

DYNAJET 500th HELI Blue Performance

1491020

In addition to its user-friendliness, the special features of the DYNAJET 500th mobile, all-purpose cold- and hot-water high-pressure cleaner, offering a working pressure of up to 500 bar (7,250 PSI), are above all its light weight, compact dimensions and high level of performance and safety.



Structure

- Single-axle chassis for easy manoeuvrability
- 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
- Targa design, separating the engine, pump and burner unit from the operating unit for enormous advantages in ergonomics, overall machine safety and noise reduction
- 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

Drive

- Low idling engine for minimized noise and fuel consumption
- Latest exhaust gas standard TIER V corresponding industrial motor with 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
- Temperature preselection and monitoring
- 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
- Hot water: Patented burner control without solenoid valves for safe and efficient, as well as instant-stop, operation, weed control mode with high-precision temperature control, pre-heating of water by motor cooling for high energy efficiency
- Easy independent regeneration of particle filter
- Hatz engine approved for HVO100

Water supply

- Washable stainless steel water-filter insert for maximum service life of pump and Unloader

- Always ready for operation, even in winter, due to frost protection system
- Water-tank low-level monitor to protect the high-pressure pump from running dry
- Stepless pressure adjustment for optimum, application-orientated regulation of pressure and flow rate, as well as minimized noise levels, diesel consumption and wear
- Hose-pressure drop-down system in bypass operation for maximum safety and comfort
- 25 m supply hose on resilient, permanently installed drum for fast and easy refilling of the water tank
- 50 m high-pressure hose on resilient, permanently installed drum for short set-up time
- Large, integrated water tank for independent operation, even where no external water supply is available, and as an additional “buffer” when the water supply is weak
- Booster pump for an optimum supply to the high-pressure pump to minimise wear and costs
- Low-speed, easy-maintenance 3-plunger pump for maximum service life and low wear costs

Base data

System Hot- and cold-water high-pressure cleaners

Type Trailer

Pressure

Pressure class 500 bar (7,250 PSI)

Pressure variable Yes

Minimal pressure 150 bar (2,175 PSI)

Hydraulics

Minimum flow rate 14 l/min (3.71 USgal/min)

Maximum flow rate 30 l/min (7.94 USgal/min)

Pump revolution speed Max. 1450 rpm

Hydraulic power 28 kW (38 Hp)

Pump Ceramic triplex plunger

Volume water tank 1,000 l (264.55 USgal)

Temperature Max. 95 °C

Threaded connection

Input port GEKA

Output port M24x1.5 IT

Drive

Drive type Diesel motor

Motor power 42 kW (57 Hp)

Motor speed Max. 2350 rpm

Motor type Hatz 3-cylinder diesel motor (water-cooled) HVO100 authorized

Power transmission from motor to pump Belts

Fuel consumption 7.5 l/h (2 USgal/h) (at full load)

Volume fuel tank Approx. 70 l (18.50 USgal)

Others

Chassis	Single-axle trailer with brake
Weight in kg	1,590.0
Dimensions (L/W/H)	371 x 207 x 208 cm
Dimensions open (L/W/H)	411 x 205 x 264 cm
Medium	Clear water, up to 40 °C (104 °F), min. 1.8 bar (26 PSI) to max. 6 bar (90 PSI) supply pressure
Heating power oil burner/Dynabox	Dual oil burner with 2x max. 91 kW (125 Hp)
Consumption of oil burner (hot water devices only)	Approx. 14 l/h
Volume heating oil tank	105 l (27.73 USgal)

Scope of delivery

Standard equipment

lifting eye, operating-hours meter, powerful diesel engine, 25 m supply hose mounted on a hose drum, 50 m high-pressure hose (DN 10), 1,000 l (264.55 US gal) water tank with water level gauge and monitoring, hot water system with 2 high performance diesel burners, automatic pressure regulator with hose pressure drop down-system, safety valve, operating manual

Standard accessories

High-pressure cleaning gun with extension pipe (total length approx. 800 mm), nozzle carrier and 15° flat-jet nozzle

Optional equipment at extra cost

Accessories-kit for operators side for 500th/sh

Connection socket ext. Emergency stop

Installation kit chemical injector 500th 16S - 12S - PN500

Remote control cpl. Blue Performance + 2800

Spark arrester cpl. f. DYNAJET 500th BP

Kit: Air inlet shut-off valve

Battery switch cpl. f. 500/800th BP

External emergency stop on cable drum 50m

Water softening system 500th BP inkl. 518729 Aluminium Arbeitsfläche mit Zubehör

Kit calcification protection system 500th



Water Jetting Systems up to 3,000 bar

Mar 06, 2024

© Dynajet GmbH