungers
in demanding conditions for maximum service life

Water fine-filter
in a corrosion-free stainless steel casing with automatic ventilation

Bypass valve (air operated)

Powerful VOLVO 5.1 l industrial diesel motor
low speed for robust operation, complying to the latest emissions standards

Colour display panel
informative and clear, easy to operate with intuitive icons, dust and waterproof

200 l fuel tank
for 8 hours on load running

Connection for external emergency shutdown switch

Hood monitor
prevents machine from running if hood is open

Full lift safety valve
to safely control over-pressure situations

UHP 220

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Technical data

Base data	
System	Cold-water ultrahigh-pressure units
Type	Trailer
Pressure	
Pressure class	2,200 bar (31,908 PSI)
Pressure variable	Yes
Minimal pressure	900 bar (13,053 PSI)
Hydraulics	
Minimum flow rate	14 l/min (3.71 USgal/min)
Maximum flow rate	36 l/min (9.51 USgal/min)
Pump revolution speed	Max. 500 rpm
Hydraulic power	150 kW (201 Hp)
Pump	Low-speed ultrahigh-pressure pump with 3 carbide plungers, integrated reduction gear and power-end cooling system
Volume water tank	160 l (42.28 USgal)
Threaded connection	
Input port	GEKA
Output port	9/16"-18 UNF-LH IT
Drive	
Drive type	Diesel motor
Motor power	160 kW (220 hp)
Motor speed	Max. 2100 rpm
Motor type	VOLVO 4-cylinder diesel motor, water-cooled, engine capacity 5200 ccm
Power transmission from motor to pump	Gearbox
Volume fuel tank	Approx. 200 l (52.83 USgal)
Others	
Medium	Clear water, up to 40 °C (104 °F), min. 1.8 bar (26 PSI) to max. 6 bar (90 PSI) supply pressure
Chassis	2-axle trailer
Weight in kg	2,750.0
Dimensions (L/W/H)	467 x 197 x 218 cm
Dimensions open (L/W/H)	Missing: 487-x-310-x-254
Article number	1610030W

Scope of delivery (Standard version and standard accessories)

Standard scope of supply:

4-hood targa concept, noise insulation cover, protection/ leakage tray, robust and durable VOLVO four-cylinder diesel engine, power end cooling system, water temperature monitoring, simple to control via the display, total control with pressure-value presetting or option to choose manual engine speed control, three-plunger high-pressure pump with carbide plungers, storage tank with booster pump incl. filter and suction-pressure monitoring system, frost-protections system with storage tank, rotable vice, operating manual