



HDS-E 8/16-4 M 24 kW

High economy, high performance electrically-heated hot water high pressure cleaner with zero emissions. 24kW version featuring pre-heat chamber and 45°C continuous operating temperature at full pressure









1 Highly energy efficient, for high cost savings

- Highly effective insulating material saves up to 40% energy in standby mode.
- Unique eco!efficiency mode.

2 High working temperature

Large water reservoir (max. 85 °C).

3 Save energy and time: EASY!Force high-pressure guns and EASY!Lock quick-release locks.

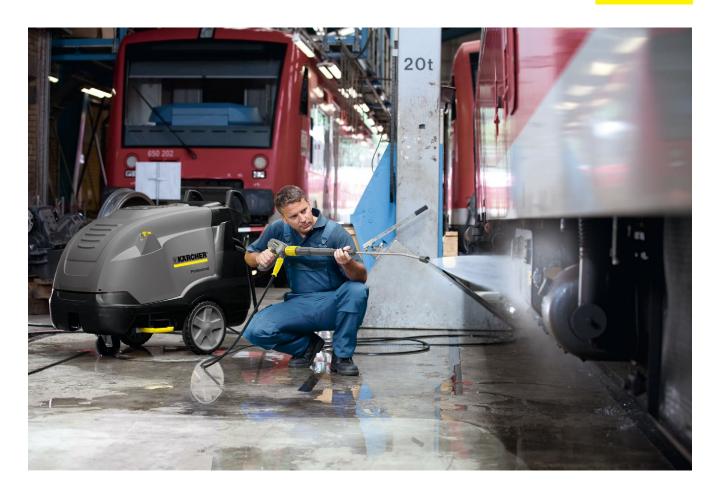
- At last work without getting tired: the EASY!Force high-pressure gun
- EASY!Lock quick-release locks: durable and robust. And five times faster than screws.

4 Servo Control

For delivering a significantly higher water temperature to the accessories.

TECHNICAL DATA AND EQUIPMENT.





HDS-E 8/16-4 M 24 kW

■ Economical eco!efficiency mode

Technical data		
Order Number		1.030-904.0
EAN code		4054278169002
Number of current phases	Ph	3
Frequency	Hz	50
Voltage	V	400
Flow rate	l/h	300-760
Pressure	bar / MPa	30-160 / 3-16
Max. temperature	°C	45 / 85
Power rating	kW	29,5
Weight	kg	122,1
Dimensions (L x W x H)	mm	1330 × 750 × 1060
Fauinment		

Equipment		
Trigger gun		EASY!Force Advanced
High-pressure hose	m	10 / ID 6, 250 bar
Spray lance	mm	1050
Power nozzle		I
Servo Control		1
Emission-free electric heating		1
Anti-twist system (AVS)		-
Control panel with indicator lamps		I
Pressure switch control		1
Two detergent tanks		1

■ Included in delivery.































			1	1				_
				Max. working				
		Order Number	ID	pressure	Length	Price	Description	
Standard with unions on both sides	5							
High-pressure hose, 10 m DN 8, AVS trigger gun connector	1	6.110-031.0	ID 8	315 bar	10 m		10 m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	
High-pressure hose, 15 m DN 8, AVS trigger gun connector	2	6.110-030.0	ID 8	315 bar	15 m		15 m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	I- A
High-pressure hose, 20 m DN 8, AVS trigger gun connector	3	6.110-032.0	ID 8	315 bar	20 m		20 m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	I- 🛦
High-pressure hose, 30 m DN 8, including rotary coupling	4	6.110-014.0	ID 8	315 bar	30 m		With rotary coupling, 2 x M 22 x 1.5	A
High-pressure hose, 15 m DN 10, 220 bar, extension	5	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	6	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	A
High-pressure hose, 25 m DN 10, extension, not rotatable	7	6.110-044.0	ID 10	220 bar	25 m			A
Hose assembly premium DN12 21MPa 15m	8	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	/
Hose assembly premium DN12 21MPa 40m	9	6.110-060.0	ID 12	210 bar	40 m		protection.	A
Hose assembly TR DN10 22MPa 10m	10	6.110-041.0	ID 10	220 bar	10 m			A
High-pressure hose, 10 m DN 6, AVS trigger gun connector	11	6.110-035.0	ID 6	250 bar	10 m		10 m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 6/155°C/250 bar.	(- =
High-pressure hose, 10 m, DN 6, 300 bar, AVS trigger gun connec- tion	12	6.110-056.0	ID 6	300 bar	10 m		With patented AVS connection in the trigger gun (pivot-mounted) and hand screw union. M 22 x 1.5 with anti-kink protection. NW 6/155°C/300 bar	
Longlife 400 with unions on both s	ides							
High-pressure hose Longlife 400, 30 m DN 8, including rotary coup- ling	13	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	14	6.110-027.0	ID 8	400 bar	20 m		with rotary coupling, 2 x M 22 x 1.5	A
High-pressure hose Longlife 400, 15 m, DN 8, including rotary coup- ling	15	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	16	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).	
·	17	6.110-069.0	ID 8	400 bar	1,5 m			
High-pressure hose packaged		6.110-038.0	ID 8	400 bar	10 m			
Food industry version with unions	1	I .		1				
High-pressure hose, 10 m ID 8, suitable for food industry, extension piece	19	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	20	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. Con- nectors at both ends, M 22 x 1.5, with kink protection. NW 8/155°C/250 bar.	A
Food industry version with unions High-pressure hose, 10 m ID 8, suitable for food industry, extensi- on piece High-pressure hose, 20 m ID 8, suitable for food industry, extensi-	on bot 19 20	th sides 6.110-051.0	ID 8	250 bar	10 m		AVS trigger gun connector. Non-discolouring outer layer for use in the food industry. M 22 x 1.5 with anti-kink sleeve. 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	









		Order Number	ID	Max. working pressure	Length	Price	Description	
High-pressure hose 15 m ID 6, AVS trigger gun connector 11 mm, suitable for food industry, grey	21	6.110-063.0	ID 6	250 bar	15 m		15 m high-pressure hose (DN 6) with patented (rotating) AVS trigger gun connector. Non-discolouring outer layer for use in the food industry. DN 6/155°C/250 bar.	
Longlife food industry version with	union	s on both sides						
High pressure hose food DN 8 / 10 m	22	6.110-053.0	ID 8	400 bar	10 m		Longlife HP hose for use in the food industry. Außende- cke## animal-grease-resistant, non-colour-bleeding materi- al. With rotary coupling, 2 x M 22 x 1,5	•
HIgh-pressure hose Longlife 400, 15 m, ID 6, AVS trigger gun con- nection	23	6.110-054.0	ID 8	400 bar	20 m		Longlife HP hose for use in the food industry. Außende- cke## animal-grease-resistant, non-colour-bleeding materi- al. With patented AVS connection in the pistol (pivot moun- ted)	

lacktriangle Included in delivery. \Box Available accessories. lacktriangle Extension hose.











		T	T			
		Order Number	Flow rate		Price	Description
Trigger guns						
EASY!Force Advanced	1	4.118-005.0				Effortless, not energy-sapping: the EASY!Force high-pressure gun uses the recoil force of the high-pressure jet to reduce the holding force for the operator to zero.
Servo Control						
Servo control	2	4.118-008.0	750-1100 l/h			
Quick connect						
Quick-fitting pipe union coupler trapezo	3	2.115-000.0				
Quick-fitting pipe union plug nipple tra	4	2.115-001.0				

lacktriangle Included in delivery. \Box Available accessories. lacktriangle Extension hose.





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		Order Number	Nozzle size		Price	Description
Power nozzle spray angle 25°						
Power nozzle spray angle 25°	1	2.113-022.0	45			Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.
HP nozzle spray angle 0°						
High-pressure nozzle spray angle °0	2	2.113-033.0	45			High-pressure nozzle with powerful jet for extremely stubborn dirt. $\hfill\Box$
Power nozzle spray angle 15°						
Power nozzle spray angle 15°	3	2.113-046.0	45			Fan jet nozzle with 15° spray angle suitable for stubborn dirt.
Power nozzle spray angle 40°						
Power nozzle spray angle 40°	4	2.113-053.0	45			Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.

[■] Included in delivery.

Available accessories.

Extension hose.































							Г
			Max. working				
		Order Number	_	Length	Price	Description	
Rotating spray lances	1	I .	I .				
1050 mm lance, rotatable, ergonomic	1	4.112-000.0	300 bar	1050 mm		1050 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360° under pressure.	
Nozzle light	2	2.680-002.0		125 mm		onder pressore.	Г
Lance 250 mm, non-rotatable	3	4.112-027.0	300 bar	250 mm		-	
550 mm lance, non-rotatable	4	4.112-024.0	300 bar	400 mm		1	
Rotatable lance, 600 mm, ergono- mic	5	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°	
THIC						under pressure.	-
Lance 850 mm, rotatable, ergonomic	6	4.112-006.0	300 bar	840 mm		850 mm stainless steel lance (manual coupling) with ergono- mic handle for ease of use and protection. Rotatable 360° under pressure.	
Lance 1550 mm, rotatable, ergonomic	7	4.112-018.0	300 bar	1550 mm		1550 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360° under pressure.	
Lance 2050 mm, rotatable, ergonomic	8	4.112-021.0	300 bar	2050 mm		2050 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360° under pressure.	
Jet pipe extension TR 1000 mm	9	4.112-048.0	300 bar	1000 mm			
Double lance							
Double lance 960 mm	10	2.112-016.0	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).	
Angular spray lance							
WC and gutter lance	11	4.112-029.0				Stainless steel lance WC and gutter with nozzle insert. Specially shaped for effective and hygienic cleaning of gutters and toilets.	
Flexible spray lance							
Flexible lance 1050 mm	12	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.	
Articulated joint TR 20	13	4.112-057.0	300 bar				
Telescopic spray lance							
Telescopic jet pipe	14	4.112-037.0	225 bar	5400 mm			
Restraint belt for telescopic jet pipe	15	6.373-987.0				Convenient strap for relief when working with the telesco- pic spray lance (6.394-690). The burden is optimally distri- buted on the body and longer periods of use are possible.	
Gutter cleaner						social of the body and longer periods of ose are possible.	
Gutter cleaning lance	16	2.112-015.0		960 mm		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.	
Undercarriage spray lance							
Underbody lance	17	4.112-032.0		700 mm		Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	
Additional handle							
	18	4.321-380.0					
	20.00						

[■] Included in delivery.

Available accessories.

Extension hose.









		Order Number			Price	Description	
Crane lifting kit			1				
Crane loading kit for HDS middle and super class	1	2.642-424.0				Effortless loading by crane.	
NOCH NICHT GEPFLEGT	2	2.644-053.0					
Y distributor							
Y distributor	3	4.111-024.0					

[■] Included in delivery.

Available accessories.

Extension hose.





















		Order Number	Flow rate	Nozzle size	Diame- ter	Price	Description	
Hard Surface Cleaner FRV 30		Order Homber	1 low rate	NOZZIE SIZE	tei	FIICE	Description	\perp
Add-on kit hose attachment	1 1	2.642-528.0			1 1			Ιп
Add-on kit dirt trap	2	2.642-532.0					-	H
Hard surface cleaner FR 30 ME		2.042 332.0						10
FR 30 ME surface cleaner	3	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.	
Hard Surface Cleaner FR 50								
FR 50 surface cleaner	4	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.	
Machine-specific nozzle kit for FR								
Nozzle kit for surface cleaners (type-specific) 650 - 850 I/h	5	2.639-187.0	650-850 l/h				Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (650 to 850 l/h).	
Machine-specific nozzle kits for FR	RV							
Nozzle kit 045 for FRV 30	6	2.642-432.0		45				
Hard surface cleaner FRV 30 Me								
Suction hose FRV 30 me	7	4.441-040.0						
FRV 30 ME	8	2.111-012.0					Surface cleaner with integrated waste water pick-up	
Surface Cleaner FR 50 Me								
	9	2.111-024.0						

[■] Included in delivery.

Available accessories.

Extension hose.































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		Order Number				Price	Description	
		Order Homber				FIICE	Description	\perp
Nozzle union			I	1		1		
Protection part TR only for repla- cement	1	4.112-011.0						
Rotary coupling								+
Rotary coupling	2	4.111-021.0		1			Kärcher rotary coupling prevents twisting and kinking of	
Notal y Coopiling	2	4.111 021.0					high-pressure hoses for ease of use. Connector M 22 x 1.5	
							m. With grip protection.	
Coupling								
Coupler -2xM22x1,5	3	4.111-037.0					Brass double connector for connecting and extending high-	
							pressure hoses. With rubber protection. Connector: 2x M 22	! D
							x 1.5 m.	_
Connector		4444 000 0		1	ı	1	Name to a second	
Nozzle connector/screw connector	4	4.111-022.0					Nozzle connector/screw connector for connecting high- pressure nozzles and accessories to the high-pressure trig-	
							ger gun (with nozzle connector). Connectors: 1x M 22 x 1.5	
							and 1x M 18 x 1.5.	
	5	4.111-038.0						
Adapter EASY!Lock			•					
Adapter 1 M22AG-TR22AG	6	4.111-029.0						
Adapter 2 M22IG-TR22AG	7	4.111-030.0						
Adapter 3 M22IG-TR22AG	8	4.111-031.0						
Adapter M22 - Swivel	9	4.111-032.0					M22 x 1,5female and swivel connection. For extension of	T
							high-pressure hoses with AVS connection or for usage of th	
							telescopic lance with a high-pressure hose with AVS connec	:- -
Adapter 5 TR22IG-M22AG	10	4.111-033.0					tion.	_
Adapter 6 TR22IG-M22AG	11	4.111-033.0						
Adapter 7 M18IG-TR20AG	12	4.111-034.0						
	13	4.111-035.0						H
Adapter 8 TR20IG-M18AG ADAPTER for replacement TR22IG-	14	4.111-036.0						Ш
M22AG Er	14	4.111-046.0						
HP detergent injector								
Detergent injector for high and	15	4.637-032.0					Detergent injector for independent high and low pressure	
low pressure (without nozzles)							dosage. Maximum dosage about 15%.	
Detergent injector for high pressu-	16	4.637-033.0					Cleaning agent dosage at high pressure 3 - 5 %	
re								┸
Machine-specific nozzle kit with ord				ı	ı			
Nozzle insert trapezoidal thread	17	4.769-011.0						
HDS-GER Nozzle insert with order no. 3.637-	001							_
Nozzle insert for Order No. 3.637-	18	4.769-003.0					Nozzle insert for detergent injector 3.637-001 for high-	
001, high-pressure for machines	10	705 005.0					pressure detergent application. For high-pressure cleaners	
up to 1100 l/h.							with a water flow rate up to 1100 l/h.	L
Low pressure for units rated up to	19	4.769-001.0					For low pressure with machines up to 1.100 l/h	
1100 l/h								╩

[■] Included in delivery.

Available accessories.

Extension hose.









		Order Number	Nozzle size		Price	Description
Wet blasting attachment (without i	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.
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.
Nozzle pack for wet blasting attach	ment					
Nozzle pack TR wet jet set 0045	3	2.112-022.0	45			
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.

nes as of 1000 l/h

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

















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		Order Number	Max. working pressure	Nozzle size	Diame- ter	Price	Description	
Pipe cleaning hose, ID 6								
Hose assembly TR pipe cleaning DN6 max.2	1	6.110-046.0	250 bar					
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).	
Hose assembly TR pipe cleaning DN6 max.2	3	6.110-047.0	250 bar					
Pipe cleaning nozzle								
Dirt blaster pipe cleaning D21/060	4	4.765-002.0		60	21 mm			
Dirt blaster pipe cleaning D30/060	5	4.765-005.0		60	30 mm			
Pipe cleaning nozzle	6	5.763-015.0		55	16 mm		16 mm pipe cleaning nozzle with internal thread. Various jet	
	7	5.763-016.0		60	16 mm		directions for environmentally-friendly cleaning of blocked drains and pipes.	
	8	5.763-017.0		50	30 mm		30 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	
Rotating pipe cleaning nozzle	9	6.415-428.0		50	16 mm		Rotating pipe cleaning nozzle with internal thread and four rotating jets for environmentally-friendly cleaning of blocked drains and pipes.	
Drain cleaning dirt blaster D 25/060	10	6.415-945.0		60	25 mm		The forward-tilted rotating pencil jet removes the most stubborn dirt. The three backwards-tilted jets ensure the	
Drain cleaning dirt blaster D 30/060	11	6.415-947.0		60	30 mm		necessary forward movement, as well as convenient hand- ling.	
Drain cleaning dirt blaster D 35/060	12	6.415-949.0		60	35 mm			

[■] Included in delivery.

Available accessories.

Extension hose.





		Order Number	Max. working pressure	Nozzle size		Price	Description	
Dirt blaster, large								
Dirt blaster - without changeover function	1	4.114-042.0	300 bar	45			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.	

[■] Included in delivery.

Available accessories.

Extension hose.





















		Order Number	Flow rate			Price	Description
Cup foam lance				•			
Foam lance TR	1	4.112-054.0	700-800 l/h				
Packing complete for 6.394-968.0	2	2.112-017.0					
Tank grey only for replacement 1L	3	6.414-050.0					
Inno Foam Set							
Inno foam kit with detergent injector	4	2.112-000.0					High-pressure foam system with double lance (foam nozzle and high-pressure jet for rinsing). For use with mobile and
Inno foam kit	5	2.112-008.0					stationary high-pressure and HDS pressure cleaners for cleaning or disinfection.
Easy Foam Set							
Easy Foam Set with RM injector	6	2.112-010.0					HP foam system for use with. HD/HDS units for cleaning and \Box
Easy foam set	7	2.112-011.0					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.
Nozzle kits for Inno/Easy Foam Set							
Nozzle kit 090 Inno/Easy kit 700 - 1000 I/h	8	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.
Foam nozzle mounting kit							
Foam nozzle kit	9	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.

[■] Included in delivery.

Available accessories.

Extension hose.























		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.	
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.	
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.	c. 🗆
	4	6.392-105.0	20 m					
Hose reel, automatic, 20 m, stain- less steel	5	6.392-076.0	20 m				Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	
ABS hose reel stainless steel	6	6.392-122.0	20 m				High-grade, automatic steel hose reel. Especially suitable fo use in the food industry. The material and finish provide for a corrossion-resistant, watertight capsuled sprong drive. Connection for HP hoses with nipple.	
Add-on kit hose reel TR 40m	7	6.392-442.0	40 m					
Swivel holder	8	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.	è. 🗆
ABS wall fastening stainless steel	9	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.	
Anbausatz Schlauchtrommel autom	atik			•				
Add-on kit hose reel HDS M/S	10	2.110-011.0					Automatic hose reel as a complete attachment kit that's eas' to mount. Suitable for HDS medium and super class. For maximum convenience when winding and unwinding the high-pressure hose.	y
Add-on kit holder hose reel TR	11	2.110-020.0						

[■] Included in delivery.

Available accessories.

Extension hose.











		Order Number	Flow rate	Water feed temperature	Length	Length	Price	Description
Solar cleaning - telescopic lances								
Telescopic rod complete 14m	1	4.110-002.0		max. 60 °C				Full carbon telescopic rod for maximum rigidity with minimal weight. With 14 m max. reach and practical quick-release couplings for easy extension and retraction.
Telescopic rod complete 10m CFK	2	4.110-007.0		max. 60 °C				
Telescopic rod complete 10m	3	4.110-003.0		max. 60 °C				Telescopic rod made from a carbon/fibreglass mixture for maximum rigidity with minimum weight. With 10 m max. reach and practical quick-release couplings for easy extension and retraction.
iSolar TL 7 H (without hose)	4	4.110-004.0		max. 60 °C				Telescopic rod made from a carbon/fibreglass mixture for maximum rigidity with minimum weight. With 7.2 m max. reach and practical quick-release couplings for easy extension and retraction.
Hose solar	5	6.392-978.0		max. 155 °C				High-quality, flexible HP hose (with rubber covering) for the iSolar TL 7. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.
	6	6.392-977.0		max. 155 °C				High-quality, flexible HP hose (with rubber covering) for the iSolar TL 10. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.
	7	6.392-976.0		max. 155 °C				High-quality, flexible HP hose (with rubber covering) for the isolar TL 14. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.

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









		Order Number	Flow rate		Price	Description	
Push-on washing brush							
Push-on wash brush, M 18 x 1.5	1	4.113-001.0				Push-on wash brush for universal use. Simply push on to lance. Connector: M 18 x 1.6.	
Rotating washing brush							
	2	4.113-004.0	500-800 l/h				
	3	4.113-003.0	500-800 l/h				

[■] Included in delivery.

Available accessories.

Extension hose.















		Order Number	Length	Diameter		Price	Description
Geka coupling							
With hose nozzle, R 1/2"	1	6.388-461.0					with hose liner
With hose nozzle, R 3/4"	2	6.388-455.0					
Hose coupling	3	6.388-458.0					with female thread
Suction filter							
Water filter	4	6.414-956.0					
Suction filter with check valve	5	4.730-012.0					Brass suction filter suitable for ponds, storage tanks, etc. With check valve.
Fine-mesh water filter							
Fine-mesh water filter with adapter	6	4.730-102.0					Fine-mesh water filter, 125 µm, max. temperature 50°C. Protects the high-pressure cleaner from dirt particles contained in the water. Water flow rate up to 1200 l/h. Connection 3/4", with adapter, 1".
Water supply hose							
Water supply hose	7	4.440-038.0	7,5 m				NW 13 R1" / R 3/4", up to 30 °C

 $[\]blacksquare$ Included in delivery. $\hfill\Box$ Available accessories. $\hfill \blacktriangle$ Extension hose.