

Full-size Classic  
Hot Water Pressure Washers



Powerful, user-friendly and fuel-efficient





## The next stage of innovation

Kärcher's full-size classic hot water pressure washers are exceptional cleaners in addition to their rugged dependability and ease of use. A unique ecoefficiency setting allows these machines to operate in the most economical temperature range, saving operating costs while providing an environmentally-friendly cleaning solution. Kärcher's innovative and technologically superior lineup of equipment makes them indispensable wherever professional cleanliness is a must: in the agricultural, automotive, and building services industries, among others.

### **1 Environmental protection**

Kärcher equipment relies on an ecoefficiency mode, service switch for controlling water hardness, turbo fan, precision detergent metering, optimized burner technology and high-efficiency pump for a greener cleaning solution.

### **2 User friendliness**

Kärcher units are more intuitive to operate thanks to a number of user-friendly features. These include a central, clearly arranged control panel; a spray lance holder; LED display; Easy Press trigger gun; 41" stainless steel wand that swivels under pressure; and 50' of high pressure hose with built-in swivel.

**3 Cleaning performance**

Highly efficient cleaning is the standard thanks to Kärcher's patented nozzle technology, ceramic pistons, turbo fan, and increased pump efficiency. Accessories are optimized for specific applications and designed to suit user requirements.

**4 Mobility**

Kärcher units feature dual casters, large rubber-tired wheels, ergonomic handles, lifting points for handling with a forklift, lashing rings, and a recessed tread for tilting, ensuring ease of mobility.

**5 Operational Reliability**

Our equipment will operate reliably whenever you need it to, thanks to safety features like gas flue monitoring; a corrosion-proof, flexible but robust chassis; machine protector system; three-piston axial pump with ceramic pistons; heat resistant flue outlet; and much more.

**6 Service friendliness**

Easy access to all components translates to efficient, trouble-free service.

## Environmentally friendly and efficient.

Kärcher classic hot water pressure washers impress users with their quality, reliability, and efficiency. These characteristics are a direct result of the many design details developed after numerous field tests and consultations with professional users.



**ecoefficiency mode**



Kärcher's Classic hot water pressure washers are the first in the industry to offer ecoefficiency mode. This enables the machine to operate in the most economical temperature range (140° F) and at the maximum water flow rate, reducing fuel consumption by 25% and optimizing burner operating cycles compared to full-load operation at 180° F.



**Service switch**

Kärcher's Classic series features a service switch that offers a choice of five settings to suit local water hardness. This allows optimum metered quantities of anti-scaler and corrosion inhibitor to be added to the water supply, and prevents the buildup of lime scale on the heater coil. Operating data can be called up any time, allowing you to make continual adjustments.



**Time-proven burner technology with new turbo fan**



Kärcher burner technology not only translates to more economical operation, but also makes our hot water pressure washers trendsetters in environmental protection thanks to their low emissions and highly efficient operation.



**Easy Press and Servo Control**  
(optional accessory)



The Easy Press trigger gun significantly reduces holding and operation effort, and the precise Servo Controller allows the user to adjust water flow rate and operating pressure directly from the trigger gun.


**Three-piston axial pump**

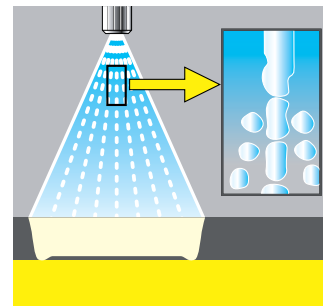
Our new, optimized pump delivers high efficiency and a long service life.


**Detergent switch**

Our detergent switch offers convenience and eliminates error by allowing the user to select the exact metered quantity required from the detergent tanks. In the "O" position (feed off), the system is rinsed clear with fresh water.


**4-pole motor**

Kärcher 4-pole motors are low-speed and water-cooled, providing quiet operation and a long service life.


**Power nozzle**

Kärcher's patented power nozzle cleans large areas thoroughly, with more power and efficiency than similar nozzles offered by the competition. Compared to a convention nozzle, the power nozzle's sharp-contoured spray jet of large droplets increases impact pressure by up to 40%, making quick work of the dirtiest jobs.

## Our Classic Series offers unbeatable versatility

Kärcher full-size Classic units combine innovative technology with operator convenience for a lineup that is economical and durable, and boasts unparalleled versatility, even in the most difficult operating conditions.



### 1 Control panel

The controls and LED indicators on the new Kärcher full-size hot water pressure washers are laid out clearly and designed for intuitive operation.

#### 1.1 LED indicators

- Pump: Low oil, leak, dry-run cutout
- Motor: Overload, phase failure, over/under voltage
- Burner: Flue gas temperature
- Service: Times
- Fuel: Tank empty
- Machine Protector: Tank empty

#### 1.2 Pressure gauge

Selected operating pressure.

#### 1.3 Detergent switch

#### 1.4 Main switch

Cold and hot water mode, steam mode, ECO mode.

#### 1.5 Temperature switch

For accurate adjustment of temperature.

### 2.1 Defined lifting points for forklift

Our new generation of high-pressure cleaners has defined lifting points for handling with a forklift – ideal for loading and unloading.

### 2.2 Lashing rings

Defined rope attachment points for safe transportation in a service vehicle.

### 2.3 Maneuverability

Sturdy large diameter wheels with rubber tires and casters guarantee trouble-free maneuverability. This is enhanced by ergonomic handles, which allow the user to easily push or pull the machine.

### 2.4 Tilting aid

The tilting aid enables the machine to be raised at the front to overcome obstacles such as steps.



**3 Flue gas temperature sensor/  
Stainless steel flue outlet**

The flue gas temperature sensor inside the flue automatically shuts the machine off when the flue temperature exceeds 572° F, ensuring greater safety for both the machine and the operator.

**4 Ceramic pistons**

The three pistons of the axial pump are constructed of durable, wear-resistant ceramics, guaranteeing an exceptionally long wear life.

**5 Chassis**

The chassis is made of corrosion-free plastic, and contains an all-round bump guard and built-in fuel and detergent tanks.

**6 Fine mesh water filter**

The fine mesh water filter upstream of the float tank traps suspended matter and protects the high-pressure pump from impurities.

**7 SDS Soft damping system**

The SDS Soft Damping System compensates for pressure surges in the high-pressure system and prolongs the life of all high-pressure components, including the heater coil.

**8 Spray lance**

Classic series machines are equipped with lance holders on both sides of the cover for secure stowage and transportation.

**9 Accessory compartment**

Each basic machine has a large capacity hinged accessory compartment for storing tools and accessories.

**10 High-pressure hose reel**

You can choose optional hose reels that will hold up to 200' of high-pressure hose.

**11 Service friendliness**

All components are easily accessible via a machine cover that is quickly unlocked and removed, making service fast and simple.

**12 System care**

Kärcher's new machine protector system guards against the buildup of lime scale on heater coils. Cleaning agents in the Advanced series are formulated to protect and maintain the appearance of the whole machine.

**13 Safety Certified**

Each machine is certified by ETL to UL1776 and CSA C22.2 No. 68-92 safety standards – among the most stringent in the industry – for owner and operator safety.

# Hot Water | Electric Powered | Diesel Heated

## Full-size power

The perfect machines for car dealers, building trade, agriculture and municipal use: our new middle class machines set standards in terms of technology, performance, ease of use, economy, service life and environmental protection.



HDS 4.0/20-4M Ea   HDS 4.5/22-4M Ea   HDS 3.5/30-4M Ea   HDS 3.5/23-4M Eg   HDS 5.0/30-4S Eb   HDS 5.0/30-4S Ec

- Kärcher's direct-drive Axial pumps
- Industrial-grade axial pump
- Efficient burner uses less fuel
- Complete machine shut-down at the gun
- Low fuel shut-off / low water protection
- High temperature protection
- Variable flow, PSI, temp, & soap
- Steam capable at the turn of a knob
- ETL certified to UL and CSA standards

### Technical Data

| GPM                             | 2.0-4.0            | 2.4-4.5            | 2.0-3.5            | 2.0-3.5            | 2.4-5.0            | 2.4-5.0            |
|---------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| PSI                             | 460-2000           | 460-2250           | 460-3000           | 460-2300           | 460-3000           | 460-3000           |
| HP                              | 8                  | 9.5                | 9.5                | 8.1                | 11                 | 11                 |
| Electrical                      | 220-240V / 1ph     | 220-240V / 1ph     | 220-240V / 1ph     | 200-208V / 1ph     | 230V / 3ph         | 460V / 3ph         |
| Amps                            | 30                 | 30                 | 30                 | 30                 | 30                 | 15                 |
| Pump                            | Kärcher Axial      | Kärcher Axial      | Kärcher Axial      | Kärcher Axial      | Kärcher Axial      | Kärcher Axial      |
| Ship Weight   lbs.              | 396                | 443                | 405                | 368                | 423                | 413                |
| Dimensions (L x W x H)   inches | 52.5 x 29.5 x 41.5 | 52.5 x 29.5 x 41.5 | 52.5 x 29.5 x 41.5 | 52.5 x 29.5 x 41.5 | 52.5 x 29.5 x 41.5 | 52.5 x 29.5 x 41.5 |
| Order No.                       | 1.071-427.0        | 1.071-409.0        | 1.071-431.0        | 1.071-407.0        | 1.071-608.0        | 1.071-626.0        |
| Color                           | ■                  | ■                  | ■                  | ■                  | ■                  | ■                  |

### Options (field installed)

|              |                                                                       |
|--------------|-----------------------------------------------------------------------|
| 8.750-685.0  | 100' Pivot Hose Reel, 3/8" x 100' with pin lock                       |
| 8.921-775.0  | Classic pivoting hose reel bracket mount (*requires additional parts) |
| *8.918-280.0 | Hose, 3/8"x 6'                                                        |
| *8.709-531.0 | Coupler, Twist Seal, 3/8" Socket, Female                              |
| *9.802-114.0 | Street Elbow, 3/8" Mpt x 3/8" Fpt / 90 Degree                         |

# Hot Water | Electric Powered | Electric Heated

**NEW**



## HDS-E 3.3/25-4M Ec powerful, exhaust-free cleaning.

The emission-free HDS-E 3.3/25-4M Ec with electric boiler is ideal where exhaust gases are undesirable or prohibited. Thanks to the unique type of boiler insulation and Kärcher ecoefficiency mode, the HDS-E 3.3/25-4M Ec is efficient and eco-friendly. Models are ETL certified to UL & CSA safety standards.



### HDS-E 3.3/25-4M Ec

- No fossil fuel emissions or fumes
- Quiet, clean and user friendly
- 90°F temperature rise under full load; 130°F rise under partial load
- Infinitely variable water pressure, temperature control and soap metering

#### Technical Data

|                        |                     |
|------------------------|---------------------|
| GPM                    | 3.3                 |
| PSI                    | 2200                |
| HP                     | 7.5                 |
| Electrical             | 460V / 3ph          |
| Amps                   | 48                  |
| Pump                   | Kärcher Axial       |
| Ship Weight            | lbs. 290            |
| Dimensions (L x W x H) | inches 46 x 28 x 44 |

#### Equipment

|                        |             |
|------------------------|-------------|
| Trigger gun            | Easy Press  |
| High-pressure hose     | feet 33     |
| Spray lance            | inches 41   |
| Power nozzle           | ■           |
| Dry running protection | ■           |
| Servo Control          | ■           |
| Order No.              | 1.030-252.0 |

■ Included in delivery.

#### Optional Accessories

|              |                                                                       |
|--------------|-----------------------------------------------------------------------|
| 8.750-685.0  | 100' Pivot Hose Reel, 3/8" x 100' with pin lock                       |
| 8.921-775.0  | Classic pivoting hose reel bracket mount (*requires additional parts) |
| *8.918-280.0 | Hose, 3/8"x 6'                                                        |
| *6.435-777.0 | Caster wheel, unlocked                                                |
| *7.303-236.0 | Bolts (requires 4)                                                    |
| *5.111-065.0 | Spacer sleeve (requires 4)                                            |
| *8.709-531.0 | Coupler, Twist Seal, 3/8" Socket, Female                              |
| *9.802-114.0 | Street Elbow, 3/8" Mpt x 3/8" Fpt / 90 Degree                         |
| 9.302-444.0  | Dirt blaster nozzle                                                   |
| 2.640-355.0  | Surface cleaner, FR 30 ME                                             |
| 2.639-187.0  | Nozzle kit for FR                                                     |
| 4.403-002.0  | Coupler                                                               |









**makes a difference**

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