

## Hot water middle class

### HDS 655-4 M Eco

#### Overview

The new generation Eco Line of medium and heavy-duty machines combines innovative engineering with a maximum of user convenience, economy and a long service life, even under very demanding operating conditions.

Order no. 1.026-303.0



#### Standard accessories

Trigger gun Easy Press, Trigger gun with soft grip, High-pressure hose 10m Longlife, Spray lance 1050mm, Power nozzle, Servo Control, Stainless steel spray lance 1050mm

#### Technical data

Quantity of current phase Ph	1
Frequency Hz	50
Voltage V	230
Water flow rate l/h	350-700
Pressure bar/MPa	30-110/3-11
Max. Temperature (feed 12°C) °C	Max. 155-Max. 80

#### Description

This medium-duty hot water high-pressure cleaner offers a high level of operator comfort and service-friendliness.

The tanks for heating oil, detergent and scale inhibitor can be filled from outside without having to open the machine cover. The machine cover is lockable. A compartment is provided for storing nozzles, tools and other small parts so that they are always at hand.

The upright boiler with integral high-performance burner ensures excellent heat exchange which is one of the prerequisites for complying with emission regulations. The boiler's special design avoids dew point corrosion.

The outstanding features of the smooth-running three-piston axial pump with its ceramic pistons are its simple construction, compactness, low operating sound and long service life.

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The high-pressure pump, burner fan and heating oil pump are driven directly by the electric motor. This layout reduces overall size and guarantees high efficiency and reliability.

#### Application

Particularly suitable for use in changing locations

Main users are painters and contract cleaners (for cleaning facades)

#### Features & Benefits

4-pole electric motor

Water cooled 4-pole electric motor - 1400 rpm delivers pre-heated water, high pressure pump - fuel pump and blower driven by single shaft. Result - high efficiency and long lasting time

Chimney - outlet cover

Made of stainless-steel integrated in the unit cover

Easy Press trigger gun

Ergonomical designed trigger gun with soft grip inlay and reduced holding and trigger force for fatigue free working in long terms

Exhaust gas temperature sensor

The exhaust gas temperature sensor which is integrated in the chimney switches off the electric motor when the exhaust gas temperature exceeds 300°C. Additional working safety for the user in case of burner malfunctions.

Fine-mesh water filter

With transparency housing, integrated on float-tank, Safe protection of the high-pressure components against dirt and particles in the feed water for higher service life time

Low fuel cut-out

The unit shuts down automatically when the tank is empty. No risk of residual oil igniting unintentionally

Servo Control

Sensitive user friendly pressure-/ water flow adjustment through the servopress control direct on the trigger gun

Soft damping system (SDS)

A special high pressure hose (recognisable by the yellow colour and the SDS-labelling) between the safety device and the high-pressure pump eliminates / compensates the arising vibrations in the high-pressure system by factor 2,5

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Three-piston axial pump with ceramic pistons guarantees long service life

#### Absperrhahn

##### Shut-off cock

Order no. 4.580-160.0



#### Abstandhalter (inkl. Düsenverschraubung

##### Spacer (incl. nozzle union)

Guarantees constant safety clearance, e.g. for tyres and bodywork. Helps prevent damage to sensitive surfaces. Mounts directly to lance.

Order no. 5.394-294.0



#### Adapter für Druckregelstrahlrohr

##### Adapter for variable pressure spray lance

For items 9, 10, for mounting accessories to lance, M 24/18 x 1.5

Order no. 4.762-075.0



#### Boron carbide nozzle

##### Boron carbide nozzle

(In addition to nozzle packs. Very wear-resistant nozzle for continuous-duty operation.)

Order no. 6.415-084.0



#### Crane lifting kit

##### Crane lifting kit

Effortless handling by crane.

Order no. 2.638-900.0



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### Düsenschutz

#### Nozzle protector (rubber)

for steam nozzles 4766-023 and 4766-024.  
Order no. 5.394-059.0



### Düsenverschraubung

#### Nozzle union

With protector for high-pressure and Power nozzles.  
Order no. 5.401-210.0



### Detergent injector (without nozzle)

#### Detergent injector (without nozzle)

Adds detergent in high and low pressure modes independent of machine.  
Dosage up to 15%  
Order no. 3.637-001.0



### Dirt Blaster, changeover

#### Dirt Blaster, changeover

changeover to high-pressure fan jet  
Order no. 4.763-957.0



### Dirt Blaster, not adjustable

#### Dirt Blaster, without changeover

Ceramic nozzle and bearing ring  
Order no. 4.763-252.0



## Hot water middle class

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#### Easy Foam Set

##### Easy Foam Set

Complete, ready-to-use HP foam system for use with. HD/HDS units for cleaning and disinfecting. Foam nozzle for connection to lance and HP chemical injector with precision 0-5% metering valve.

Order no. 2.640-693.0



#### Easy Press Trigger gun

##### Servopress Controller

Servopress controller

Order no. 4.775-470.0



##### Easy Press high-pressure gun with soft grip insert

Easy Press trigger gun, integral

Order no. 4.775-463.0



#### Fine mesh water filter

##### Fine mesh water filter

Mounted to machine inlet, 80 øm

Order no. 4.730-102.0



##### Fine mesh water filter

Mounts to machine inlet 150 øm

Order no. 2.638-270.0



##### Fine mesh water filter

Mounts to machine, suitable for suction mode, 150 øm

Order no. 2.638-255.0



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**HDS 655-4 M Eco**

### Flächenreiniger FR 30 ME

#### Surface cleaner, 300 mm diameter

A rotating nozzle beam with Kärcher Power nozzles has an area coverage up to 10 times larger than conventional methods. Stainless steel version. Ceramic bearings. Integral vacuum connection.  
Order no. 2.640-355.0



### Foam nozzle mounting kit

#### Anbausatz Schaumdüse

For applying foam detergent in metered quantities in sanitary and food areas, or where long reaction time is necessary, mounts to spray lance in place of HP nozzle  
Order no. 2.637-926.0



### Geka coupling

#### Geka coupling

with hose liner  
Order no. 6.388-461.0



#### Geka coupling

with female thread  
Order no. 6.388-458.0



#### Geka coupling

with hose liner  
Order no. 6.388-455.0



### High pressure hoses

#### High-pressure hose, 20 m, DN 8, PN 160 bar, AVS gun connectionm,

Food industry version, AVS connection in trigger gun grey ID 8/155°C/160 bar  
Order no. 6.390-705.0



## Hot water middle class

### HDS 655-4 M Eco

#### High-pressure hose, 10 m, DN 8, PN 160 bar, AVS gun connectionm,

Food industry version, AVS connection in trigger gun grey ID 8/155°C/160 bar  
Order no. 6.390-704.0



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

Longlife 400 with patented AVS connection in trigger gun (pivot mounted) ID 8/155°C/400 bar  
Order no. 6.390-208.0



#### High-pressure hose 20 m, DN 8, PN 200 bar

With M 22x1.5 union at both ends and anti-kink protection ID 8/155°C/315 bar  
Order no. 6.390-031.0



#### High-pressure hose 20 m, DN 10, PN 400 bar, Longlife, extension

Longlife 400, With rotary coupling 2 x M22 x 1.5, ID 8/155°C/400 bar  
Order no. 6.390-027.0



#### High-pressure hose 10 m, DN 10, PN 400 bar, Longlife, extension

Longlife 400, Without rotary coupling 2 x M22 x 1.5, ID 8/155°C/400 bar  
Order no. 6.390-026.0



#### High-pressure hose

With M 22x1.5 union at both ends and anti-kink protection ID 10/155 °C/220 bar  
Order no. 6.390-023.0



#### High-pressure hose, 15 m, DN 8, 315 bar, extension

With M 22x1.5 union at both ends and anti-kink protection ID 8/155 °C/315 bar  
Order no. 6.390-010.0



#### High-pressure hose 10 m, DN 8, PN 315 bar, extension

With M 22x1.5 union at both ends and anti-kink protection ID 8/155°C/315 bar  
Order no. 6.389-891.0



## Hot water middle class

### HDS 655-4 M Eco

#### High-pressure hose, 20 m, DN 8, PN 180 bar, food version, extension

Food industry version with M 22x1.5 union at both ends, anti-kink protection, ID 8, with rotary coupling, for food industry, up to 230 bar  
Order no. 6.389-581.0



#### High-pressure hose, 10 m, DN 8, extension, food version

Food industry version with M 22x1.5 union at both ends, anti-kink protection, ID 8, with rotary coupling, for food industry, up to 230 bar  
Order no. 6.389-479.0



#### High-pressure hose, 10 m, DN 8, incl. swivelling joint

Longlife 400, With rotary coupling 2 x M22 x 1.5, ID 8/155°C/400 bar  
Order no. 6.388-083.0



#### High-pressure hose 10 m, DN 8, AVS gun connection, longlife

Longlife 400 with patented AVS connection in trigger gun (pivot mounted) ID 8/155 °C/400 bar  
Order no. 6.389-856.0



### Hose reel mounting kit

#### Hose reel mounting kit

Order no. 2.637-998.0



### HP detergent injector

#### HP detergent injector

Adds up to 5% detergent in high-pressure mode  
Order no. 3.637-170.0





## Hot water middle class

### HDS 655-4 M Eco

#### Inno Foam Set

##### Inno Foam Set

Complete, ready-to-use HP foam system for use with mobile and stationary HD/HDS units for cleaning and disinfection. Twin spray lance with foam nozzle and changeover to HP jet for clear rinsing etc., HP chemical injector with precision 0-5% metering valve.

Order no. 2.640-692.0



#### Installationsmaterial

##### Rotating joint

Reliably prevents HP hose twisting. M 22x1.5 connection with protector

Order no. 4.401-076.0



#### Kugeldüsenträger

##### Rollover nozzle holder

Changes from solid to fan jet with flick of the wrist. Knurled nut for changeover to low pressure chemical intake, without nozzles (order Kärcher Power nozzle separately)

Order no. 4.764-012.0



#### Kupplung

##### Double pipe union

For connecting and extending HP hoses. 2 x M22 x 1,5 connections, brass with rubber protector

Order no. 4.403-002.0



#### Machine-specific nozzle kit

##### Machine-specific nozzle kit

detergent injector + HP nozzle + union

Order no. 4.769-046.0



## Hot water middle class

### HDS 655-4 M Eco

#### Nozzle set, for surface cleaning (model specific)

for item 2.638-831 and 2.640-355  
Order no. 2.639-187.0



#### Mounting kit for 2nd detergent tank

##### Mounting kit for 2nd detergent tank

Mounting kit integrated in machine  
Order no. 2.638-235.0



#### Nozzle insert (for position 3.637-001)

##### Nozzle insert (for position 3.637-001)

For low pressure.  
Order no. 4.769-006.0



##### Nozzle insert (for position 3.637-001)

For high pressure.  
Order no. 4.769-002.0



#### Nozzle kit for HKF 50 spray head

##### HKF 50 spray head

Nozzle kit for items 3.631-039 and 3.631-009. 2nozzle  
Order no. 6.415-444.0



##### HKF 50 spray head

Nozzle kit for items 3.631-039 and 3.631-009. 1 nozzle  
Order no. 6.415-077.0



##### Screw plug

Screw plug. For operating spray head with one nozzle  
Order no. 5.411-061.0



## Hot water middle class

### HDS 655-4 M Eco

#### Double handle

Cone for installing unit in bungholes. Double handle, for exact control of spray head.

Order no. 4.132-002.0



#### Double handle

Cone for installing unit in bungholes. Double handle, for exact control of spray head

Order no. 2.863-036.0



### Nozzle kits for Inno/Easy Set

#### Nozzle kits for Inno/Easy Set

Ideally match performance to different machine outputs for economic operation.

Order no. 2.640-687.0



### Nozzle pack for wet-blasting attachment

#### Nozzle pack for wet-blasting attachment

Consisting of wet-blasting nozzle and nozzle insert, only for use with wet-blasting attachment 4762-010/-022

Order no. 2.637-903.0



### Pipe cleaning hose, ID 6

#### Pipe cleaning hose, ID 6

Very flexible high-pressure hose for pipe cleaning (1/8"connection for nozzle)

Order no. 6.390-029.0



#### Pipe cleaning hose, ID 6

Very flexible high-pressure hose for pipe cleaning (1/8"connection for nozzle)

Order no. 6.390-028.0



## Hot water middle class

### HDS 655-4 M Eco

#### Pipe cleaning nozzle

##### Pipe cleaning nozzle

With female thread, different spraying directions for environment-friendly cleaning of blocked drains and pipes. Nozzle orifices are positioned so that nozzle pulls itself and the hose into the pipe 4 rotating jets  
Order no. 6.415-428.0



##### Pipe cleaning nozzle

With female thread, different spraying directions for environment-friendly cleaning of blocked drains and pipes. Nozzle orifices are positioned so that nozzle pulls itself and the hose into the pipe. 1x forwards, 3x30° backwards, € 30 mm  
Order no. 5.763-017.0



##### Pipe cleaning nozzle

With female thread, different spraying directions for environment-friendly cleaning of blocked drains and pipes. Nozzle orifices are positioned so that nozzle pulls itself and the hose into the pipe. 3 x 30 °backwards, € 16 mm  
Order no. 5.763-015.0



#### Pivoting spray lance

##### Spray lance, 2040 mm, rotatable

Spray lances in various lengths, stainless steel with hand screw union.  
Ergonomically shaped handle mouldings for optimum control and insulation.  
Can be turned 360° under pressure.  
Order no. 4.760-366.0



##### Spray lance, 1500 mm, rotatable

Spray lances in various lengths, stainless steel with hand screw union.  
Ergonomically shaped handle mouldings for optimum control and insulation.  
Can be turned 360° under pressure.  
Order no. 4.760-365.0



## Hot water middle class

### HDS 655-4 M Eco

#### Pivoting spray lance

Spray lances in various lengths, stainless steel with hand screw union.  
Ergonomically shaped handle mouldings for optimum control and insulation.  
Can be turned 360° under pressure.  
Order no. 4.760-364.0



#### Pivoting spray lance

Spray lances in various lengths, stainless steel with hand screw union.  
Ergonomically shaped handle mouldings for optimum control and insulation.  
Can be turned 360° under pressure.  
Order no. 4.760-550.0



#### Power nozzle 15°

##### Power nozzle spray angle 15°

Fan jet nozzle for stubborn dirt  
Order no. 2.883-390.0



#### Power nozzle 25°

##### Power nozzle spray angle 25°

Fan jet nozzle for large area coverage and stubborn dirt  
Order no. 2.883-400.0



#### Push-on washing brush

##### Push-on washing brush

General-purpose cleaning on all surfaces. With clamp for mounting directly to spray lance. Connection M 18 x 1.5.  
Order no. 4.762-016.0



## Hot water middle class

### HDS 655-4 M Eco

#### Rotary washing brush

##### Rotary washing brush

Driven by water jet. Gently removes fine dust and traffic film from all surfaces. Temperature resistant up to 85 °C. M 18 x 1.5. (replaceable brush element)  
Order no. 4.762-288.0



##### Rotary washing brush

Driven by water jet. Gently removes fine dust and traffic film from all surfaces. Temperature resistant up to 85 °C. M 18 x 1.5. (replaceable brush element)  
Order no. 4.762-284.0



#### Self-winding hose reel for wall mounting

##### Add-on kit wall fastening hose reel

Add- on kit to fasten a hose reel at the wall.  
Order no. 2.639-931.0



##### Hose reel without hp-hose, automatic

Self-winding hose reel (without HP hose) Kärcher HD hose plug-in system  
Order no. 2.639-919.0



#### Spray lance

##### Spray lance, 250 mm, fixed

Stainless steel with hand screw union, does not pivot In conjunction with extended trigger gun  
Order no. 4.760-058.0



#### Spritzkopf HKF 50, Messing

##### HKF 50 spray head , brass

Reach 850 mm. Interior cleaning head for drums, barrels and tanks. For bungholes of 50 mm and more. Connects directly to high-pressure cleaner. Driven by electric motor. Operates in vertical and horizontal positions.  
Order no. 3.631-039.0



## Hot water middle class

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#### Starting current limiter

##### Starting current limiter

Reduces starting current in single-phase supply and protects line fuse.

Order no. 2.637-495.0



#### Steam nozzle

##### Steam nozzle .

50° flat jet for cleaning and thawing operations in steam mode, e.g. thawing sand and gravel, de-icing formwork, dewaxing vehicles.

Order no. 4.766-023.0



#### Suction filter

##### Suction filter

With/without non-return valve, brass

Order no. 4.730-019.0



##### Suction filter

With/without non-return valve, brass

Order no. 4.730-012.0



#### Unterbodenstrahlrohr

##### Underbody lance

Mobile. For effective and convenient cleaning of underbodies and wheel arches. Stainless steel. Without HP nozzle

Order no. 4.760-245.0



#### Variable pressure spray lance

##### Variable pressure spray lance

With integral pressure gauge for infinitely variable pressure control directly on lance. Nozzle connection M 24 x 1.5. Chemical feed in low pressure mode.

Variable pressure lance and Kärcher Power nozzle.

Order no. 4.760-362.0



## Hot water middle class

### HDS 655-4 M Eco

#### Variable pressure spray lance

With integral pressure gauge for infinitely variable pressure control directly on lance. Nozzle connection M 24 x 1.5. Chemical feed in low pressure mode.

Variable pressure lance and Kärcher Power nozzle.

Order no. 4.760-230.0



#### Vario nozzle 0°-90°

##### Vario nozzle 0-90°

High-pressure jet infinitely variable between 0° and 90° so it can be exactly matched to all types of soiling and surfaces.

Order no. 4.763-039.0



#### Verbindungsstück

##### Adapter

For connecting HP nozzles and accessories directly to trigger gun ( with nozzle union) 1 x M22 x 1.5/ 1 x M18 x 1.5

Order no. 4.402-022.0



#### Water supply hose

##### Water supply hose

ID 19 R1"/R1" - up to 85°C

Order no. 4.440-270.0



##### Water supply hose

ID 19 R1"/R 3/4" - up to 85°C - for suction mode

Order no. 4.440-207.0



##### Water supply hose

ID13 R1"/R 3/4" - up to 30°C

Order no. 4.440-038.0





Hot water middle class

HDS 655-4 M Eco

### WC-Strahlrohr

#### WC-Spray lance

With nozzle. Specially shaped for cleaning WCs. Stainless steel.

Order no. 4.760-073.0



### Wet blasting attachment

#### Wet-blasting attachment (without nozzles)

Adds abrasive to high-pressure jet. For removing paint, rust, scale. Mounts to spray lance in place of HP nozzle. Without abrasive flow control

Order no. 4.762-022.0



#### Wet blasting attachment ( without nozzles)

Adds abrasive to high-pressure jet. For removing paint, rust, scale. Mounts to spray lance in place of HP nozzle. With abrasive flow control

Order no. 4.762-010.0

