

With combustion engine

## HD 1050 DE



Independently usable high-pressure cleaner with electric start and a hard-wearing high-powered Yanmar diesel engine. Easy to transport due to large wheels with air tyres, favourable weight and carrying handles for easy handling.

### Standard accessories:

- Trigger gun : Easy Press
- Trigger gun with soft grip
- High-pressure hose 15 m
- Spray lance 1050 mm
- Triple nozzle (0°/25°/40°) : touchless changeover
- Anti-twist system (AVS)
- Electric starter
- Servo-Control

Order number: 1.810-988.0



### Technical data

Operating pressure (bar/MPa)	40-230/4-23
Max. pressure (bar/MPa)	250/25
Water flow rate (l/h)	400-930
Max. water feed temperature (°C)	max. 60
Engine type	L 100 AE/diesel
Engine manufacturer	Yanmar
Engine performance, net.	-
Engine performance, gross (hp)	7.4/10
Weight (kg)	103
Dimensions (L x W x H) (mm)	1050x540x720

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## Data8ls

### Description

Rugged and versatile petrol-powered cold water high-pressure cleaner which operates independent of an electricity supply.

Four-stroke air-cooled petrol engine with pull starter.

Engine and pump are installed on anti-vibration mounts in a sturdy, easily transported tubular steel frame for reliable protection against damage. Frame is powder coated to protect it against corrosion and has accessory holders to accommodate the standard accessories. Large diameter, air tyred wheels ensure convenient mobility, even in difficult terrain.

Durable three-piston axial pump with direct drive ensures outstanding efficiency and an extra long wear life. The pump's brass cylinder head and stainless-steel valves are designed for tough professional applications.

Safety equipment:

Safety relief valve reliably protects the unit against excessively high pressures. Low oil cut-out which shuts off engine automatically in the event of a low oil level. Relief valve with integral servopress control to suit different cleaning tasks. Standard fine-mesh water filter in inlet reliably protects pump against impurities.

Servopress system enables pressure and water flow to be adjusted directly on the trigger gun. Infinitely variable detergent metering valve ensures precise and economic detergent feed in low pressure mode. It is set by rotating the triple nozzle, which has two additional jets, i.e. a high-pressure pencil jet and a high-pressure 25° fan jet flick-to-change.

Integral speed control reduces engine speed when trigger is closed and thus helps to keep noise levels low.

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### Application

High-pressure cleaner for full-force professional cleaning operations

Mobile unit which operates independent of electricity

Ideal for painters, plasterers, facade cleaners, building contractors, farmers and the forestry industry and local governments.

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### Features & Benefits

Air-cooled 8.1 kW/11 HP four-stroke petrol engine (HONDA), pull start

Easy to start, high preformance, self-sufficient mobility

Automatic revolution reduction during work interruptions

Lower noise level, increased service life

AVS anti-twist system Preventing annoying twists and loops in the hose

Brass cylinder head with suction and pressure valves from high-grade steel

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Long service life, allows use of a wide range of detergents

Drive:

High-pressure pump:

Large air tyred wheels (diameter of 200 mm)

Very mobile even on difficult terrain

Low oil cut-out

Automatic stop of engine at low lubricant level

Miscellaneous:

Petrol tank: 6,5 l (unleaded petrol)

2 hours continuous full-load operation at 3 l/h consumption

Safety and control equipment:

Sturdy tubular frame

Optimum allround protection, mobile applications

Thermometer probe on pump cylinder head

Automatic engine shut-off in case of too high water temperature in by-pass circulation

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### Accessories

#### Adapter

##### Adapter M22 - Swivel

M22 x 1,5 female and swivel connection. For extension of high-pressure hoses with AVS connection or for usage of the telescopic lance with a high-pressure hose with AVS connection.

**Order number 4.424-004.0**



#### Angle vario nozzle 0°-90°

##### Variable angle nozzle 0-90°

Variable angle nozzle for spray angle adjustment from 0° to 90°. For easy adjustment to all kinds of soiling and surfaces.

**Order number 4.763-039.0**



#### Automatic, self-winding hose reels

##### Hose reel, automatic, 20 m, painted

Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.

**Order number 2.639-919.0**



##### Swivel holder

Swivel holder for automatic hose reel wall mounting. For maximum action radius and flexibility of high-pressure hose. Rotatable 120°. Galvanised steel.

**Order number 2.639-931.0**



##### Hose reel, automatic, 20 m, stainless steel

Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.

**Order number 6.391-421.0**



## Automatic, self-winding hose reels

### ABS hose reel stainless steel

High-grade, automatic steel hose reel. Especially suitable for use in the food industry. The material and finish provide for a corrosion-resistant, watertight capsuled sprung drive. Connection for HP hoses with nipple.

**Order number 2.641-866.0**



### ABS wall fastening stainless steel

Swivelling wall bracket made of high-grade steel (for 2.641-866). This makes maximum flexibility and convenience possible when working with the HP hose.

**Order number 2.641-867.0**



## Backflow check valve

### Backflow preventer

To prevent detergent getting into the drinking water cycle in case of inlet at low-pressure. - hot water resistant up to 80 °C - tested according to IEC 60335-2-79 - integrated leakage protection

**Order number 2.641-374.0**



## Connector

### Nozzle connector/screw connector

Nozzle connector/screw connector for connecting high-pressure nozzles and accessories to the high-pressure trigger gun (with nozzle connector). Connectors: 1x M 22 x 1.5 and 1x M 18 x 1.5.

**Order number 4.402-022.0**



## Coupling

### Double connector

Brass double connector for connecting and extending high-pressure hoses. With rubber protection. Connector: 2x M 22 x 1.5 m.

**Order number 4.403-002.0**



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### Cup foam lance

#### Cup foam lance

Short, handy foam lance with adjustable spray angle with 1 litre detergent tank. Ideal for cleaning cars due to its compact design.

Order number 6.394-668.0



### Tank 1L

Order number 6.414-954.0



### Dirt blaster - changeover to fan jet

#### Dirt blaster with changeover to fan jet

Dirt blaster with rotating pencil jet offers 10 times better cleaning performance. Changeover to high-pressure fan jet Further data: Max. 300 bar, 30 MPa, 85°C.

Order number 4.763-957.0



### Dirt blaster – changeover to low pressure cleaning agent intake

#### Dirt blaster with changeover to detergent injection

Dirt blaster with rotating pencil jet offers 10 times better cleaning performance. With changeover to detergent injection. Further data: Max. 300 bar, 30 MPa, 85°C.

Order number 4.763-951.0



### Dirt blaster – non-changeover

#### Dirt blaster - without changeover function

The dirt blaster with rotating pencil jet offers 10 times better cleaning performance. Ceramic nozzle and bearing ring for a long service life. Further data: Max. 300 bar, 30 MPa, 85°C.

Order number 4.763-253.0



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### Doppelstrahlrohr

#### Double lance 960 mm

960 mm double lance for variable pressure adjustment on handle at full water flow rate. Suitable for agricultural use ( e.g. stable cleaning).

Order number 6.394-665.0



### Flexible spray lance

#### Flexible lance 1050 mm

1050 mm flexible lance with variable bend from 20° to 140°, ideal for cleaning difficult to reach areas, e.g. gutters.

Order number 6.394-654.0



### Food industry version

#### High-pressure hose, 10 m, DN 8, AVS trigger gun connection, food industry, grey

Food industry version, AVS connection in the trigger gun. grey NW 8/155 °C/250 bar

Order number 6.390-704.0



#### High-pressure hose, 20 m DN 8, AVS trigger gun connector, suitable for food industry, grey

20 m high-pressure hose (DN 8) with patented (rotating) AVS trigger gun connector. Non-discolouring outer layer for use in the food industry. NW 8/155°C/250 bar.

Order number 6.390-705.0



### Geka coupling

#### Geka coupling with hose liner, 1"

Order number 6.388-465.0



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## Hard surface cleaner FRV 30

### FR Venturion

With the integrated, automatic suction of the waste water the FRV 30 allows more efficient surface cleaning for indoor and outdoor usage. The inconvenient flushing of the surface after cleaning is not necessary anymore because the waste water can be drained off well-directed through the included 5m suction hose. Non-marking wheels and ceramic bearings are further quality features. Machine specific nozzle kit has to be ordered separately. Max. 250 bar / 1000 l/h / 60°C.



**Order number 2.642-169.0**

### Nozzle kit 050 - for FRV 30

Kärcher FRV 30 nozzle kit includes power nozzles, unions and venturi nozzle for optimal cleaning performance. Special fitting tool included.

**Order number 2.642-433.0**



### Extension hose 5 m

5m extension hose for FRV 30. Connection sleeve included.

**Order number 4.440-939.0**



## Hose reel add-on kit

### Hose reel kit for petrol-driven high-pressure cleaners

Hose reel kit for mounting on unit. The perfect solution for safe and space-saving high-pressure hose storage.

**Order number 2.637-880.0**



## HP nozzle spray angle 0°

### High-pressure nozzle with 0° spray angle

High-pressure nozzle with powerful jet for extremely stubborn dirt.

**Order number 2.884-535.0**





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### Longlife 400

#### High-pressure hose Longlife 400, 10 m DN 8, AVS trigger gun connection

with patented AVS connection in trigger gun (pivot-mounted)

Order number 6.389-856.0



#### High-pressure hose Longlife 400, 20 m DN 8, AVS trigger gun connector

20 m high-pressure hose Longlife 400 (DN 8) with patented (rotating) AVS trigger gun connector and manual coupling. Two layer high-strength steel wire reinforced.

Order number 6.390-208.0



### Longlife 400 with unions on both sides

#### High-pressure hose 1.5 m, DN 8, including □ connectors

1.5 m high-pressure hose (DN 8, M 22 x 1.5) with kink protection and connectors at both ends. For connecting to hose reels with appropriate connector (M 22 x 1.5).

Order number 6.390-178.0



### Longlife food industry version

#### High-pressure hose Longlife 400, 10 m, DN 8, AVS trigger gun connection

Longlife HP hose for use in the food industry. Außendecke## animal-grease-resistant, non-colour-bleeding material. With patented AVS connection in the pistol (pivot mounted)

Order number 6.391-885.0



#### High-pressure hose Longlife 400, 20 m, DN 8, AVS trigger gun connection

Longlife HP hose for use in the food industry. Außendecke## animal-grease-resistant, non-colour-bleeding material. With patented AVS connection in the pistol (pivot mounted)

Order number 6.391-886.0



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### Power nozzle spray angle 15°

#### Power nozzle 15° spray angle

Fan jet nozzle with 15° spray angle suitable for stubborn dirt.

Order number 2.883-390.0



### Power nozzle spray angle 25°

#### Power nozzle 25° spray angle

Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.

Order number 2.883-399.0



### Power nozzle spray angle 40°

#### Power nozzle 40° spray angle

Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.

Order number 2.884-524.0



### Push-on washing brush

#### Push-on wash brush, M 18 x 1.5

Push-on wash brush for universal use. Simply push on to lance. Connector: M 18 x 1.6.

Order number 4.762-016.0



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### Quick connect

#### Quick coupling

For quick change of different spray lances and accessories. Optimum adaption to Kärcher accessories, especially for connection between trigger gun and spray lance. With M22 x 1,5 female.

**Order number 6.401-458.0**



#### Plug nipple

Hardened stainless steel nipple for quick coupling 6.401-458. With M22 x 1,5 male.

**Order number 6.401-459.0**



### Rinnenreiniger

#### Gutter cleaning lance

The lance is suited for cleaning of gutter systems. Because of the shape of the lance and the special nozzle the gutter can be cleaned without removing the cover plates.

**Order number 2.642-305.0**



### Rollover nozzle holder

#### Rollover nozzle holder

Rollover nozzle holder for contactless changeover from pencil jet to fan jet as well as low-pressure detergent injection via knurled nut. Without nozzle insert. (Additional type-specific power nozzle).

**Order number 4.764-012.0**



### Rotary coupling

#### Rotary coupling

Reliably prevents high-pressure hose twisting. Connection M 22 x 1.5 m. protector

**Order number 4.401-076.0**



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### Rotary coupling

#### Rotary coupling

Kärcher rotary coupling prevents twisting and kinking of high-pressure hoses for ease of use. Connector M 22 x 1.5 m. With grip protection.

**Order number 4.401-091.0**



### Rotating spray lances

#### 1050 mm lance, rotatable, ergonomic

1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.

**Order number 4.760-660.0**



#### Rotatable lance, 600 mm, ergonomic

600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.

**Order number 4.760-664.0**



#### Lance 850 mm, rotatable, ergonomic

850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.

**Order number 4.760-663.0**



#### Lance 1550 mm, rotatable, ergonomic

1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.

**Order number 4.760-661.0**



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### Rotating spray lances

#### Lance 2050 mm, rotatable, ergonomic

2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.

Order number 4.760-662.0



### Servo Control

#### Servo control

Servo control for water flow and pressure control (750 - 1100 l/h) on the trigger gun.

Order number 4.775-470.0



### Special hoses

#### High-pressure hose, 1.5 m DN 8, connection to hose reel

Order number 6.388-886.0



### Spray lance

#### Lance 250 mm, non-rotatable

250 mm stainless steel lance. With manual coupling. Non-rotatable.

Order number 4.760-667.0



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### standard

#### High-pressure hose, 15 m DN 8, AVS trigger gun connector

15 m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.

Order number 6.390-185.0



#### High-pressure hose, 10 m DN 8, AVS trigger gun connector

10 m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.

Order number 6.390-025.0



#### High-pressure hose, 20 m DN 8, AVS trigger gun connector

20 m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.

Order number 6.390-171.0



### Suction filter

#### Water filter

Order number 6.414-956.0



### Telescopic spray lance

#### Telescopic jet pipe

Order number 6.394-690.0



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### Trigger guns

#### High end high-pressure trigger gun

Robust, professional trigger gun made of food-grade and seawater resistant materials. With optimised flow for low pressure loss at water flow rates of up to 2500 l/h.

**Order number 4.775-823.0**



### Triple nozzle, touchless changeover

#### Triple nozzle, touchless changeover

Triple nozzle with high-pressure pencil jet (25°) and low-pressure fan jet (40°). Fast and easy jet changeover by turning the nozzle.

**Order number 4.767-065.0**



### Triple nozzles

#### Triple nozzle 050

Triple nozzle with manual nozzle changeover. Convenient spray adjustment. For high-pressure cleaners with injector; low-pressure fan jet for detergent removal and application. Connector M 18x1.5.

**Order number 4.767-154.0**



### Y distributor

#### Y distributor

**Order number 4.405-048.0**

