



makes a difference



## Pressure Washers 2015

Professional





## **Determination and Partnerships are the keys to success.**

Achieving success requires three ingredients: self-confidence, good training and a clear goal. In today's fast-paced world, reaching your goal without help is difficult. More than ever, success depends on a strong partnership. You'll want to team with somebody whose capabilities you trust, whose equipment is manufactured to the highest quality standards and whose attention to detail and professionalism is top-notch. You'll want to partner with a company like Kärcher; working together, you will achieve your goals quickly and efficiently.





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## Unbeatable versatility – high-pressure cleaning with Kärcher.

The name Kärcher is synonymous worldwide with power, quality, innovation and for cleaning expertise which has been setting the standard for over 75 years. Kärcher invented the high-pressure cleaner in 1950 and has been refining the principle of high-pressure cleaning ever since. More performance with less consumption, longer service life with shorter cleaning times. As a world market leader, Kärcher offers a range of products that leaves nothing to be desired in terms of technical refinement and versatility – operating with cold or hot water, powered by electric motors or internal combustion engines, mobile or stationary.

### 1 State-of-the-art burner technology

- Hot water high-pressure cleaners from Kärcher undergo continuous development. Thanks to an optimized heat exchanger and new turbo fan, emissions can be reduced and fuel consumption lowered. This is environmentally-friendly and cost-effective.

### 2 Durable pump technology

- Kärcher high-pressure cleaners are manufactured in our own plants by our own specialists. This guarantees superior “made by Kärcher” quality.

### 3 Save energy and protect the environment

- Kärcher’s new generation of hot water high-pressure cleaners are the first in the world to feature an ecoefficiency mode. Simply select the ecoefficiency mode (blue) to switch to the most efficient temperature (60 °C) with full water flow. The advantage: The burner cycles are optimised and the fuel consumption (as compared to full-load operation at 80 °C) is reduced by as much as 20%.



**4 Advanced nozzle technology**

- All nozzles for all Kärcher high-pressure cleaners are designed for their specific use in order to achieve optimal results. For example, the power nozzle increases the impact pressure by 40%.

**5 Heat-Transfer efficiency design**

- With today's high fuel List Prices, you can benefit from cleaning faster and better with hot water while saving some serious money.
- Among these innovations: Heat is both absorbed and 'bounced' off a fire brick floor, retaining the heat longer in the heating chamber; A double-pass coil forces water to pass through the heating chamber twice for added heat-transfer efficiency; Outside air serves as an insulating blanket and is pre-heated prior to being injected into the flame for optimum combustion.

**6 Unmatched mobility**

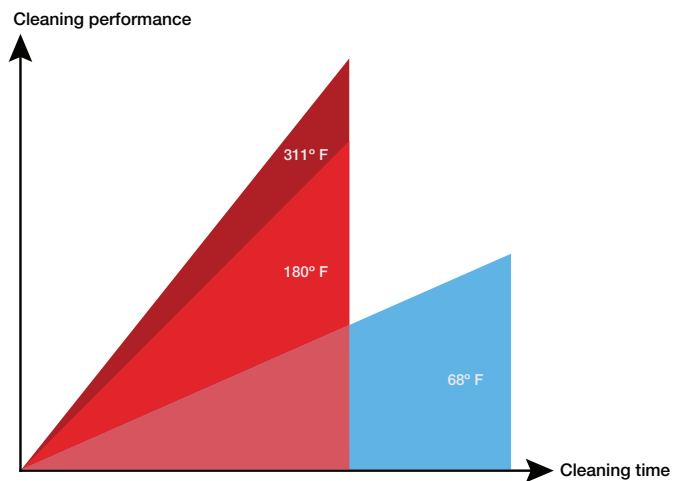
- Kärcher high-pressure cleaners are always raising the bar for mobility. HDS compact, medium-duty and super class models are in a jogger design: large rubber tire wheels at the rear and swivel castors at the front. The new HDS upright range introduces the tried and tested sack trolley principle of the cold water units to the realm of Kärcher hot water high-pressure cleaners. What they all have in common are ergonomic handles and perfect weight distribution for quick relocation, safely and with minimal effort. Transport is simplified by fork-lift compatibility, lashing eyelets and tilting aids.





## Efficient pressure washer cleaning.

The name Kärcher is synonymous worldwide with power, quality, innovation and for cleaning expertise which has been setting the standard for over 75 years. Kärcher invented the high-pressure cleaner in 1950 and has been refining the principle of high-pressure cleaning ever since. More performance with less consumption, longer service life with shorter cleaning times. As a world market leader, Kärcher offers a range of products that leaves nothing to be desired in terms of technical refinement and versatility – operating with cold or hot water, powered by electric motors or internal combustion engines, mobile or stationary.





**HD or HDS: the advantage at a glance.**

**HD: ideal for removing loose dirt and cleaning large areas**

With cold water pressure washers, the temperature has no influence on the cleaning action. The impact pressure is mainly decisive for the cleaning result. For removing stubborn dirt such as oil and grease, good cleaning results can generally be achieved by using detergents. The advantages of HD are as follows: Less expensive, no water heating energy costs, low service and repair costs, fewer components and no heating coil.

**HDS: ideal for removing stubborn dirt, antibacterial action and sensitive surface**

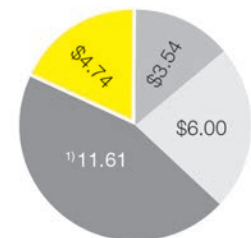
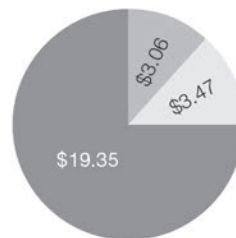
Hot water pressure washers can increase the supplied water temperature from about 54°F to about 302°F. This allows a reduction of the working pressure, cleaning time and the amount of detergent to be used. Cleaning with hot water therefore offers numerous options for optimizing the cleaning process due to the advantages of HDS: Same cleaning effect at lower working pressure, improved cleaning results at identical working pressure, more effective

dissolving of lubricant residues, shorter cleaning times and labor cost saving, effective antibacterial action, shorter drying time and gentle to sensitive surfaces.

**Clear cost comparison**

**Cold water high-pressure washer**  
Total costs: 1 man/hour = \$25.88

**Hot water high-pressure washer**  
Total costs: 1 man/hour = \$21.15



- Fixed costs/man-hour
- HD labour costs
- HDS labour costs (up to 40% time-saving when using a hot water pressure washer)
- Running costs/man-hour
- Saving per man-hour (\$4.74 = 18%)

Calculation based on 100 man-hours/year.

## Hot Water | Electric Powered | Diesel Heated



### HDS upright class – mobility at its finest.

These high-performance, robust upright machines offer outstanding maneuverability, easy transport and intuitive operation. Ideal for tradesmen, commercial use and contract cleaners.

7 YEAR PUMP WARRANTY

INTERTEK LISTED ETV US

AVS

BIO DIESEL

KÄRCHER Auto Shutdown

Ships from Fayetteville



#### 1 Compact design

- Space-saving storage and transport.
- Spill-proof pump and fuel tank for transport lying down.
- Ideal for small service vehicles.

#### 2 Fine-mesh water filter

- Efficiently protects high-pressure pump against contamination.
- Easy to remove from outside.

#### 3 Innovative upright design

- Effortless transport over landings or stairs.
- Large wheels for unpaved surfaces.



# Technical Data and Equipment

**HDS 1.7/12 U Ed**

- 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
- ETL certified to UL and CSA standards

Technical Data		
<b>GPM</b>		1.7
<b>PSI</b>		1200
<b>HP</b>		2.2
<b>Electrical</b>		120V / 1ph
<b>Amps</b>		15
<b>Pump</b>		Kärcher axial
<b>Ship Weight</b>	<b>lbs.</b>	150
<b>Dimensions (L x W x H)</b>	<b>inches</b>	24.3 x 24.3 x 39
<b>Order No.</b>		<b>1.064-037.0</b>

# Hot Water | Electric Powered | Diesel Heated



## Compact "C" Series

Kärcher's German-built electric hot water machines are the most advanced on the market, featuring Kärcher's patented axial pump integrated with a 2-pole motor for optimum efficiency. Kärcher's efficient and compact downdraft-fired burner uses far less fuel than standard coils. Units come standard with low-fuel shut-off, low-water protection, high-temperature shut-off, thermal overload protection, soft-grip gun, and 50' hose. All units are ETL certified to UL and CSA standards.



### 1 Efficiency

- ecoefficiency mode - economical and environmentally friendly, even during longer periods of use.
- Reduces fuel consumption and CO<sub>2</sub> emissions by 20%.
- Accurate cleaning agent dosing unit with clear rinse function.

### 2 Ease of use

- Intuitive operation with large single-button selector switch.
- Easy fillable tanks for fuel and detergent.

### 3 Storage

- Lockable accessory compartment for nozzles, tools, etc.
- Integrated power cord and spray lance holder.

### 4 Mobility

- New push bar handle for easier maneuverability and control.
- Robust wheels and steering mechanism for maneuverability.
- Large integrated handles in the chassis.
- Integrated tilting aid for effortlessly negotiating obstacles such as steps and curbs.



# Technical Data and Equipment

**HDS 2.3/12 C Ed**

**HDS 3.0/20 C Ea**

- 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
- ETL certified to UL and CSA standards

**Technical Data**

<b>GPM</b>	2.3	1.3-3.0
<b>PSI</b>	1100	460-2000
<b>HP</b>	2.8	5.6
<b>Electrical</b>	110 -120V / 1ph	220-240V / 1ph
<b>Amps</b>	20	20
<b>Pump</b>	Kärcher axial	Kärcher axial
<b>Ship Weight lbs.</b>	270	279
<b>Dimensions (L x W x H) inches</b>	42 x 26 x 36	42 x 26 x 36

**Equipment**

<b>Variable flow and PSI</b>		■
<b>Detergent tank</b>	■	■
<b>RM 110 scale inhibitor system</b>		■
<b>Steam stage</b>		■
<b>Pivoting spray lance</b>		■
<b>Fixed spray lance</b>	■	
<b>Power nozzle</b>		■
<b>Triple nozzles</b>	■	
<b>Order No.</b>	<b>1.272-201.0</b>	<b>1.170-616.0</b>

- Included in delivery.

**Options (field installed)**

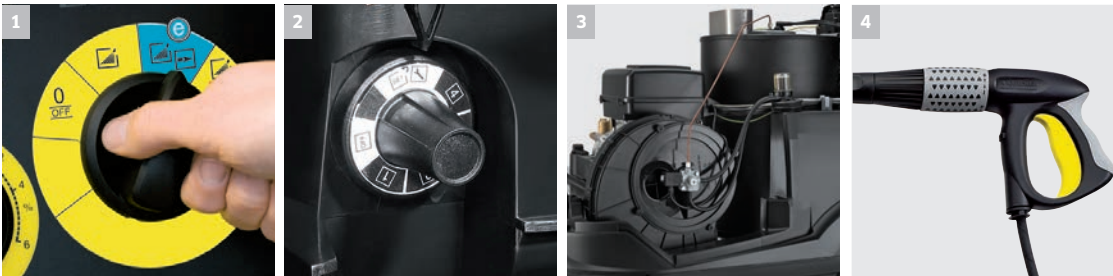
Product name	Order No.	Description
Servo Control	4.775-526.0	Servopress Controller, Less than 3.3 GPM

# Hot Water | Electric Powered | Diesel Heated



## Full-size power

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



### 1 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.

### 2 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.

### 3 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.

### 4 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.



# Technical Data and Equipment

**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 standard

**Technical Data**

<b>GPM</b>	2.0-4.0	2.4-4.5	2.0-3.5	2.0-3.5	2.4-5.0	2.4-5.0
<b>PSI</b>	460-2000	460-2250	460-3000	460-2300	460-3000	460-3000
<b>HP</b>	8	9.5	9.5	8.1	11	11
<b>Electrical</b>	220-240V / 1ph	220-240V / 1ph	220-240V / 1ph	200-208V / 1ph	230V / 3ph	460V / 3ph
<b>Amps</b>	30	30	30	30	30	15
<b>Pump</b>	Kärcher axial	Kärcher axial	Kärcher axial	Kärcher axial	Kärcher axial	Kärcher axial
<b>Ship Weight lbs.</b>	396	443	405	368	423	413
<b>Dimensions (L x W x H) inches</b>	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
<b>Order No.</b>	<b>1.071-427.0</b>	<b>1.071-428.0</b>	<b>1.071-431.0</b>	<b>1.071-407.0</b>	<b>1.071-625.0</b>	<b>1.071-626.0</b>
Color	■	■	■	■	■	■

**Options (field installed)**

Product name	Order No.	Description
100' Pivot Hose Reel	8.750-685.0	100' Pivot Hose Reel, 3/8" x 100' with pin lock
Classic pivoting hose reel bracket mount	8.921-775.0	Classic pivoting hose reel bracket mount (*requires additional parts)
Coupler	8.709-531.0	Coupler, Twist Seal, 3/8" Socket, Female
Street Elbow	9.802-114.0	Street Elbow, 3/8" Mpt x 3/8" Fpt / 90 Degree
Servo Control	4.775-471.0	Servopress Controller, 3.3 to 4.9 GPM

## Hot Water | Electric Powered | Electric Heated

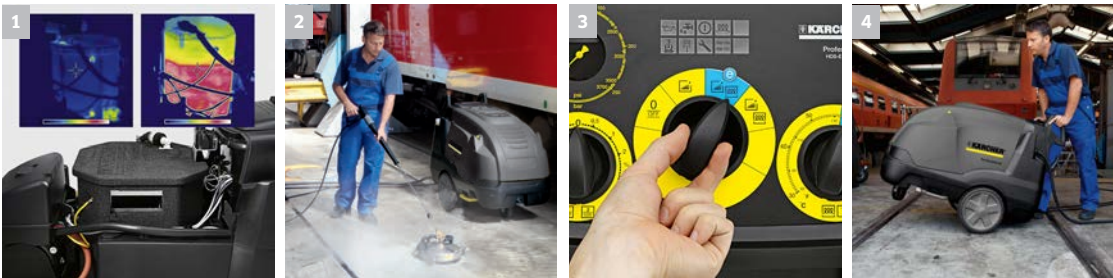


### HDS-E 3.3/25-4M Ec powerful, exhaust-free cleaning.

The emission-free HDS-E 3.3/25-4M Ec with electric heater is ideal where exhaust gases are undesirable or prohibited. Thanks to the unique type of heater 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.



\*Shown with optional Servo Control.



#### 1 High energy efficient, for high cost savings

- Improved highly effective boiler insulation saves up to 40% energy in standby mode.

#### 2 High working temperature

- 15 gallon large hot water tank (max. 185 °F).
- Up to 136 °F in continuous operation at full load or 176 °F through servo control.

#### 3 Environmentally friendly

- ecoefficiency mode for economical operation and ideal cleaning results.
- Less energy consumption saves the environment.

#### 4 Designed with mobility in mind

- Robust, large rubber wheels with enhanced castor and brake.
- Tilting aid located on back of machine.
- Tie-downs point for safe transport and loading.



# Technical Data and Equipment

## 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

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

### Equipment

<b>Trigger gun</b>		Easy Press
<b>High-pressure hose</b>	<b>feet</b>	33
<b>Spray lance</b>	<b>inches</b>	41
<b>Power nozzle</b>		■
<b>Dry running protection</b>		■

### Servo Control

<b>Order No.</b>	<b>1.030-252.0</b>
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- Included in delivery.

### Optional Accessories

Product name	Order No.	Description
100' Pivot Hose Reel	8.750-685.0	100' Pivot Hose Reel, 3/8" x 100' with pin lock
Classic pivoting hose reel bracket mount	8.921-775.0	Classic pivoting hose reel bracket mount (*requires additional parts)
Hose	8.918-280.0	Hose, 3/8" x 6'
Caster wheel	6.435-777.0	Caster wheel, unlocked
Bolts	7.303-236.0	Bolts (requires 4)
Spacer sleeve	5.111-065.0	Spacer sleeve (requires 4)
Coupler	8.709-531.0	Coupler, Twist Seal, 3/8" Socket, Female
Street Elbow	9.802-114.0	Street Elbow, 3/8" Mpt x 3/8" Fpt / 90 Degree
Dirt blaster nozzle	9.302-444.0	Dirt blaster nozzle
Surface cleaner	2.640-355.0	Surface cleaner, FR 30 ME
Nozzle kit	2.639-187.0	Nozzle kit for FR
Coupler	4.403-002.0	Coupler
Servo Control	4.775-470.0	Servo Control

## Hot Water | Electric Powered | Electric Heated



### HDS 801E Series

This Classic Series unit is an electric powered machine that provides electrically-generated heat for those special applications where hot water is required but where gas or oil-fired ignition is prohibited. The 801E is optimal for use in hospitals, food factories, and other areas where indoor emissions present a concern. Models are ETL certified to UL & CSA safety standards.



#### Powerful and durable

- Robust, three-piston axial pump features detergent-resistant brass cylinder head and stainless steel valves; pump is protected by pressure switch, over flow valve and soft-dampening system
- Galvanized, powder-coated steel chassis and high-impact cover protect components from damage.
- Built-in, corrosion-proof detergent tank allows for application of soap while spraying under high pressure.
- Double thermal overload protection guards against damage from high amps and temperatures.
- Proprietary scale inhibiting system prevents build-up of mineral deposits inside the heating element
- Durable 41" insulated stainless steel wand rotates 360° under pressure.
- Air-cooled motor with overload protection for maximum safety and performance
- Power Nozzle delivers 40% more impact than standard nozzles for faster cleaning

#### Smart features

- Pressure-controlled auto start/stop ensures motor and pump shut down automatically when trigger gun is released.
- Infinitely variable water pressure, volume, temperature control and detergent metering.
- Easy-Press trigger gun features a shock absorbing soft-grip handle and on-gun swivel connection.
- Electrically heated, stainless steel boiler features 24 KW integrated heating element and rapid pre-heating chamber.
- Delivers 90° F temperature rise under full load; 130° F rise under partial load
- The separate high-speed heating chamber and hot water tank ensure rapid availability of spray water. A mixer valve on the control panel mixes hot water with cold water from the float tank.
- Low-water protection switches off the heating element when incoming water supply is too low.

# Technical Data and Equipment

## HDS 801E

- 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

<b>GPM</b>	3.3
<b>PSI</b>	2200
<b>HP</b>	7.5
<b>Electrical</b>	550V / 3ph
<b>Amps</b>	54
<b>Pump</b>	Kärcher axial
<b>Ship Weight</b> <b>lbs.</b>	292
<b>Dimensions (L x W x H)</b> <b>inches</b>	46 x 28 x 44
<b>Order No.</b>	<b>1.030-701.0</b>

### Optional Accessories

Product name	Order No.	Description
200' Kärcher Non-pivot Hose Reel	8.750-683.0	200' Kärcher non-pivot hose reel, hose not included
100' Kärcher Non-pivot Hose Reel	8.750-685.0	100' Kärcher non-pivot hose reel, hose not included
200' Kärcher Pivot Reel	8.750-684.0	200' Kärcher pivot reel, hose not included
Mounting kit	8.919-683.0	Mounting kit, non-pivot, 45-degree arm
Mounting kit	8.919-684.0	Mounting kit, non-pivot, vertical arm (includes mounting brackets, hardware and jumper hose)
Mounting kit	8.919-685.0	Mounting kit, pivot reel (includes mounting brackets, hardware and jumper hose)

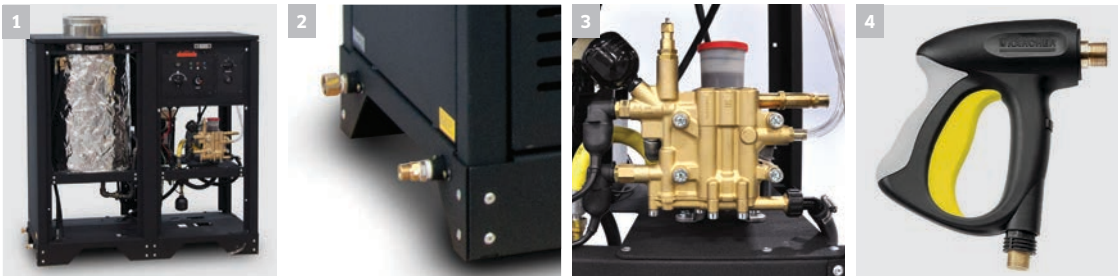


# Hot Water | Electric Powered | Natural Gas or LP-Heated



## Classic NG or LP Cabinet

The innovative, rugged design of the new Kärcher Classic HDS natural gas and LP-heated cabinet pressure washer delivers up to 5 gpm at 3,000 psi of industrial power. Built in the U.S.A., each model is constructed with anodized structural rivets, a water cooled electric motor, standard auto/start/stop and Kärcher's axial direct-drive pump backed by a 7-year warranty. All models are ETL certified to UL and CSA safety standards.



### 1 Easy to service and operate

- All-access cabinet design with six lift out panels and easy lock fasteners provides easy access to components for maintenance in tight situations.
- Swing-out cast iron burner ring with separate "stay-in-place" ignition pilot light allows easy access and removal of the burner ring.
- Standard electronic ignition eliminates the hassle of having to monitor and light pilot flame.

### 2 Fully configurable

- All models are readily designed to accept a full line of Easy-Add field installed option kits.
- Inlet/outlet connections can be easily moved to either side of the unit.

### 3 Designed to last

- The extra-durable heating coil is made of leak-free, cold-rolled, schedule 80 steel pipe and is wrapped with a thick foil blanket insulation that keeps cabinet walls cool to the touch.
- Pulsation damper reduces vibrations on the high pressure side of the system.
- Integrated RM 110 reservoir protects the machine from scale build-up in the heating coil.
- Water-cooled electric motor.

### 4 Easy press trigger gun

- Ergonomic design with soft grip for greater comfort.
- Power nozzle delivers 40% more cleaning power.
- 41" jet pipe lance that rotates under pressure.

# Easy to operate controls with instant feedback lights



- 1 Hour meter
- 2 Power
- 3 RM110
- 4 Detergent valve
- 5 Burner motor switch
- 6 Motor on
- 7 Thermostat control
- 8 Pressure gauge

## Technical Data and Equipment

### Classic NG or LP Cabinets

- Kärcher’s axial direct-drive pump with 7-year warranty
- Integrated RM 110 reservoir
- Built-in auto start/stop
- Steam stage
- Pulsation damper
- Kärcher Easy Press trigger gun
- Kärcher Power Nozzle
- “Stay-in-Place” ignition pilot light with swing out burner ring
- Cool wall cabinet construction

### Natural gas-heated

Order No.	Model	GPM	PSI	Volt-age	Phase	Amps	HP	Pump	Pump/ Motor RPM	BTU	Dimensions (L x W x H) inches Unit / Shipping	Weight (lbs.) Unit / Shipping
1.109-722.0	HDS 4.5/22 Ea ST NG	4.5	2200	230V	1 ph	30	9.5	axial	1725	393,000	49 x 24 x 48 57 x 24 x 48	695 / 865
1.109-729.0	HDS 3.5/30 Ea ST NG	3.5	3000	230V	1 ph	27	9.5	axial	1725	310,000	49 x 24 x 48 57 x 40 x 64	695 / 865
1.109-742.0	HDS 5.0/30 Eb ST NG	5	3000	230V	3 ph	27	11	axial	1725	398,000	49 x 24 x 48 57 x 40 x 64	700 / 870
1.109-743.0	HDS 5.0/30 Ec St NG	5	3000	460V	3 ph	19	11	axial	1725	398,000	49 x 24 x 48 57 x 40 x 64	700 / 870

### LP gas-heated

1.109-763.0	HDS 4.5/22 Ea ST LP	4.5	2200	230V	1 ph	30	9.5	axial	1725	393,000	49 x 24 x 48 57 x 40 x 64	695 / 865
1.109-770.0	HDS 3.5/30 Ea ST LP	3.5	3000	230V	1 ph	27	9.5	axial	1725	310,000	49 x 24 x 48 57 x 40 x 64	695 / 865
1.109-783.0	HDS 5.0/30 Eb ST LP	5	3000	230V	3 ph	27	11	axial	1725	398,000	49 x 24 x 48 57 x 40 x 64	700 / 870
1.109-784.0	HDS 5.0/30 Ec St LP	5	3000	460V	3 ph	19	11	axial	1725	398,000	49 x 24 x 48 57 x 40 x 64	700 / 870

### Simple to configure with “Easy-Add” option kits

Order No.	Description
2.744-008.0	Remote Kit single station
6.685-195.0	Chemical solenoid valve (brass) for use with remote kit
8.708-846.0	Chemical solenoid valve (stainless steel) for use with remote kit
9.801-040.0	Draft diverter, 10”
8.753-474.0	Damper, draft 10”

## Hot Water | Gas Powered | Diesel Heated



### Classic HDS Pe Cage

These durable, skid-mounted models are designed for optimum cleaning performance at remote locations and feature Kärcher's unique 12V downdraft burner system. The highly compact burner is more than 92% efficient, resulting in better heat transfer using much less fuel. They feature belt-drive crankcase-style pumps. Certified to UL and CSA safety standards.



#### Powerful and durable

- Industrial-duty, tri-plunger, oil-bath, belt-drive Kärcher KT pump with 7-year warranty, brass pump head, and Tru-Trak belt adjustments; operates at a low RPM for low-maintenance operation and long life.
- Heavy-gauge 1 1/4" steel frame with powder coat finish for all-weather protection; with vibration isolators and forklift guides.
- Reliable gas-powered engines with electric start.
- Proprietary scale inhibiting system prevents build-up of mineral deposits inside the coil.
- Rust-free 11 gal. Polyethylene diesel and gasoline tanks for hours of uninterrupted operation.
- Warning lights monitor fuel and scale inhibitor levels; low-fuel shut-off protects fuel pump.

#### Smart features

- Kärcher's 92% efficient top-fired burner delivers more heat from less fuel for the lowest operating costs in the industry.
- Detergent metering valve allows for infinitely variable application of soap while washing in high-pressure mode.
- 50' Kärcher high-pressure steam hose rated for 311°F connects to the gun with an integrated swivel connection.
- Infinitely variable operating pressure, water volume, temperature control, and detergent metering.
- Unsurpassed Kärcher safety features include pressure switches, rupture disk, low-water and low-fuel protection that shuts down burner when incoming water and fuel are insufficient or interrupted.
- Ergonomically designed soft-grip Easy Press trigger gun minimizes operator fatigue.



## Technical Data and Equipment

### HDS 4.0/32 Pe Cage

### HDS 5.0/32 PE Cage

### HDS 5.5/35 Pe Cage

- Rugged frame construction
- Reliable belt-drive crankcase pumps
- Compact and highly-efficient burner
- Low-fuel cut off
- Anti-scale system
- Electric start engines

#### Technical Data

		HDS 4.0/32 Pe Cage	HDS 5.0/32 PE Cage	HDS 5.5/35 Pe Cage
<b>GPM</b>		4.0	5.0	5.5
<b>PSI</b>		3200	3200	3500
<b>Engine</b>		Honda GX390	Vanguard 16	Honda GX630
<b>CC</b>		389	479	688
<b>Drive</b>		Belt	Belt	Belt
<b>Pump</b>		Kärcher KT	Kärcher KT	Kärcher KT
<b>Ship Weight</b>	<b>lbs.</b>	692	762	741
<b>Dimensions (L x W x H)</b>	<b>inches</b>	51 x 33 x 43	51 x 33 x 43	51 x 33 x 43
<b>Order No.</b>		<b>1.575-615.0</b>	<b>1.575-616.0</b>	<b>1.575-617.0</b>

## Cold Water | Electric Powered



### The compact class – fast and thorough.

These reliable, compact all-rounders offer the benefits of low weight, compact dimensions, easy handling and high cleaning performance. Ideal for workshops, courtyards, etc.



#### 1 EASY Press hand spray gun

- Ergonomic design for ease of use.
- EASY press trigger for fatigueless use.
- With soft grip for greater comfort.

#### 2 Telescopic push handle

- Large aluminium profiles provide stability and good manoeuvrability.
- Holds accessories in the extended position.
- Retracts for convenient, space-saving transport, such as in service vehicles or compact cars.

#### 3 Outstanding mobility

- For rapid cleaning at different locations.
- Space-saving storage in service vehicles.
- Fast set-up thanks to integrated storage options.

#### 4 Automatic pressure cut-off

- Switches off immediately when work is interrupted.
- For reduced energy and water consumption.

# Technical Data and Equipment



**HD 1.8/13 C Ed**



**HD 2.3/15 C Ed\***



**HD 3.0/20 C Ea**

- No fossil fuel emissions or fumes
- Ergonomic design
- Low-pressure soap injection system
- Complete trigger shut off
- Triple changeover nozzle
- ETL certified to UL and CSA standards

**Technical Data**

<b>GPM</b>		1.8	1.0-2.3	1.1-3.0
<b>PSI</b>		1300	435	300-2000
<b>HP</b>		2.2	3.2	5.2
<b>Electrical</b>		120V / 1ph	120V / 1ph	240V / 1ph
<b>Amps</b>		15	20	20
<b>Pump</b>		Kärcher axial	Kärcher axial	Kärcher axial
<b>Trigger Gun</b>		Extended Trigger Gun	Easy Press	Easy Press
<b>Variable Flow</b>			■	■
<b>Ship Weight</b>	<b>lbs.</b>	63	68	68
<b>Dimensions (L x W x H)</b>	<b>inches</b>	15 x 14 x 37	15 x 14 x 37	15 x 14 x 37
<b>Order No.</b>		<b>1.514-136.0</b>	<b>1.150-626.0</b>	<b>1.150-625.0</b>

\* Servo Control not an option

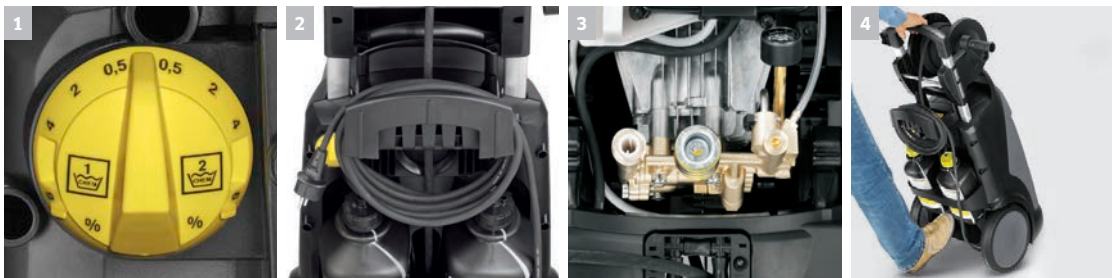
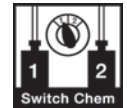


## Cold Water | Electric Powered



### Medium class – excellent features.

These medium class machines are extremely mobile and user-friendly with low-speed four-pole single or three-phase motors for continuous use.



#### 1 CHEM switch

- Unique CHEM switch system allows operator to switch between two on-board detergent tanks without interruption; includes precise two-way metering valve to accurately vary detergent volume.
- Easy cleaning agent bottle changeover.

#### 2 Smart features

- Rear cable/hose rack provides added convenience.
- Kink-free, 33-ft. high-pressure hose is easy to wind, with integrated connection inside the gun which swivels under full pressure.
- Integrated lance holder for easy transport.
- Parking position for short breaks.

#### 3 Powerful and durable

- Robust, three-piston axial pumps features detergent-resistant brass cylinder head and stainless valves; pumps is protected by pressure switch and over flow valve.
- Built-in motor protection against voltage fluctuations and excessive temperatures
- Single-phase unit features ground-fault circuit interrupter (GFCI) for operator safety
- Low-speed, 4-pole, air-cooled motor runs quieter and cooler than conventional motors thus prolonging its service life
- Ceramic-coated piston.

#### 4 Outstanding mobility

- Large wheels for uneven surfaces.
- Upright design for easy, ergonomic transport.
- Integrated tilting aid at the rear.

# Technical Data and Equipment

## HD 3.0/20-4M Ea\*

- No fossil fuel emissions or fumes
- Ergonomic design
- Low-pressure soap injection system
- Complete trigger shut off
- Triple changeover nozzle
- Comes with variable flow ServoPress gun
- ETL certified to UL and CSA standards

### Technical Data

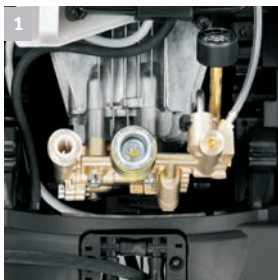
<b>GPM</b>		1.3-3.0
<b>PSI</b>		435-2000
<b>HP</b>		4.7
<b>Electrical</b>		220-240V / 1ph
<b>Amps</b>		20
<b>Pump</b>		Kärcher axial
<b>Ship Weight</b>	<b>lbs.</b>	105
<b>Dimensions (L x W x H)</b>	<b>inches</b>	18 x 16 x 40
<b>Order No.</b>		<b>1.524-126.0</b>

## Cold Water | Electric Powered



### Super class – perfect for tough jobs in non-stop use.

Where vast amounts of dirt accumulate every day, reliable Kärcher super class models provide indispensable services. Ideal for use in the construction, agricultural and forestry sectors as well as industry and municipal facilities.



#### 1 Powerful and durable

- Robust, three-piston axial pumps features detergent-resistant brass cylinder head and stainless valves; pumps is protected by pressure switch and over flow valve.
- Built-in motor protection against voltage fluctuations and excessive temperatures
- Single-phase unit features ground-fault circuit interrupter (GFCI) for operator safety
- Low-speed, 4-pole, water-cooled motor runs quieter and cooler than conventional motors thus prolonging its service life
- Ceramic-coated piston.

#### 2 Smart features

- Rear cable/hose rack provides added convenience.
- Kink-free, 33-ft. high-pressure hose is easy to wind, with integrated connection inside the gun which swivels under full pressure.
- Integrated lance holder for easy transport.
- Parking position for short breaks.

#### 3 Outstanding mobility

- Large wheels for uneven surfaces.
- Upright design for easy, ergonomic transport.
- Integrated tilting aid at the rear.



# Technical Data and Equipment



**HD 3.5/30-4S Ea\*\***



**HD 3.7/22-4S Eg\*\***



**HD 4.5/32-4S Eb\*\***



**HD 4.5/32-4S Ec\*\***

- No fossil fuel emissions or fumes
- Ergonomic design
- Low-pressure soap injection system
- Complete trigger shut off
- Triple changeover nozzle
- Comes with variable flow ServoPress gun
- ETL certified to UL and CSA standards

**Technical Data**

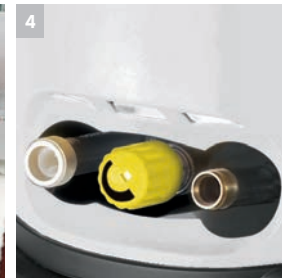
<b>GPM</b>	1.8-3.5	1.8-3.7	2.2-4.5	2.2-4.5
<b>PSI</b>	435-3000	435-2200	435-3200	435-3200
<b>HP</b>	9	6.9	10	10
<b>Electrical</b>	220-240V / 1ph	200-208V / 1ph	230V / 3ph	460V / 3ph
<b>Amps</b>	30	30	30	16
<b>Pump</b>	Kärcher axial	Kärcher axial	Kärcher axial	Kärcher axial
<b>Ship Weight</b> <b>lbs.</b>	168	158	182	182
<b>Dimensions</b> <b>inches</b> (L x W x H)	22 x 20 x 43	22 x 20 x 43	22 x 20 x 43	22 x 20 x 43
<b>Order No.</b>	<b>1.286-127.0</b>	<b>1.286-115.0</b>	<b>1.286-128.0</b>	<b>1.286-129.0</b>

## Cold Water | Electric Powered



### Compact food class – for strict hygiene requirements.

Cold water high-pressure cleaner for all-purpose industrial use in the sanitary/food industry. This top-of-the-range machine from the compact class allows you to regulate pressure and water quantity seamlessly.



#### 1 Convenient Easy Press

- Ergonomic design for convenient operation.
- Reduced exhaust and retention force for effortless operation.
- Soft grip surface for a secure grip.

#### 2 High standard of hygiene

- Food-safe, non-marking high-pressure hose.
- Wear-resistant and non-marking grey wheels.
- Accepts inlet water at temperatures up to 180°F.

#### 3 Practical detergent system

- Cleaning agent intake system for removing stubborn dirt.
- The "Inno Foam Set" high-pressure foam system can be used.

#### 4 Variable pressure and water flow regulation

- Directly on the machine.
- Gentle cleaning of sensitive surfaces.

## Technical Data and Equipment

### HD 2.3/14 C Ed Food

- No fossil fuel emissions or fumes
- Ergonomic design
- Low-pressure soap injection system
- Complete trigger shut off
- Triple changeover nozzle
- ETL certified to UL and CSA standards

#### Technical Data

<b>GPM</b>		2.3
<b>PSI</b>		1400
<b>HP</b>		3.2
<b>Electrical</b>		120V / 1ph
<b>Amps</b>		20
<b>Pump</b>		Kärcher axial
<b>Ship Weight</b>	<b>lbs.</b>	68
<b>Dimensions (L x W x H)</b>	<b>inches</b>	15 x 14 x 37
<b>Order No.</b>		<b>1.150-629.0</b>

## Cold Water | Gas Powered | Direct Drive



**FREE**  
Hose Reel on  
Select Models

### HD Handtruck Design

This series of commercial-duty, gas-powered cold water pressure washers offers the ideal balance between professional performance and value. Powered by reliable Honda engines, all four models have Kärcher's German-engineered, direct-drive axial pump, rugged steel frame with handtruck design, tubed pneumatic tires and 50' of commercial-duty hose.



#### Powerful and durable

- Rugged steel frame and power platform, with easy-to-manuever handtruck design, is painted with a black, wrinkle-coat finish for all-weather protection.
- Reliable Honda engine with two-year warranty, low-oil alert and silent-tone muffler; 9 and 13 HP models have an EZ-start valve for resistance-free pull starting of engine.
- Three-piston, direct-drive Kärcher axial pump with unique swash plate design has fewer moving parts for a highly efficient, smooth and quiet operation; brass cylinder head ensures extra durability and extended life.
- 50' durable wire braid hose
- Inlet strainer protects pump from debris in the water source.
- Top-mounted 100' hose reel (comes standard only on machines more than 3,000 PSI).

#### Smart features

- Easy-to-attach downstream detergent injector with brass soap nozzle.
- Four conveniently mounted, quick-couple spray nozzles for varying fan spray.
- Insulated, high-pressure trigger gun for hours of fatigue-free cleaning.

#### Outstanding mobility

- 10" tubed pneumatic tires for easy maneuvering on all terrains and to absorb vibration; front-mounted rubber feet also absorb vibration and keep the unit from "walking" during operation.
- Upright design for easy, ergonomic transport.



# Technical Data and Equipment

**HD 2.5/24 P**

**HD 2.6/26 P**

**HD 3.1/31 P**

**HD 4.0/36 P**

- Reliable Honda engines
- Kärcher axial pump
- Reinforced upright steel frame
- Unmatched value

■ includes 100' hose reel

■ includes 100' hose reel

**Technical Data**

<b>GPM</b>	2.5	2.6	3.1	4.0
<b>PSI</b>	2400	2600	3100	3600
<b>Engine</b>	Honda GC160	Honda GC190	Honda GX270	Honda GX390
<b>CC</b>	160	187	270	389
<b>Pump</b>	axial	axial	axial	axial
<b>Ship Weight</b>	<b>lbs.</b> 148	155	166	180
<b>Dimensions (L x W x H)</b>	<b>inches</b> 35 x 21 x 24	35 x 21 x 24	24 x 32 x 43	24 x 32 x 43
<b>Order No.</b>	<b>1.575-105.0</b>	<b>1.575-106.0</b>	<b>1.575-107.0</b>	<b>1.575-108.0</b>

**Options (field installed)**

Product name	Order No.	Description
100' Non-pivot Hose Reel	9.801-253.0	100' non-pivot hose reel, hose not included

## Trailer Systems | Customized Mobile Packages

### TRK-2500

Kärcher's TRK-2500 pressure washer trailer is designed to accommodate a variety of pressure washer skids. This trailer package is rugged, affordable, versatile, and easy to ship and store.

The TRK-2500 is made of rugged 10-gauge steel. The wheel and axle assembly features leaf-spring suspension of up to 3,500 lbs. The 39-inch tongue features a swing-away hinge that saves on storage space.

#### Customizing your trailer package is easy:

- Step 1: Select a compatible Kärcher pressure washer from page 18.
- Step 2: Customize your trailer with a broad selection of options and accessories, such as hose reels, electric or hydraulic brakes, etc.



#### 1 Easy storage and shipping

- Swing-away hinge makes for easy storing and shipping.



Shown with optional Liberty Series hot water pressure washer skid

#### 2 Convenience Options

- Hose reel, utility rack and saddle box options available.

# Technical Data and Equipment

## TRK-2500

- Includes electric start engine and battery
- Electrical wiring recessed within tubular frame;
- Lighted license plate holder and recessed tail lights;
- 1,000 lb. swivel jack with a 2-inch ball coupler for quick and easy hook up of the trailer;
- 3-way ball valve for easy switching of the water flow from the holding tank to a faucet;
- High-density, polyethylene 200-gallon water tank with a 12-inch access port, 1 1/2-inch drain valve, 3/4-inch float valve and a 50-mesh inlet filter; and two 5/16-inch chains for additional safety.

### Technical Data

<b>Axle</b>		Single
<b>Gross Vehicle Weight Rating (GVWR)</b>	<b>lbs.</b>	3500
<b>Water Tank</b>	<b>gallons</b>	200
<b>Ship Weight</b>	<b>lbs</b>	1072
<b>Order No.</b>		<b>1.103-819.0</b>

### Options

Product name	Order No.	Description
Classic Series Skid Mounting Kit	8.917-296.0	Classic Series Skid Mounting Kit (Required for mounting pressure washer to trailer)

### Options (field installed)

Saddle Box	8.917-558.0	Saddle Box (each)
Rock Guard	8.917-559.0	Rock Guard
Utility Rack	8.917-560.0	Utility Rack

### Options (factory installed)






Electric Brakes	8.917-397.0	Electric Brakes
Electric Brake Breakaway Kit	8.917-553.0	Electric Brake Breakaway Kit
Hydraulic Brakes	8.917-398.0	Hydraulic Brakes
High Pressure Hose Reel	8.917-554.0	High Pressure Hose Reel
Low-Pressure Hose Reel	8.917-555.0	Low-Pressure Hose Reel
Rock Guard	8.917-557.0	Rock Guard

# Detergents



## Cleaning detergents for pressure washers.

Kärcher's cleaning detergents for pressure washers can optimize cleaning results while reducing cleaning time. Whether they lower energy consumption or reduce drain water pollution, they are ideal for use in industry, trade and food processing.

Product description	Application	Primary mixture	Properties	Order No.	Container	Ship weight lbs.
<b>General cleaners</b>						
 <p>KD-100 All-Purpose Cleaner is a non-caustic, butyl-based blend of ingredients formulated to provide a low-foaming detergent for safe removal of dirt and grime off a broad range of surfaces around the home or shop. It is formulated to pass through a pressure washer without damaging the high-pressure pump. Furthermore, it is safe to use on aluminum, stainless steel, glass, plastic, paint and fine automotive finishes.</p>	General Purpose	130:1	Biodegradable	9.803-789.0	5 gal pail	47
				9.803-791.0	55 gal drum <sup>1)</sup>	495
 <p>KD-120 All-Purpose Cleaner is a high-powered, non-caustic, general purpose cleaner with a bleach additive for extra-effective cleaning of floors, walls, cabinets, ceilings, pens and crates in a variety of applications, particularly kitchens, food processing and animal control. The chlorinated formula of KD-120 attacks stains, dirt, soils with carbon, oils, fats and greases plus removes mildew, mold, soap scum and tough odors. It's safe on aluminum, stainless steel, glass, plastic and paint. NSF registered for use in Federally inspected food plants.</p>	Kitchens	60:1	Biodegradable	9.803-712.0	5 gal pail <sup>1)</sup>	46
 <p>KD-130 General Purpose Cleaner is effective on grease and grime while safe for most surfaces including plastic, aluminum, glass, chrome and painted surfaces. Makes 45 gallons of cleaning solution.</p>	General Purpose	1:2	Biodegradable	8.698-086.0	1 gal <sup>1)</sup>	
 <p>KD-110 House and Deck Wash is a safe and effective outdoor house, siding and deck wash. Won't harm most vegetation when used correctly. Makes 45 gallons of cleaning solution.</p>	House and Deck	1:2	Biodegradable	8.698-087.0	1 gal <sup>1)</sup>	
<b>Vehicle cleaners</b>						
 <p>KD-200 Extra-Strength Vehicle Cleaner is concentrated, non-butyl, heavy duty vehicle wash formulated to quickly and effectively remove dirt, grime, grease and road film from vehicles. It is distinguished by a special alcohol ingredient that helps restore old vehicle painted surfaces and can even give paint a "newly waxed" appearance. KD-200 is ideal for vehicle wash facilities where it can be used on tractor-trailers, heavy equipment, shop floors, metal or plastic tanks, RVs, trucks, and autos.</p>	Vehicles	120:1		9.803-720.0	5 gal pail <sup>3)</sup>	45
				9.803-750.0	55 gal drum <sup>2)</sup>	496
				9.800-802.0	5/55 labels	
				9.803-721.0	Mix kit, 1-pack	

<sup>1)</sup> Cannot be shipped via UPS

<sup>2)</sup> Hazmat product and cannot be shipped via UPS

<sup>3)</sup> Hazmat product (UPS shipments are subject to UPS Hazmat fee)











	Product description	Application	Primary mixture	Properties	Order No.	Container	Ship weight lbs.
<b>Vehicle cleaners</b>							
	<p>KD-240 Super-Strength Vehicle Cleaner is a low-alkaline, butyl-based degreaser detergent designed for the toughest of vehicle cleaning tasks. This special emulsifying formula contains high-powered cleaning agents for attacking grease, baked-on grime, road film and smoke trails. It is excellent as a pre-spray for cleaning engines, whitewall tires and vinyl and metal tops. KD-240 is biodegradable and contains Kärcher's exclusive pump and coil protection formula.</p>	Vehicles	150:1		9.803-724.0	5 gal pail <sup>3)</sup>	47
					9.803-754.0	55 gal drum <sup>2)</sup>	506
	<p>KD-260 Heavy-Duty Vehicle Cleaner with wax is a highly concentrated vehicle cleaner that produces rich suds to increase dwell time and deep clean any vehicle surface. This formula is highly effective in removing road film and grime, yet is safe enough for use on polished aluminum. The wax additive gives KD-260 the extra performance feature that produces an attractive finish and shine for your vehicle. It also helps prevent dirt from adhering to the surface and reduces water spotting.</p>	Vehicles	150:1	Biodegradable	9.803-726.0	5 gal pail <sup>3)</sup>	48
					9.803-758.0	55 gal drum <sup>2)</sup>	517
					9.800-805.0	5/55 labels	
					9.846-052.0	Mix kit**	
	<p>KD-210 Vehicle Wash cleans cars, trucks, RVs, trailers, boats and rigs. Penetrates and loosens soil for effective and safe removal with a pressure washer. Makes 75 gallons of cleaning solution.</p> <p>NSF registered for use in Federally inspected food plants.</p>	Vehicles	1:4	Biodegradable	8.698-089.0	1 gal <sup>1)</sup>	46
<b>Degreasers</b>							
	<p>KD-300 General Purpose Liquid Cleaner-Degreaser is a highly concentrated, non-caustic degreaser ideal for cleaning and removing oil and grease from vehicles and equipment in many applications. Based on its foaming properties, KD-300 works great with cold water pressure washers. Its non-caustic properties make it safe on fine automotive finishes and is especially effective in removing hard-to-clean hydrocarbon-based deposits, such as baked-on carbon, caked-on axle grease and even asphalt or tar.</p>	Degreaser	150:1		9.803-730.0	5 gal pail <sup>3)</sup>	47
	<p>KD-320 Heavy-Duty Cleaner-Degreaser is a heavy-duty, non-butyl, non-caustic degreaser that quickly penetrates and removes grime, oil and grease in a variety of applications, including vehicles, equipment, RVs, drilling rigs, trucks and other structures. This high-concentrated blend is formulated to wet, penetrate and suspend soil, oils and grease and yet is safe to use indoors or outdoors on virtually every surface, including aluminum, stainless steel, glass, plastic, paint and fine automotive finishes.</p>	Degreaser	150:1		9.803-732.0	5 gal pail <sup>3)</sup>	48
					9.803-772.0	55 gal drum <sup>2)</sup>	505
	<p>KD-330 Brown Soap Cleaner-Degreaser is an extra-strong, caustic-based cleaner and degreaser. It is ideal for cleaning heavy equipment, over-the-road vehicles and off-road machinery. This non-butyl detergent has just enough caustic to provide excellent cleaning horsepower while displaying the properties and usability of a non-caustic detergent. It is especially effective cleaning exhaust stains, road grime and heavy deposits of dirt and oil.</p>	Degreaser	50:1	Biodegradable	8.916-134.0	5 gal pail <sup>3)</sup>	42
					8.916-140.0	55 gal drum <sup>2)</sup>	515
					8.916-133.0	5/55 labels	
					9.846-048.0	Mix kit, 9-pack <sup>2)</sup>	
	<p>KD-340 Extra Heavy-Duty Cleaner-Degreaser is an highly concentrated, butyl-based degreaser designed for the toughest of vehicle cleaning tasks. The high-caustic formula has proven to be extra-effective in cleaning heavy equipment and off-road vehicles. It has the cleaning horsepower to remove heavy deposits of oil, grease as well as fifth wheel grease, hydraulic oils and diesel smoke stains.</p>	Degreaser	128:1	Biodegradable	9.803-734.0	5 gal pail**	48
					9.803-739.0	55 gal drum*	515
					9.800-808.0	5/55 labels	
					9.846-056.0	Mix kit, 9-pack <sup>2)</sup>	
					9.846-055.0	Mix kit, 1-pack <sup>3)</sup>	

<sup>1)</sup> Cannot be shipped via UPS

<sup>2)</sup> Hazmat product and cannot be shipped via UPS

<sup>3)</sup> Hazmat product (UPS shipments are subject to UPS Hazmat fee)

DETERGENTS

	Product description	Application	Primary mixture	Properties	Order No.	Container	Ship weight lbs.
<b>Degreasers</b>							
	KD-360 Super-Duty Cleaner-Degreaser is a highly concentrated and caustic, non-toxic degreaser that will tackle the toughest of cleaning tasks. It is extremely effective in removing the most difficult-to-clean oil, grease and hydrocarbon-based deposits. It cuts grease, grime, oil, burnt carbon and exhaust trails quickly and can even be used on everything from vent hoods and ovens to engine blocks, heavy equipment and concrete floors. Do not use on aluminum, magnesium, galvanized metal or fine painted surfaces.	Degreaser	1:4	Biodegradable	9.803-736.0	5 gal pail <sup>3)</sup>	58
					9.803-779.0	55 gal drum <sup>3)</sup>	632
	KD-310 Equipment & Concrete Cleaner quickly and efficiently removes heavy grease from equipment and machinery as well as concrete surfaces. Concentrated formula makes 75 gallons of cleaning solution.	Degreaser	1:4	Biodegradable	8.698-090.0	1 gal <sup>1)</sup>	
<b>Specialty cleaners</b>							
	RM 110 RTU (Ready to Use) is a multi-component product made from heat-resistant organic and inorganic salts. Its stabilizing action on the minerals, which cause hardness in water, is based on its capacity to impede the growth of mineral deposits thus extending both the life of a heating coil and the time between acid cleanings. For units with output of 2.1-3.5 GPM Set pulse generator at 32-55 seconds. For units with output of 3.5-5.3 GPM Set pulse generator at 10-50 seconds.	Scale Inhibitor			9.556-111.0	4 x 1-gal	37
					8.698-058.0	12 x 1-quart	30
					9.556-011.0	5 gal pail	46
	RM 99 Solar Cleaner is specially formulated for cleaning solar and photovoltaic systems, and it's perfectly adapted to their unique surfaces. It is highly efficient, gentle on materials, biodegradable and removes even stubborn and greasy stains. It prevents the formation of limescale and maximizes the effectiveness of the system at minimum cost.	Solar cleaner	150:1	Biodegradable	8.698-094.0	5 gal (18.9 L)	
	KD-110 Paint Prep provides a clean, paint-ready surface for professional results. Low foaming concentrate makes 180 gallons of cleaning solution.	Cleaner		Biodegradable	8.698-088.0	1.5 lb. <sup>1)</sup>	
<b>Aluminum brightener &amp; coil cleaners</b>							
	KD-460 Super-Strength Aluminum Brightener is an extrastrength, acid-based, aluminum brightener designed to tackle the toughest cleaning of truck trailers, aluminum wheels and for preparing aluminum for painting. Do NOT use on glass, polished aluminum or anodized aluminum. It uses ammonium bifluoride, not hydrofluoric acid, and is non-fuming, yet effective in removing grease, oils, baked-on carbon and diesel smoke.	Brightner	5:1-20:1	Biodegradable	9.803-746.0	5 gal pail <sup>2)</sup>	50
					9.803-747.0	55 gal drum <sup>2)</sup>	537
	KD-480 Polished Aluminum Cleaner is a concentrated, nonetching detergent formulated to quickly penetrate and remove grease, grime, dirt, road film and welding smut from polished aluminum and stainless steel surfaces. This ready-to-use, precise blend of acids, inhibitors and surfactants is biodegradable and is a medium-foaming product that should be applied without dilution.	Cleaner	Undiluted	Biodegradable	9.803-748.0	5 gal pail <sup>3)</sup>	48
					9.803-749.0	55 gal drum <sup>1)</sup>	521
	KD-420 Acid-Based Coil Cleaner is a powerful, acid-based coil cleaner that effectively attacks rust and hard water deposits in pressure washer hot water coils. KD-420 does not contain mineral acids, such as hydrochloric (muriatic), sulfuric and hydrofluoric acids that are commonly used in other coil conditioners. Even though it is acid-based, KD-420 is formulated so it can safely pass through a pressure washer without damaging the high-pressure pump. Do NOT use on aluminum or tin.	Coil cleaner	16:1	Biodegradable	9.803-742.0	12 x 2 lbs.*	28

\*\* UPS ground limited qty.

<sup>1)</sup> Cannot be shipped via UPS

<sup>2)</sup> Hazmat product and cannot be shipped via UPS



<sup>3)</sup> Hazmat product (UPS shipments are subject to UPS Hazmat fee)

# Graffiti remover



## Easy-to-apply liquid formulas.

Kärcher Graffiti Remover products are easy-to-apply liquid formulas with deep penetrating action designed for use on many surfaces. There are three strong, fast-acting product formulations that safely penetrate and loosen the graffiti making it easy to remove. No extended soak time is needed and Kärcher Graffiti Remover can be applied and re-applied to wet surfaces without waiting to dry first, as is the case with other graffiti removers.

Product description	Application	Primary mixture	Properties	Order No.	Container	Ship weight lbs.
<b>Graffiti removers</b>						
 <p>Brick, Masonry &amp; Concrete Cleaner re-liquefies and dissolves spray paint and marker tracks within seconds. No extended soak time is needed and it can be re-applied to wet surfaces as needed, without waiting for the surface to dry.</p> <p>Removes graffiti in 90 seconds or less.</p>	Brick Masonry Concrete	1:4	Biodegradable	8.698-039.0	Case of 4 x 1-gal jugs <sup>2)</sup>	
				8.698-040.0	Case of 12 x 1-qt. bottles <sup>2)</sup>	
<b>Pump guard</b>						
 <p>Kärcher Pump Guard provides freeze protection down to -25°F. Kärcher's environmentally friendly Pump Guard is specifically formulated to prolong the life of your pressure washer. This specially formulated solution will protect your pressure washer from corrosion, premature wear and freezing (down to -25° F). It also adds lubrication to your pressure washer's valves and seals to prevent sticking in the future and provides superior protection over using anti-freeze alone.</p>	Pump guard			9.558-998.0	16 oz.	1

<sup>1)</sup> Cannot be shipped via UPS

<sup>2)</sup> Hazmat product and cannot be shipped via UPS

<sup>3)</sup> Hazmat product (UPS shipments are subject to UPS Hazmat fee)









**makes a difference**

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