

*Cleaning Technology
Municipal Technology
Waterjet Technology*

Hako



Oertzen high-pressure cleaners
***Professional systems for industry
and commerce***

Versatile. Reliable. Powerful.

OERTZEN

Cold water units with electric motors

High continuous performance with electrical energy from a mains supply – low-emission, sustainable, reliable

Alternating current 230 V / 1-50 Hz		Three-phase current 400 V / 3-50 Hz							
 <p>C170-9 E C140-12 E</p> <p>C.X305</p>		 <p>C.X322</p> <p>C210-16 E</p>		<p>16 A</p>  <p>C230-15 E C150-21 E C230-21 E</p> <p>C.S170-9 E C.S140-12 E C.S120-15 E</p> <p>C.S120-21 E C.S210-15 E C.S210-21 E</p>		<p>32 A</p>  <p>C310-21 E C210-30 E</p> <p>C120-50 E C385-21 E C500-16 E</p> <p>C.S310-21 E C.S120-30 E C.S210-30 E C.S120-50 E</p>		<p>63 A</p>  <p>C500-27 E</p> <p>C1000-16 E</p>	



Hot water units with electric motors

Particularly effective cleaning with comparatively low working pressure – effective, time- and resource-saving

Alternating current 230 V / 1-50 Hz		Three-phase current 400 V / 3-50 Hz					
 <p>Cold water unit + Hotbox see modules</p> <p>H120-9 E.D</p>		<p>16 A</p>  <p>H170-13 E.D H180-15 E.D</p> <p>H210-15 E.D</p>		<p>32 A</p>  <p>H.S160-16 E.D H.S165-18 E.D</p> <p>H200-21 E.D</p>		<p>63 A</p>  <p>H.S170-9 E</p>	

Cold water units with combustion engines



High flexibility due to mains-independent use – powerful, economical, uncomplicated

Petrol			Diesel		
 <p>C230-15 P</p> <p>C250-15 P C230-21 P C200-21 P</p> <p>C310-21 P C210-30 P C385-21 P C500-16 P</p>			 <p>C210-15 D</p> <p>C500-17 D</p> <p>C500-33 D* C1000-20 D*</p>		

* No EU authorization















Hot water units with combustion engines

Power-independent for demanding tasks in industrial environments – robust, flexible, sustainable

Petrol		Diesel	
 <p>H180-18 P.D</p>		 <p>H300-21 D</p> <p>H.T350-23 D H.T500-30 D</p>	

Modules and accessories

Perfect fit: modules and original accessories for more functionality, application diversity and efficiency

 <p>H.B250</p>	 <p>H.B520</p>	 <p>H.B20</p>	 <p>Hose reels: spring balancer / portable / mobile / stainless steel</p>	 <p>Floor and wall cleaner</p>	 <p>Trolley for professional series</p>	 <p>Sandblasting: MONSUN / MONSUN VARIO / TORNADO</p>	 <p>Mud vacuum cleaner</p>
 <p>Tank interior cleaner (TIR)</p>	 <p>Pipe cleaning</p>	 <p>Manhole cleaner / fog blower</p>	 <p>Milling cutter / turbo cutter / nozzles ...</p>	 <p>guns / lances / extensions</p>	 <p>Protective equipment (PSA) Suit/overall Apron Boots Gaiters Arm protection Gloves</p>		

Wide range of applications thanks to a large selection

Hako offers a wide range of effective, reliable and economical Oertzen high-pressure cleaners for a wide variety of applications and all cleaning tasks.



Type	Comparable to	Flow rate l/min max	Working pressure bar max	Water temp. °C max.	Normal voltage	Pump speed 1/min	Drive type	Connected load kW	Drive power kW	Thermo valve	Weight kg
Compact class cold water units with electric motor											
OERTZEN C.X305	305 CX	600	160	-	2,800	230 V / 1-50 Hz	Electric	3	-	-	24
OERTZEN C.X322	322 KL	960	190	-	1,420	400 V / 3-50 Hz	Electric	5.1	-	-	75
OERTZEN C210-16 E	Royalpower	960	210	-	1,450	400 V / 3-50 Hz	Electric	6.4	-	-	68
Cold water units up to 190 bar with electric motor											
OERTZEN C140-12 E	314P	720	140	-	1,420	230 V / 1-50 Hz	Electric	3.5	-	opt.	39.5
OERTZEN C170-9 E	312P	540	170	-	1,420	230 V / 1-50 Hz	Electric	3.5	-	opt.	39.5
OERTZEN C150-21 E	E200-23	1,260	160	-	1,420	400 V / 3-50 Hz	Electric	6.5	-	+	85
OERTZEN C120-50 E	E350	3,000	120	-	1,400	400 V / 3-50 Hz	Electric	12.5	-	+	126
Cold water units from 200 to 400 bar with electric motor											
OERTZEN C210-30 E	E334	1,800	210	-	1,400	400 V / 3-50 Hz	Electric	12.5	-	+	126
OERTZEN C230-15 E	E200-16	900	230	-	1,420	400 V / 3-50 Hz	Electric	6.5	-	+	85
OERTZEN C230-21 E	E240	1,260	230	-	1,440	400 V / 3-50 Hz	Electric	8.9	-	+	108
OERTZEN C310-21 E	E320	1,260	310	-	1,400	400 V / 3-50 Hz	Electric	12.5	-	+	126
OERTZEN C385-21 E	E400	1,260	385	-	1,450	400 V / 3-50 Hz	Electric	17.6	-	+	164
Cold water units from 500 bar with electric motor											
OERTZEN C500-16 E	E500-17	960	500	-	1,450	400 V / 3-50 Hz	Electric	17.6	-	+	168
OERTZEN C500-27 E	E500-30	1,620	500	-	1,450	400 V / 3-50 Hz	Electric	28	-	+	260
OERTZEN C1000-16 E	E1000	960	1,000	-	980	400 V / 3-50 Hz	Electric	33	-	-	460
Hot water units with electric motor											
OERTZEN H120-9 E.D	Minipower	540	120	140	2,800	230 V / 1-50 Hz	Electric + Diesel	2.8	-	-	80
OERTZEN H170-13 E.D	Trendpower	780	170	130	2,800	400 V / 3-50 Hz	Electric + Diesel	4.3	-	-	90
OERTZEN H180-15 E.D	Superpower	900	180	140	1,400	400 V / 3-50 Hz	Electric + Diesel	5.2	-	-	120
OERTZEN H210-15 E.D	SM220	900	210	140	1,420	400 V / 3-50 Hz	Electric + Diesel	6.9	-	-	145
OERTZEN H200-21 E.D	Highpower	1,260	200	140	1,400	400 V / 3-50 Hz	Electric + Diesel	8.5	-	-	172
Stationary units											
OERTZEN C.S140-12 E	S314	720	120	-	1,420	400 V / 3-50 Hz	Electric	3.5	-	+	52
OERTZEN C.S170-9 E	S312	540	170	-	1,420	400 V / 3-50 Hz	Electric	3.5	-	+	52
OERTZEN C.S120-15 E	S323-16	900	120	-	1,420	400 V / 3-50 Hz	Electric	6.5	-	+	96
OERTZEN C.S120-21 E	S323-23	1,260	120	-	1,420	400 V / 3-50 Hz	Electric	6.5	-	+	96
OERTZEN C.S120-15 E	S323-16H	900	210	-	1,420	400 V / 3-50 Hz	Electric	6.5	-	+	96
OERTZEN H.S160-16 E.D	1320HST	960	160	140	1,420	400 V / 3-50 Hz	Electric + Diesel	7.2	-	-	201
OERTZEN H.S165-18 E.D	120HST-18	1080	165	140	1,420	400 V / 3-50 Hz	Electric + Diesel	7.2	-	-	201
OERTZEN C.S210-21 E	S323 23H	1,260	210	-	1,440	400 V / 3-50 Hz	Electric	8.9	-	+	102
OERTZEN C.S120-30 E	S334	1,800	120	-	1,400	400 V / 3-50 Hz	Electric	12.5	-	+	128
OERTZEN C.S120-50 E	S350	3,000	120	-	1,400	400 V / 3-50 Hz	Electric	12.5	-	+	146
OERTZEN C.S210-30 E	S334H	1,800	210	-	1,400	400 V / 3-50 Hz	Electric	12.5	-	+	128
OERTZEN C.S310-21 E	S320H	1,260	310	-	1,400	400 V / 3-50 Hz	Electric	12.5	-	+	128
OERTZEN C.S310-21 E	S320H	1,260	310	-	1,400	400 V / 3-50 Hz	Electric	12.5	-	+	128
OERTZEN H.S170-9 E	S312-24kW	540	170	delta 35	1,450	400 V / 3-50 Hz	Electric	28	-	-	90
Cold water units with combustion engine											
OERTZEN C210-15 D	318 D	900	210	-	1,450	-	Diesel	-	6.8	+	126
OERTZEN C230-15 P	M225	900	250	-	3,400	-	Petrol	-	8.7	-	79
OERTZEN C230-21 P	M240	1,260	230	-	1,420	-	Petrol	-	10.3	+	105
OERTZEN C200-21 P	M210	1,260	200	-	1,420	-	Petrol	-	10.3	+	66
OERTZEN C250-15 P	M230	900	250	-	3,400	-	Petrol	-	10.4	+	81
OERTZEN C310-21 P	M320	1,260	310	-	1,420	-	Petrol	-	16.9	+	160
OERTZEN C210-30 P	M334	1,800	210	-	1,420	-	Petrol	-	16.9	+	160
OERTZEN C385-21 P	M400	1,260	385	-	1,420	-	Petrol	-	16.9	+	160
OERTZEN C500-16 P	M500	960	500	-	1,420	-	Petrol	-	16.9	+	166
OERTZEN C500-17 D	D500-17	1,020	500	-	1,450	-	Diesel	-	18.6	+	350
OERTZEN C500-33 D*	D500-30	1,980	500	-	1,450	-	Diesel	-	37.3	+	725
OERTZEN C1000-20 D*	D1000	1,200	1,000	-	1,450	-	Diesel	-	37.3	-	725
Compact class hot water units with combustion engine											
OERTZEN H180-18 P.D	M180-18 HWS	1,080	180	98	1,450	-	Petrol + Diesel	-	11.7	+	360
OERTZEN H300-21 D	D300H	1,260	300	95	1,450	-	Diesel	-	18	+	423
Trailers											
OERTZEN H.T350-23 D	Powertrailer 350	1,380	350	120	1,750	-	Diesel	-	26	+	900
OERTZEN H.T500-30 D	Powertrailer 520	1,800	500	120	1,750	-	Diesel	-	33	+	1,050
Hot Boxes											
OERTZEN H.B 250	Hotbox 250	540 – 1,260	230	150	-	230 V / 1-50 Hz	Electric + Diesel	-	-	-	105
OERTZEN H.B 520	Hotbox 520	600 – 1,260	500	150	-	230 V / 1-50 Hz	Electric + Diesel	-	-	-	108
OERTZEN H.B 200	Hotbox 200	540 – 1,260	20	120	-	230 V / 1-50 Hz	Electric + Diesel	-	-	-	93
Special applications											
OERTZEN C200-21 Z	Z200	1,260	200	-	540	-	PTO shaft	-	-	-	50

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