# KARCHER



#### HD 9/23 G

With the HD 9/23 G petrol-powered cold water high-pressure cleaner with Honda petrol engine, you can work independently and conveniently while staying mobile - even under adverse external conditions.

















#### 1 Maximum independence

- Fitted with a reliable Honda or Yanmar motor for use without an external power supply.
- Can suck up water e.g. from lakes or ponds and use it for cleaning.

#### 2 Optimum ease of use

- The ergonomic frame concept makes transport on uneven ground easier.
- Storage options for all accessory parts directly on the machine.

#### 3 Highly versatile

- Optional cage frame with eyelets for crane loading and reliable protection of the machines.
- Hose reel attachment kit for shorter set-up available as an optional extra.

#### 4 For the toughest jobs

- Robust basic frame for daily use in tough conditions.
- Large water filter to protect the pump.

# **TECHNICAL DATA AND EQUIPMENT.**





#### HD 9/23 G

- Servo Control function on the high pressure lance allows

- variable water pressure and water flow

  Automatic speed reduction

  Puncture proof wheels for maximum mobility

Technical data		
Order Number		1.187-906.0
EAN code		4054278210575
Operating pressure	bar / MPa	40-230 / 4-23
Flow rate	l/h	400-930
Max. water feed temperature	°C	max. 60
Engine type		GX 390/Petrol
Power rating	kW / hp	9,5 / 13
Weight	kg	71
Dimensions (L x W x H)	mm	870 × 725 × 1170

Equipment		
Trigger gun		EASY!Force Advanced
High-pressure hose	m	15 / ID 8, 315 bar
Spray lance	mm	1050
Anti-twist system (AVS)		=
Infinitely variable pressure and water flow control on the unit		•
Electric starter		-
Servo Control		1

■ Included in delivery.















		Order Number	ID	Max. working	Length	Price	Description
According to the state of the state of		Order Homber	.5	pressore	Length		pest iption
Standard with unions on both sides 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, 20 m DN 8, AVS trigger gun connector	2	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.
High-pressure hose, 15 m DN 8, AVS trigger gun connector	3	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.
Longlife 400 with unions on both s	ides						
High-pressure hose Longlife 400, 30 m DN 8, including rotary coup- ling	4	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	5	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 coup- ling	6	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	7	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).
	8	6.110-069.0	ID 8	400 bar	1,5 m		
High-pressure hose packaged	9	6.110-038.0	ID 8	400 bar	10 m		
Longlife food industry version with	unior	ns on both sides					·
High pressure hose food DN 8 / 10 m	10	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

<sup>■</sup> Included in delivery. 

Available accessories. 

Extension hose.











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		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.
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					С

<sup>■</sup> Included in delivery. 

Available accessories. 

Extension hose.





		Order Number	Nozzle size		Price	Description
Power nozzle spray angle 25°						
	1	2.113-010.0	48			
Nozzle chemical TR for replace- ment 25250	2	2.113-020.0	250			
HP nozzle spray angle 0°						
High-pressure nozzle spray angle °0	3	2.113-034.0	50			High-pressure nozzle with powerful jet for extremely stubborn dirt.
Power nozzle spray angle 40°						
Power nozzle spray angle 40°	4	2.113-054.0	50			Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.

<sup>■</sup> Included in delivery. 

Available accessories. 

Extension hose.





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		Order Number	Max. working pressure	Length		Price	Description	
Rotating spray lances								
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.	•
Lance 250 mm, non-rotatable	2	4.112-027.0	300 bar	250 mm				
550 mm lance, non-rotatable	3	4.112-024.0	300 bar	400 mm				
Rotatable lance, 600 mm, ergonomic	4	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.	
Lance 850 mm, rotatable, ergonomic	5	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.	
Lance 1550 mm, rotatable, ergo- nomic	6	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	7	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.	
Double lance								
Double lance 960 mm	8	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).	
Angular spray lance								
WC and gutter lance	9	4.112-029.0					Stainless steel lance WC and gutter with nozzle insert. Spe- cially shaped for effective and hygienic cleaning of gutters and toilets.	
Gutter cleaner								
Gutter cleaning lance	10	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.	
Undercarriage spray lance								
Underbody lance	11	4.112-032.0		700 mm			Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	
Additional handle							,	
	12	4.321-380.0						

<sup>■</sup> Included in delivery. 

Available accessories. 

Extension hose.





		Order Number			Price	Description
Y distributor		'				
Y distributor	1	4.111-024.0				
Cage frame attachment kit						
Add-on kit frame Cage breit	2	2.637-007.0				

<sup>■</sup> Included in delivery. 

Available accessories. 

Extension hose.























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					Diame-			
		Order Number	Flow rate	Nozzle size	ter	Price	Description	
Hard Surface Cleaner FRV 30								
Add-on kit rubber lip	1	2.642-910.0					For smooth floors indoors. The squeegee increases the	П
							suction performance of the FRV 30 and minimises the	
							amount of water remaining. This means the floor is dry in	
							just a few minutes.	+
Extension hose 5 m	2	4.440-939.0					5m extension hose for FRV 30. Connection sleeve included.	
Add-on kit hose attachment	3	2.642-528.0						
Add-on kit dirt trap	4	2.642-532.0						
FRV 30	5	2.111-010.0						
Hard surface cleaner FR 30 ME								
FR 30 ME surface cleaner	6	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	1-1
							industry.	$\perp$
Hard Surface Cleaner FR 50	1 _			I		ı	1	
FR 50 surface cleaner	7	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							detergent dosing system.	$\perp$
Nozzle kit for surface cleaners	8	2 640-442.0	850-1100 l/h			1	Nozzle kit includes power nozzles and unions. For Kärcher	
(type-specific) 850 - 1100 l/h	0	2.040 442.0	030 1100 1/11				surface cleaners (850 to 1100 l/h).	
Machine-specific nozzle kits for FR	V			l .			Solitate eleaners (650 to 1100 l/m).	
Nozzle kit 050 for FRV 30	9	2.642-433.0		50				
Hard surface cleaner FRV 30 Me								
Suction hose FRV 30 me	10	4.441-040.0						$\Box$
FRV 30 ME	11	2.111-012.0						
Surface Cleaner FR 50 Me							1	一
	12	2.111-024.0		1				
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<sup>■</sup> Included in delivery. 

Available accessories. 

Extension hose.































		Order Number			Price	Description	
Nozzle union							
Protection part TR only for repla- cement	1	4.112-011.0					
Coupling parts							Ţ
	2	6.987-705.0					
Rotary coupling			1				Г
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.	
Coupling			1	1	ı		Т
Coupler -2xM22x1,5	4	4.111-037.0				Brass double connector for connecting and extending high-pressure hoses. With rubber protection. Connector: $2x  M  22  x  1.5  m$ .	
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 $1x  M  18  x  1.5$ .	
	6	4.111-038.0					
Adapter EASY!Lock			1				
Adapter 1 M22AG-TR22AG	7						
Adapter 2 M22IG-TR22AG	8	4.111-030.0					
Adapter 3 M22IG-TR22AG	9	4.111-031.0					
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 connec- tion.	
Adapter 5 TR22IG-M22AG	11	4.111-033.0					
Adapter 6 TR22IG-M22AG	12	4.111-034.0					
Adapter 7 M18IG-TR20AG	13	4.111-035.0					
Adapter 8 TR20IG-M18AG	14	4.111-036.0					
HP detergent injector							
Detergent injector for high and low pressure (without nozzles)	15	4.637-032.0				Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	
Detergent injector for high pressu- re	16	4.637-033.0				Cleaning agent dosage at high pressure 3 - 5 %	
Machine-specific nozzle kit with or	der no	. 3.637-170					
Machine-specific nozzle kit with order no. 3.637-170.0 750-1000 I/h	17	4.769-047.0				For HD/HDS 750 - 1000 l/h. Consists of nozzle insert + HP power nozzle + union	
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.	18	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.	
Low pressure for units rated up to 1100 l/h	19	4.769-001.0				For low pressure with machines up to 1.100 l/h	









		Order Number	Max. working pressure	Nozzle size		Price	Description
Triple nozzles							
Triple nozzle 050	1	4.117-037.0	300 bar	50			Triple nozzle with manual nozzle changeover. Convenient spray adjustment. For high-pressure cleaners with injector; low-pressure fan jet for detergent removal and application. Connector M 18x1.5.
Angle vario nozzle 0°-90°							
Spezial nozzle 0005	2	4.113-007.0		50			Variable angle nozzle for spray angle adjustment from 0° to 90°. For easy adjustment to all kinds of soiling and surfaces.
Dirt blaster, large							
Dirt blaster - without changeover function	3	4.114-027.0	300 bar	50			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.

<sup>■</sup> 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. Kārcher 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 0050	3	2.112-023.0	50			
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.

<sup>■</sup> 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							
Drain cleaning dirt blaster D 25/060	4	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	5	6.415-947.0		60	30 mm		necessary forward movement, as well as convenient handling. $\hfill\Box$
Drain cleaning dirt blaster D 35/060	6	6.415-949.0		60	35 mm		
Pipe cleaning nozzle	7	5.763-015.0		55	16 mm		16 mm pipe cleaning nozzle with internal thread. Various jet 🗌
	8	5.763-016.0		60	16 mm		directions for environmentally-friendly cleaning of blocked drains and pipes.
	9	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	10	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.

<sup>■</sup> Included in delivery. 

Available accessories. 

Extension hose.













		Order Number	Flow rate		Price	Description
Cup foam lance						
Packing complete for 6.394-968.0	1	2.112-017.0				
Tank 1L	2	6.414-954.0				
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.
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.
Nozzle kits for Inno/Easy Foam Set						
Nozzle kit 090 Inno/Easy kit 700 - 1000 I/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 I/h. For optimal foam system performance.
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.

<sup>■</sup> Included in delivery. 

Available accessories. 

Extension hose.

















		Order Number	Length		Price	Description
Hose reel add-on kit						
Add-on kit hose reel	1	2.110-004.0	30 m			
Automatic, self-winding hose reels						
Add-on kit hose reel plastics	2	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	3	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	4	6.392-106.0	20 m			Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.
	5	6.392-105.0	20 m			
Hose reel, automatic, 20 m, stainless steel	6	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	7	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 corrossion-resistant, watertight capsuled sprong drive. Connection for HP hoses with nipple.
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.
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.

<sup>■</sup> Included in delivery. 

Available accessories. 

Extension hose.











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		Order Number	Flow rate	Water feed temperature	Length	Length	Price	Description
Calan alamina dalamania lauran		Order Normber	riowrate	temperature	Length	Length	FIICE	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.

<sup>■</sup> 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	4.113-002.0	800-1300 l/h				
	3	4.113-005.0	800-1300 l/h				_

<sup>■</sup> Included in delivery. 

Available accessories. 

Extension hose.















		Order Number	Length	Diameter		Price	Description	
Geka coupling								
With hose nozzle, R 3/4"	1	6.388-455.0					with hose liner	
Hose coupling	2	6.388-458.0					with female thread	
Suction filter								
Water filter	3	6.414-956.0						
Suction filter with check valve	4	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	5	4.730-102.0					Fine-mesh water filter, 125 µm, max. temperature 50°C. Protects the high-pressure cleaner from dirt particles conta ned in the water. Water flow rate up to 1200 l/h. Connectio 3/4", with adapter, 1".	
Water supply hose								
Water supply hose	6	4.440-038.0	7,5 m				NW 13 R1" / R 3/4", up to 30 °C	
Backflow check valve								
Backflow preventer	7	2.641-374.0					To prevent detergent getting into the drinking water cycle i case of inlet at low-pressure hot water resistant up to 80 °C - tested according to IEC 60335-2-79 - integrated leakag protection	l

<sup>■</sup> Included in delivery. 

Available accessories. 

Extension hose.