

DYNAJET 2800t

1620040

Welcome to the premium class of DYNAJET! The DYNAJET 2800t ultrahigh-pressure cleaner unit, offering a working pressure of up to 2800 bar and a flow rate of 33 l/min, ranks among the most powerful of all the DYNAJET devices and convinces with the highest level of functionality, efficiency and economy. With its numerous innovations, this UHP unit makes water-jetting more ergonomic, more efficient and more sustainable. Its high power makes this ultrahigh-pressure unit ideal for paint removal, rust removal and concrete removal.



Structure

- Twin-axle chassis for safe driving
- Self-supporting and resilient frame design to optimise weight
- Electrophoretic dip-painted frame for a high level of protection against corrosion and maximum surface quality
- Shock-resistant lockable plastic hoods on the engine and operator side
- Industrial gas springs, robust hinges and long-life hood technology for ease of operation
- Targa system with 2 hoods + 2 doors for safe access to the operating area and motor area
- Closed base tray/leak tray to protect against dirt
- Suction and pressure connections can also be used when the hood is closed
- 4-wheel design with locking brake for secure positioning and maximum stability

Drive

- Low idling engine for minimized noise and fuel consumption
- Latest exhaust gas standard TIER V corresponding industrial motor with AddBlue system and diesel particle filter for a long service life and low running costs
- Large graphic 5 inch colour display easy to read even in sunlight, intuitive operation, good operability with gloves
- Motor monitoring for long service life
- Operating hours counter for motor and pump for optimal recalculation
- Easy mode selection allows free pressure or speed selection for optimum working results with minimum diesel consumption, noise level and wear
- Quick overview of the tank levels
- Simplified troubleshooting
- Safe control architecture and programming of all safety-relevant functions
- Integrated spark arrester
- Easy independent regeneration of particle filter
- Integrated compressed air system
- Pressure-dependent variable water output for more flow at lower working pressure

Water supply

- Prefilter to protect against contamination
- Water storage tank to compensate for supply fluctuations
- Fine filter in stainless steel housing for maximum engine protection
- Optimised construction for low fuel consumption and minimized vibrations
- Carbide plungers for the highest stability and maximum service life
- Power-end cooling system with noise-minimised tooth flanks
- Pressure oil lubrication
- Pneumatic unloader valve for soft switching with integrated pressure control valve
- URACA High pressure pump: Low-speed pump to protect against overheating
- 28 l/min at ≤ 2800 bar
- 30 l/min at ≤ 2500 bar
- 33 l/min at ≤ 2000 bar

Base data

System Cold-water ultrahigh-pressure units

Type UHP

Pressure

Pressure class 3,000 bar (43,511 PSI)

Pressure variable Yes

Minimal pressure 800 bar (11,600 PSI)

Hydraulics

Minimum flow rate 15 l/min (3.96 USgal/min)

Maximum flow rate 33 l/min (8.72 USgal/min)

Pump revolution speed Max. 533 rpm

Hydraulic power 145 kW (200 Hp)

Pump Low-speed URACA ultrahigh-pressure pump with 3 carbide plungers, integrated reduction gear and power-end cooling system

Volume water tank 100 l (26.41 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 power 5200 ccm

Power transmission from motor to pump Direct

Volume fuel tank Approx. 280 l (73.97 USgal)

Others

Chassis 2-axle trailer

Weight in kg	3,145.0
Dimensions (L/W/H)	465 x 207 x 224 cm
Medium	Clear water, up to 40 °C (104 °F), min. 1.8 bar (26 PSI) to max. 6 bar (90 PSI) supply pressure
Water supply	Sufficient inlet flow and pressure has to be provided to support the maximum flow rate of the high pressure pump

Scope of delivery

Optional equipment at extra cost

External emergency stop button cable 50m
kit chalywn valve automatic for UHP 220
Remote control cpl. Blue Performance + 2800
cable remote control for roboter use 24VDC

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