



HDS 9/16-4 ST Gas

Stationary gas-fired hot water high-pressure cleaner



1 Water-cooled 4-pole electric motor (oil-heated)

- Long service life.
- Improved efficiency.

2 Burner technology (oil-heated)

- High heat output.
- Spiral heating coil for a compact design.



HDS 9/16-4 ST Gas

- Dry running protection
- Surface-type burner technology
- Water-cooled stainless steel boiler with built-in stainless steel heater coil

Technical data

Order Number		1.251-900.0
EAN code		4054278169354
Current type	Ph / V / Hz	3 / 400 / 50
Fuse protection	A	min. 16
Flow rate	l/h	500-960
Pressure	bar / MPa	30-160 / 3-16
Max. temperature	°C	98
Power rating	kW	6,4
Consumption, heating oil/gas	m³/h	7,2
Weight	kg	160
Dimensions (L x W x H)	mm	1110 × 565 × 970

Equipment

SDS system	■
System pressure relief	■
Flame monitor	■
Ready for Servo Control	■
Ready for remote control	■

■ Included in delivery.

ACCESSORIES FOR HDS 9/16-4 ST GAS

1.251-900.0

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		Order Number	ID	Max. working pressure	Length		Price	Description
Standard with unions on both sides								
High-pressure hose, 30 m DN 8, including rotary coupling	1	6.110-014.0	ID 8	315 bar	30 m			With rotary coupling, 2 x M 22 x 1.5
High-pressure hose, 15 m DN 10, 220 bar, extension	2	6.110-042.0	ID 10	220 bar	15 m			15 m high-pressure hose M 22 x 1.5) with kink protection and threaded couplings at both ends. Further data: DN 10/155°C/220 bar.
High-pressure hose, 20 m DN 10, 220 bar, extension	3	6.110-043.0	ID 10	220 bar	20 m			with union on both sides, M 22 x 1.5 with anti-kink protection. NW 10/155°C/220 bar
High-pressure hose, 25 m DN 10, extension, not rotatable	4	6.110-044.0	ID 10	220 bar	25 m			
Hose assembly premium DN12 21MPa 15m	5	6.110-059.0	ID 12	210 bar	15 m			High-pressure hose for water volumes greater than 1,800 l/h. With union on both sides. 2x M 22 x 1.5 with anti-kink protection.
Hose assembly premium DN12 21MPa 40m	6	6.110-060.0	ID 12	210 bar	40 m			
Longlife 400 with unions on both sides								
High-pressure hose Longlife 400, 30 m DN 8, including rotary coupling	7	6.110-023.0	ID 8	400 bar	30 m			With rotary coupling, 2 x M 22 x 1.5
High-pressure hose Longlife 400, 20 m, DN 8, extension	8	6.110-027.0	ID 8	400 bar	20 m			with rotary coupling, 2 x M 22 x 1.5
High-pressure hose Longlife 400, 15 m, DN 8, including rotary coupling	9	6.110-029.0	ID 8	400 bar	15 m			With rotary coupling, 2 x M 22 x 1.5
High-pressure hose 1.5 m, DN 8, including connectors	10	6.110-024.0	ID 8	400 bar	1.5 m			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).
	11	6.110-069.0	ID 8	400 bar	1.5 m			
High-pressure hose packaged	12	6.110-038.0	ID 8	400 bar	10 m			
Food industry version with unions on both sides								
High-pressure hose, 10 m ID 8, suitable for food industry, extension piece	13	6.110-051.0	ID 8	250 bar	10 m			10 m high-pressure hose (DN 8) with patented (rotating) AVS trigger gun connector. Non-discolouring outer layer for use in the food industry. M 22 x 1.5 with anti-kink sleeve.
High-pressure hose, 20 m ID 8, suitable for food industry, extension piece	14	6.110-052.0	ID 8	250 bar	20 m			20 m high-pressure hose (DN 8) with swivel coupling. Non-discolouring outer layer for use in the food industry. Connectors at both ends, M 22 x 1.5, with kink protection. NW 8/155°C/250 bar.
Longlife food industry version with unions on both sides								
High pressure hose food DN 8 / 10 m	15	6.110-053.0	ID 8	400 bar	10 m			Longlife HP hose for use in the food industry. Außendecke## animal-grease-resistant, non-colour-bleeding material. With rotary coupling, 2 x M 22 x 1.5
High-pressure hose Longlife 400, 15 m, ID 6, AVS trigger gun connection	16	6.110-054.0	ID 8	400 bar	20 m			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)

□ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 9/16-4 ST GAS 1.251-900.0

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		Order Number	Flow rate	Nozzle size	Diameter	Price	Description	
Hard surface cleaner FR 30 ME								
FR 30 ME surface cleaner	1	2.111-013.0			300 mm		Hot water resistant stainless steel surface cleaner with double ceramic bearings, non-marking swivel castors and suction hose connection. Ideal for indoor cleaning, e.g. food industry.	<input type="checkbox"/>
Hard Surface Cleaner FR 50								
FR 50 surface cleaner	2	2.111-023.0			500 mm		Hot water resistant stainless steel surface cleaner with 500 mm working width. Ideal for large areas. With double ceramic bearings, push handle, non-marking swivel castors and detergent dosing system.	<input type="checkbox"/>
Machine-specific nozzle kit for FR								
Nozzle kit for surface cleaners (type-specific) 850 - 1100 l/h	3	2.640-442.0	850-1100 l/h				Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (850 to 1100 l/h).	<input type="checkbox"/>
Machine-specific nozzle kits for FRV								
Nozzle pack 080	4	2.642-982.0		80				<input type="checkbox"/>
Hard surface cleaner FRV 30 Me								
Suction hose FRV 30 me	5	4.441-040.0						<input type="checkbox"/>
FRV 30 ME	6	2.111-012.0						<input type="checkbox"/>
Surface Cleaner FR 50 Me								
	7	2.111-024.0						<input type="checkbox"/>

☐ Available accessories. ▲ Extension hose.

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		Order Number						Price	Description	
Nozzle union										
Protection part TR only for replacement	1	4.112-011.0								<input type="checkbox"/>
Coupling parts										
	2	6.987-705.0								<input type="checkbox"/>
Rotary coupling										
Rotary coupling	3	4.111-021.0							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.	<input type="checkbox"/>
Coupling										
Coupler -2xM22x1,5	4	4.111-037.0							Brass double connector for connecting and extending high-pressure hoses. With rubber protection. Connector: 2x M 22 x 1.5 m.	<input type="checkbox"/>
Connector										
Nozzle connector/screw connector	5	4.111-022.0							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.	<input type="checkbox"/>
	6	4.111-038.0								<input type="checkbox"/>
Adapter EASY!Lock										
Adapter 1 M22AG-TR22AG	7	4.111-029.0								<input type="checkbox"/>
Adapter 2 M22IG-TR22AG	8	4.111-030.0								<input type="checkbox"/>
Adapter 3 M22IG-TR22AG	9	4.111-031.0								<input type="checkbox"/>
Adapter M22 - Swivel	10	4.111-032.0							M22 x 1.5female 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.	<input type="checkbox"/>
Adapter 5 TR22IG-M22AG	11	4.111-033.0								<input type="checkbox"/>
Adapter 6 TR22IG-M22AG	12	4.111-034.0								<input type="checkbox"/>
Adapter 7 M18IG-TR20AG	13	4.111-035.0								<input type="checkbox"/>
Adapter 8 TR20IG-M18AG	14	4.111-036.0								<input type="checkbox"/>
ADAPTER for replacement TR22IG-M22AG Er	15	4.111-046.0								<input type="checkbox"/>
HP detergent injector										
Detergent injector for high and low pressure (without nozzles)	16	4.637-032.0							Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	<input type="checkbox"/>
Detergent injector for high pressure	17	4.637-033.0							Cleaning agent dosage at high pressure 3 - 5 %	<input type="checkbox"/>
Machine-specific nozzle kit with order no. 3.637-170										
Machine-specific nozzle kit with order no. 3.637-170.0 750-1000 l/h	18	4.769-047.0							For HD/HDS 750 - 1000 l/h. Consists of nozzle insert + HP power nozzle + union	<input type="checkbox"/>
Nozzle insert with order no. 3.637-001										
Nozzle insert for Order No. 3.637-001, high-pressure for machines up to 1100 l/h.	19	4.769-003.0							Nozzle insert for detergent injector 3.637-001 for high-pressure detergent application. For high-pressure cleaners with a water flow rate up to 1100 l/h.	<input type="checkbox"/>
Low pressure for units rated up to 1100 l/h	20	4.769-001.0							For low pressure with machines up to 1.100 l/h	<input type="checkbox"/>

☐ Available accessories. ▲ Extension hose.

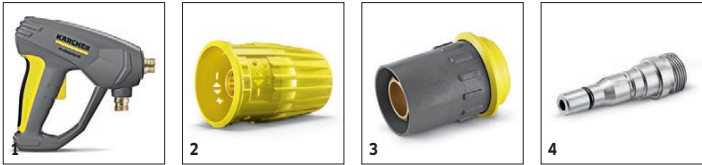
ACCESSORIES FOR HDS 9/16-4 ST GAS
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		Order Number	Nozzle size				Price	Description	
HP nozzle spray angle 0°									
High-pressure nozzle spray angle °0	1	2.113-036.0	60					Solid jet for very stubborn dirt and stains.	<input type="checkbox"/>
Power nozzle spray angle 15°									
Power nozzle spray angle 15°	2	2.113-048.0	60					Fan jet nozzle for stubborn dirt and stains.	<input type="checkbox"/>
Power nozzle spray angle 25°									
Power nozzle 25° spray angle	3	2.113-026.0	60						<input type="checkbox"/>

☐ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 9/16-4 ST GAS 1.251-900.0



		Order Number	Flow rate				Price	Description	
Trigger guns									
Extended easy press trigger gun	1	4.118-005.0						Extended easy press high-pressure trigger gun for high-pressure hoses with rotating connector.	<input type="checkbox"/>
Servo Control									
Servo control	2	4.118-008.0	750-1100 l/h						<input type="checkbox"/>
Quick connect									
Quick-fitting pipe union coupler trapezo	3	2.115-000.0							<input type="checkbox"/>
Quick-fitting pipe union plug nipple tra	4	2.115-001.0							<input type="checkbox"/>

☐ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 9/16-4 ST GAS 1.251-900.0

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		Order Number	Nozzle size				Price	Description	
Wet blasting attachment (without nozzle)									
Wet blasting attachment with flow control (without nozzles)	1	4.115-000.0						Paint, rust and scale removal made easy: Kärcher wet blasting attachment with flow control for adding blasting abrasive to the high-pressure jet.	<input type="checkbox"/>
Wet blasting attachment without flow control (nozzles not included)	2	4.115-006.0						Paint, rust and scale removal made easy: Kärcher wet blasting attachment with flow control for adding blasting abrasive to the high-pressure jet. Without flow control.	<input type="checkbox"/>
Nozzle pack for wet blasting attachment									
Nozzle pack TR wet jet set 0060	3	2.112-025.0	60						<input type="checkbox"/>
Boron carbide nozzle									
Boron carbide nozzle, for machines as of 1000 l/h	4	6.415-084.0	6 mm					In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.	<input type="checkbox"/>

☐ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 9/16-4 ST GAS
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		Order Number	Max. working pressure	Nozzle size	Diameter		Price	Description	
Pipe cleaning hose, ID 6									
Hose assembly TR pipe cleaning DN6 max.2	1	6.110-046.0	250 bar						<input type="checkbox"/>
Pipe cleaning hose, DN 6, 20 m, 220 bar	2	6.110-008.0	250 bar					20 m flexible high-pressure hose (DN 6) for cleaning pipes up to 220 bar (threaded connection for R 1/8 nozzle).	<input type="checkbox"/>
Hose assembly TR pipe cleaning DN6 max.2	3	6.110-047.0	250 bar						<input type="checkbox"/>

☐ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 9/16-4 ST GAS
1.251-900.0



		Order Number	Max. working pressure	Nozzle size			Price	Description	
Dirt blaster, large									
Dirt blaster - without changeover function	1	4.114-036.0	300 bar	55				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.	<input type="checkbox"/>

☐ Available accessories. ▲ Extension hose.

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		Order Number	Flow rate				Price	Description	
Cup foam lance									
Packing complete for 6.394-968.0	1	2.112-017.0							<input type="checkbox"/>
Tank 1L	2	6.414-954.0							<input type="checkbox"/>
Inno Foam Set									
Inno foam kit with detergent injector	3	2.112-000.0						High-pressure foam system with double lance (foam nozzle and high-pressure jet for rinsing). For use with mobile and stationary high-pressure and HDS pressure cleaners for cleaning or disinfection.	<input type="checkbox"/>
Easy Foam Set									
Easy Foam Set with RM injector	4	2.112-010.0						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. The machine specific nozzle kit has to be ordered separately.	<input type="checkbox"/>
Nozzle kits for Inno/Easy Foam Set									
Nozzle kit 090 Inno/Easy kit 700 - 1000 l/h	5	2.111-019.0	700-1000 l/h					Nozzle kit contains Kärcher power nozzles and nozzle inserts. For Inno/Easy-Foam set 700-1000 l/h. For optimal foam system performance.	<input type="checkbox"/>
Foam nozzle mounting kit									
Foam nozzle kit	6	2.112-013.0						Foaming agent kit. The foam nozzle is ideal for use in sanitary areas and the food industry and wherever long application times are necessary.	<input type="checkbox"/>

☐ Available accessories. ▲ Extension hose.

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		Order Number	Length					Price	Description	
Automatic, self-winding hose reels										
Add-on kit hose reel plastics	1	6.392-074.0	20 m						Automatic hose reel for 20 m high-pressure hose. The console is made from powder-coated steel, the drum is made from plastic.	<input type="checkbox"/>
Add-on kit hose reel	2	6.392-083.0	20 m						Automatic hose reel for 20 m high-pressure hose. The console consists of stainless steel, the drum is made from plastic.	<input type="checkbox"/>
Hose reel, automatic, 20 m, painted	3	6.392-106.0	20 m						Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
Hose reel, automatic, 20 m, stainless steel	4	6.392-105.0	20 m						Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
ABS hose reel stainless steel	5	6.392-076.0	20 m						Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
Swivel holder	6	6.392-122.0	20 m						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 spring drive. Connection for HP hoses with nipple.	<input type="checkbox"/>
Swivel holder	7	2.639-931.0							Swivel holder for automatic hose reel wall mounting. For maximum action radius and flexibility of high-pressure hose. Rotatable 120°. Galvanised steel.	<input type="checkbox"/>
ABS wall fastening stainless steel	8	2.641-867.0							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.	<input type="checkbox"/>
Add-on kit hose reel TR 40m	9	6.392-442.0	40 m							<input type="checkbox"/>

☐ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 9/16-4 ST GAS 1.251-900.0

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		Order Number	Max. working pressure	Length			Price	Description	
Rotating spray lances									
Lance 250 mm, non-rotatable	1	4.112-027.0	300 bar	250 mm					<input type="checkbox"/>
550 mm lance, non-rotatable	2	4.112-024.0	300 bar	400 mm					<input type="checkbox"/>
Rotatable lance, 600 mm, ergonomic	3	4.112-007.0	300 bar	600 mm				600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	<input type="checkbox"/>
Lance 850 mm, rotatable, ergonomic	4	4.112-006.0	300 bar	840 mm				850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	<input type="checkbox"/>
1050 mm lance, rotatable, ergonomic	5	4.112-000.0	300 bar	1050 mm				1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	<input type="checkbox"/>
Lance 1550 mm, rotatable, ergonomic	6	4.112-018.0	300 bar	1550 mm				1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	<input type="checkbox"/>
Lance 2050 mm, rotatable, ergonomic	7	4.112-021.0	300 bar	2050 mm				2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	<input type="checkbox"/>
Jet pipe extension TR 1000 mm	8	4.112-048.0	300 bar	1000 mm					<input type="checkbox"/>
Double lance									
Double lance 960 mm	9	6.394-665.0	310 bar	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).	<input type="checkbox"/>
Angular spray lance									
WC and gutter lance	10	4.112-029.0						Stainless steel lance WC and gutter with nozzle insert. Specially shaped for effective and hygienic cleaning of gutters and toilets.	<input type="checkbox"/>
Flexible spray lance									
Flexible lance 1050 mm	11	4.112-035.0	210 bar	1050 mm				1050 mm flexible lance with variable bend from 20° to 140°, ideal for cleaning difficult to reach areas, e.g. gutters.	<input type="checkbox"/>
Telescopic spray lance									
Telescopic jet pipe	12	4.112-037.0	225 bar	5400 mm					<input type="checkbox"/>
Restraint belt for telescopic jet pipe	13	6.373-987.0						Convenient strap for relief when working with the telescopic spray lance (6.394-690). The burden is optimally distributed on the body and longer periods of use are possible.	<input type="checkbox"/>
Gutter cleaner									
Gutter cleaning lance	14	2.112-015.0						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.	<input type="checkbox"/>
Undercarriage spray lance									
Underbody lance	15	4.112-032.0		700 mm				Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	<input type="checkbox"/>
Additional handle									
	16	4.321-380.0							<input type="checkbox"/>

☐ Available accessories. ▲ Extension hose.

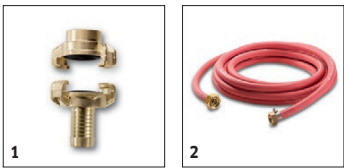
ACCESSORIES FOR HDS 9/16-4 ST GAS
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		Order Number	Flow rate				Price	Description	
Push-on washing brush									
Push-on washing brush	1	4.762-497.0						With clamp for mounting directly to units' double or triple nozzle. Fits on new double and triple nozzles.	<input type="checkbox"/>
Rotating washing brush									
	2	4.113-002.0	800-1300 l/h						<input type="checkbox"/>
	3	4.113-005.0	800-1300 l/h						<input type="checkbox"/>

☐ Available accessories. ▲ Extension hose.

ACCESSORIES FOR HDS 9/16-4 ST GAS
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		Order Number	Length	Diameter			Price	Description	
Geka coupling									
Hose coupling	1	6.388-458.0						with female thread	<input type="checkbox"/>
Water supply hose									
Water supply hose	2	4.440-038.0	7,5 m					NW 13 R1" / R 3/4", up to 30 °C	<input type="checkbox"/>

☐ Available accessories. ▲ Extension hose.