

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	1,525.0
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 DYNAJET 500th/sh
Connection socket ext. Emergency stop
Installation kit chemical injector 16S - 12S - PN500 DYNAJET 500th
Remote control cpl. DYNAJET 500th BP + 2800t
Spark arrester cpl. DYNAJET 500th BP
Air inlet shut-off valve DYNAJET 500th BP
Battery switch cpl. DYNAJET 500th BP, 800th
External emergency stop on cable drum 50m
Water softening system DYNAJET 500th BP
Kit calcification protection system DYNAJET 500th

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