



HDS 3.5/23-4M Eg

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 eco!efficiency mode

- In the Eco setting the unit operates in the most economical temperature range (60°C) with full water flow.
- Burner cycles are optimised to reduce fuel consumption by up to 20% compared to full-load operation.

2 Operational reliability

- The large, integrated fine-mesh water filter reliably protects the high-pressure pump against dirt particles.
- An integrated exhaust gas thermostat switches off the drive motor if the exhaust gas temperature exceeds 300°C.

3 Mobility concept

- „Jogger“ design with large rubber tyre wheels and swivel castors.
- Sturdy tie-down points for safe transit



HDS 3.5/23-4M Eg

- Economical ecoefficiency mode
- Two detergent tanks

Technical data

Water Volume	GPM	2 / 3,5
Operating pressure	PSI	450 / 2300
Connected load	A	30
Power rating	hp	9,5
Weight	lbs	368
Dimensions (L x W x H)	in	51 x 27 x 33
Power supply	Ph / V / Hz	1 / 200-208 / 60

Equipment

Anti-twist system (AVS)	■	Dry run protection	■
Low fuel cut-out	■	Low-speed 4-pole motor	■
Exhaust gas temperature limiter	■	Steam mode	■
Three piston axial pump	with ceramic piston	Power nozzle	■
Stainless steel spray lance	in 41	SDS system	■
Trigger gun	Easy-press trigger gun	Scale inhibitor	■
High-pressure hose	ft 50	Control panel with indicator lamps	■
Infinitely variable pressure and water flow control on the unit	■	Two detergent tanks	■
Pressure switch control	■	Switch-CHEM-System	-
Trigger gun with soft grip	■		
Integral fuel and detergent tank	■		

■ Included in delivery.



		Order no.	ID		Length	RRP	Description	
Standard with unions on both sides								
High-pressure hose packaged	1	6.391-342.0	ID 8	315 bar	10 m			▲
High-pressure hose, 30 m DN 8, including rotary coupling	2	6.390-293.0	ID 8	315 bar	30 m			▲
Longlife 400 with unions on both sides								
High-pressure hose packaged	3	6.391-354.0	ID 8	400 bar	10 m			▲
High-pressure hose Longlife 400, 15 m, DN 8, including rotary coupling	4	6.389-709.0	ID 8	400 bar	15 m			▲
High-pressure hose Longlife 400, 30 m DN 8, including rotary coupling	5	6.390-294.0	ID 8	400 bar	30 m			▲
High-pressure hose 1.5 m, DN 8, including connectors	6	6.390-178.0	ID 8	400 bar	1,5 m			□
Longlife food design with screw connections at both ends								
High pressure hose food DN 8 / 10 m	7	6.391-864.0	ID 8	400 bar	10 m			▲
High-pressure hose food industry 400 bar, 20 m, DN 8, including rotary coupling	8	6.391-887.0	ID 8	400 bar	20 m			▲
Longlife 400								
High-pressure hose packaged	9	6.391-351.0	ID 8	400 bar	10 m			□
Longlife food design								
High-pressure hose Longlife 400, 10 m, DN 8, AVS trigger gun connection	10	6.391-885.0	ID 8	400 bar	10 m			□
High-pressure hose Longlife 400, 20 m, DN 8, AVS trigger gun connection	11	6.391-886.0	ID 8	400 bar	20 m			□
Special hoses								
High-pressure hose 1.5 m, DN 8, including connectors, outlet bend	12	6.388-886.0	ID 8	400 bar	1,5 m			□

■ Included in delivery. □ Available accessories. ▲ Extension hose.



		Order no.		Length		RRP	Description	
Rotating spray lances								
1050 mm lance, rotatable, ergonomic	1	4.760-660.0	300 bar	1050 mm				■
Rotatable lance, 600 mm, ergonomic	2	4.760-664.0	300 bar	600 mm				□
Lance 850 mm, rotatable, ergonomic	3	4.760-663.0	300 bar	840 mm				□
Lance 1550 mm, rotatable, ergonomic	4	4.760-661.0	300 bar	1550 mm				□
Lance 2050 mm, rotatable, ergonomic	5	4.760-662.0	300 bar	2050 mm				□
Spray lances								
Anti-vibration lance	6	6.415-951.0	250 bar	950 mm				□
Spray lance								
Lance 250 mm, non-rotatable	7	4.760-667.0		250 mm				□
Double lance								
Double lance 960 mm	8	6.394-665.0	310 bar	960 mm				□
Flexible spray lance								
Flexible lance 1050 mm	9	6.394-654.0	210 bar	1050 mm				□
Telescopic spray lance								
Telescopic jet pipe	10	6.394-690.0	225 bar					□
Strap for telescopic spray pipe	11	6.373-987.0						□
Gutter cleaner								
Gutter cleaning lance	12	2.642-305.0						□
Weed control								
WR 50	13	2.643-758.0						□
WR 20	14	2.643-760.0						□

■ Included in delivery. □ Available accessories. ▲ Extension hose.



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		Order no.					RRP	Description	
Y distributor									
Y distributor	1	4.405-048.0							<input type="checkbox"/>
Accumulator kits									
Add-on accumulator for HDS M/S	2	2.641-803.0							<input type="checkbox"/>

■ Included in delivery. □ Available accessories. ▲ Extension hose.



		Order no.	Water Volume	Nozzle size	Diame-ter	RRP	Description	
Hard surface cleaner FRV 30								
FRV 30	1	2.642-999.0						<input type="checkbox"/>
Add-on kit rubber lip	2	2.642-910.0						<input type="checkbox"/>
Extension hose 5 m	3	4.440-939.0						<input type="checkbox"/>
Machine-specific nozzle kits for FRV								
Nozzle kit 050 - for FRV 30	4	2.642-433.0		50				<input type="checkbox"/>
FRV 30 Me surface cleaner								
FRV 30 ME	5	2.642-911.0						<input type="checkbox"/>
Suction hose FRV 30 me	6	4.441-040.0						<input type="checkbox"/>
Flächenreiniger FR 50 Me								
FRV 50 ME	7	2.643-598.0						<input type="checkbox"/>

■ Included in delivery. □ Available accessories. ▲ Extension hose.



		Order no.	Water Volume				RRP	Description	
Trigger guns									
High end high-pressure trigger gun	1	4.775-823.0							<input type="checkbox"/>
Quick connect									
Quick coupling	2	6.401-458.0							<input type="checkbox"/>
Plug nipple	3	6.401-459.0							<input type="checkbox"/>

Included in delivery.
 Available accessories.
 Extension hose.



		Order no.	Nozzle size				RRP	Description	
Power nozzle spray angle 25°									
25° power nozzle for applying cleaning agent	1	2.884-521.0	250						<input type="checkbox"/>

Included in delivery.
 Available accessories.
 Extension hose.



		Order no.					RRP	Description	
Coupling parts									
	1	6.987-705.0							<input type="checkbox"/>
Rotary coupling									
Rotary coupling	2	4.401-091.0							<input type="checkbox"/>
Flue pipe									
Flue gas adapter	3	4.656-149.0							<input type="checkbox"/>
	4	4.656-080.0							<input type="checkbox"/>

Included in delivery.
 Available accessories.
 Extension hose.



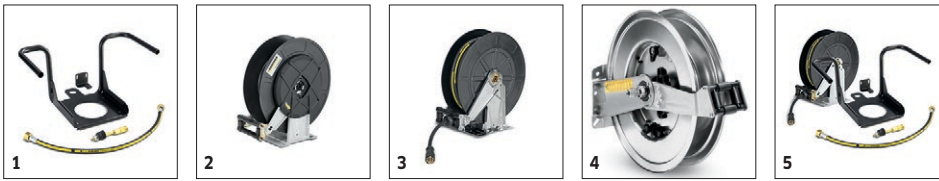
		Order no.	Nozzle size	Diame- ter	RRP	Description	
Pipe cleaning nozzle							
Pipe cleaning dirt blaster D 25 / 060	1	6.415-945.0	60	25 mm			<input type="checkbox"/>
Pipe cleaning dirt blaster D 30 / 060	2	6.415-947.0	60	30 mm			<input type="checkbox"/>
Pipe cleaning dirt blaster D 35 / 060	3	6.415-949.0	60	35 mm			<input type="checkbox"/>
Pipe cleaning nozzle	4	5.763-015.0	55	16 mm			<input type="checkbox"/>
	5	5.763-016.0	60	16 mm			<input type="checkbox"/>
	6	5.763-017.0	50	30 mm			<input type="checkbox"/>

Included in delivery.
 Available accessories.
 Extension hose.



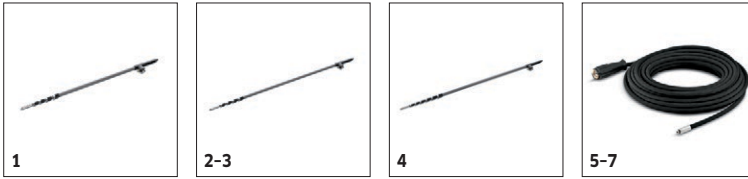
		Order no.	Water Volume				RRP	Description	
Cup foam lance									
Tank 1L	1	6.414-954.0							<input type="checkbox"/>
Cup foam lance	2	6.394-668.0	1200 l/h						<input type="checkbox"/>

Included in delivery.
 Available accessories.
 Extension hose.



		Order no.	Length				RRP	Description	
Automatic, self-winding hose reels									
ABS holder, automatic hose drum HDS M/S	1	2.643-040.0							<input type="checkbox"/>
Add-on kit hose reel plastics	2	6.392-975.0	20 m						<input type="checkbox"/>
Add-on kit hose reel	3	6.392-965.0	20 m						<input type="checkbox"/>
ABS hose reel stainless steel	4	2.641-866.0	20 m						<input type="checkbox"/>
ABS automatic hose drum HDS M/S	5	2.642-957.0	20 m						<input type="checkbox"/>

Included in delivery.
 Available accessories.
 Extension hose.



		Order no.	Water Volume	Water feed temperature	Length	Length	RRP	Description	
Solar cleaning - telescopic lances									
iSolar TL 7 H (without hose)	1	4.107-054.0		60 °C					<input type="checkbox"/>
Telescopic rod complete 10m	2	4.107-053.0		60 °C					<input type="checkbox"/>
Telescopic rod complete 10m CFK	3	4.107-055.0		60 °C					<input type="checkbox"/>
Telescopic rod complete 14m	4	4.107-052.0		60 °C					<input type="checkbox"/>
Hose solar	5	6.392-978.0		155 °C					<input type="checkbox"/>
	6	6.392-977.0		155 °C					<input type="checkbox"/>
	7	6.392-976.0		155 °C					<input type="checkbox"/>

Included in delivery.
 Available accessories.
 Extension hose.



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		Order no.	Length	Diameter		RRP	Description	
Geka coupling								
Geka coupling with hose liner, 1"	1	6.388-465.0						<input type="checkbox"/>
Suction filter								
Water filter	2	6.414-956.0						<input type="checkbox"/>

■ Included in delivery. □ Available accessories. ▲ Extension hose.