

Lifa Hydmaster with camera

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The Lifa hydmaster is a versatile brush cleaning machine with hydraulic drive for demanding industrial and commercial cleaning applications that need exceptional force. Hydmaster's special features are the built-in camera and the hydraulic propulsion power produced by normal single phase electricity.

- The strongest cleaning machine on the market by far
- 40-metre (130 ft) range cleaning axis/shaft
- For large ducts ranging from 20-120 cm (8-52 inches)
- Torque 10 Nm (89 lb in)
- Adjustable brush rotation speed 0-800 rpm
- Pneumatic foot pedal for operating and changing direction of brush rotation
- Wheel mounted for easy mobility
- Operates on single-phase current (normal plug-in electricity)

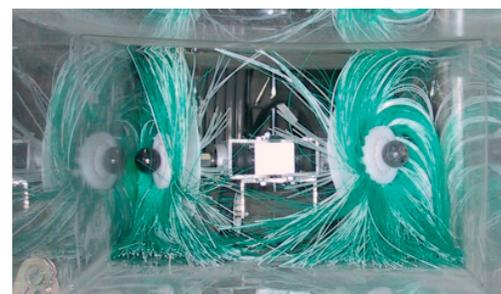
The force that rotates the brush is produced hydraulically along the flexible shaft. The built-in hydraulic pump provides an alternative to large, expensive, noisy and non-user friendly pneumatic cleaning machines using compressors. It operates on single-phase voltage (110 or 230 V) and is distinctly quieter than air-jetting etc. machines using compressed air. Therefore it can be used anywhere easily and without extensive stops/changes in the targets normal daily routines.

By Hydmaster's model with a video camera the effects and results of the cleaning can be inspected during cleaning on a video monitor. The monitor also gives a possibility to see any potential obstacles, as well as the silencers/sound attenuators and the automatic and manual air volume and other control apparatus of the ventilation system. Seeing enables you to avoid unexpected problems and can save you from a lot of troublesome extra repair work.

The Lifa Hydmaster is designed for both rectangular and round ventilation ducts ranging from 200-1200mm (8-52 inches). The rotating speed is steplessly adjustable in the range of 0-800 r/min. Lifa Hydmaster's adjustable torque (i.e. brushing force), when set to maximum, is more powerful than that of any other cleaning machine. Therefore the machine can rotate its oversized brush also in narrowing and/or smaller size ducts and you don't have to change brushes as often as with other machines. It also has and can be used, with Lifa's specific written approval, for many other purposes (e.g. cleaning of accumulated dirt and sediment from different process pipes).

The Hydmaster is Lifa's flagship product and is protected by a patent.

Lifa Y-Gear (accessory) gives an extra cleaning force for the corners in rectangular ducts.



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Technical specifications

Electrical connection:	110 V / 230 V, Single Phase
Frequency:	50 Hz or 60 Hz
Power rating:	1.1 kW (1,5 HP)
Fuse/breaker:	16 A
Power cord:	4 m, 3G 2,5mm ² (13 ft, 3G 0,12 sq.inch)
Maximum operating temperature:	+ 70 °C (158 F)
Adjusted hydraulic pressure:	100 bar (1450 PSI)
Maximum torque:	10 Nm (89 lb in)
Brush rotation speed:	0-800 rpm, steplessly adjustable
Rotation control:	Variable Speed AC Motor Drive
Rotation direction change:	By pneumatic pedal system
Brush connection:	M12 (metric)
Dimensions:	Height: 1,290 mm (51") Width: 570 mm (23") Length: 1,100 mm (44")
Length of cleaning axis:	40 m (130 ft.)
Shaft cover/structure:	Laminated PVC sheath / glass fibre rod
Frame and reel:	Zinc electroplated steel tube. Cover ABS plastic.
Built-in Video Camera system	Color CMOS Camera, NTSC/PAL
TFT-LCD monitor	See User`s Manual
Accessory video goggles head set	Olympus Eye Trek (see users manual)
For difficult work spaces:	



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