

DYNAJET 500sh HELI Blue Performance

1491030

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



Structure

- 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

- Large graphic 5 inch colour display. Easy to read even in sunlight, Intuitive operation, good operability with gloves, easy mode selection allows free pressure or speed selection for optimum working results with minimum diesel consumption, noise level and wear, temperature preselection and monitoring, motor monitoring for long service life, operating hours counter for motor and pump for optimal recalculation, quick overview of the tank levels, simplified troubleshooting, safe control architecture and programming of all safety-relevant functions
- 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

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 | Skid/Stationary |

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

| | |
|---|--|
| Dimensions (L/W/H) | 220 x 147 x 177 cm |
| Dimensions open (L/W/H) | 307 x 147 x 246 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 |
| Heating power oil burner/ Dynabox | Dual oil burner with 2x max. 91 kW (125 Hp) |
| Consumption of oil burner (hot water devices only) | 7 l/h (at 60% workload) |
| Heating power | 91 kW (122 Hp) |
| Volume heating oil tank | 105 l (27.73 USgal) |

Scope of delivery

Standard equipment

lifting eye, operating-hours meter, powerful diesel engine, hand-throttle control, 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

Connection socket ext. Emergency stop
Accessories-kit for operators side DYNAJET 500th/sh
Installation kit chemical injector 16S - 12S - PN500 DYNAJET 500th
Remote control cpl. DYNAJET 500th BP + 2800t
Spark arrester cpl. DYNAJET 500th BP
Battery switch cpl. DYNAJET 500th BP, 800th
Air inlet shut-off valve DYNAJET 500th BP

External emergency stop on cable drum 50m
Water softening system DYNAJET 500th BP
Kit calcification protection system DYNAJET 500th

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