HDS 697 Ci **New Product Information**	**International Service Information** **No 1997-017 dated 7 Feb 1997**

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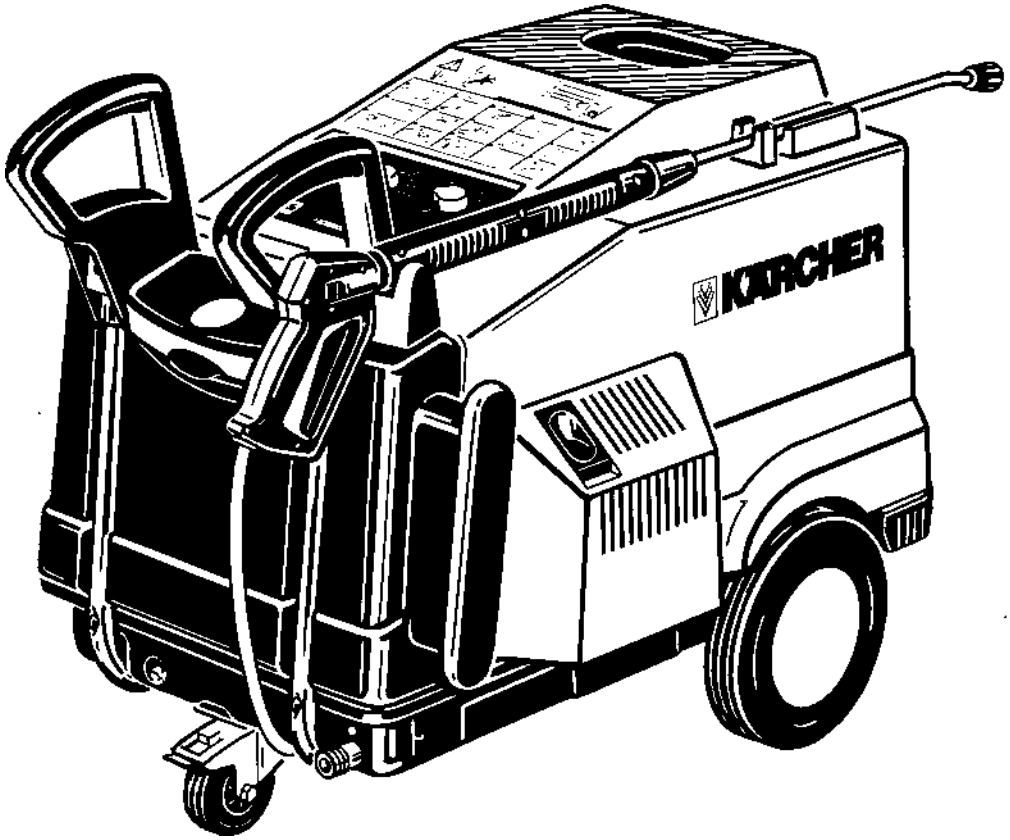
1.962-....



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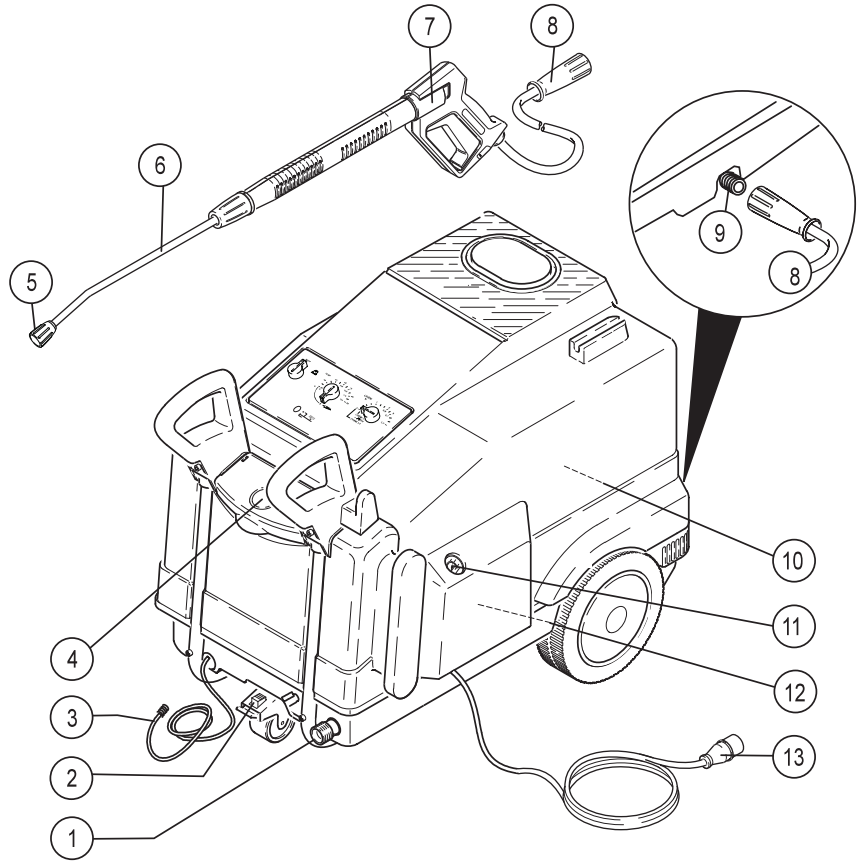
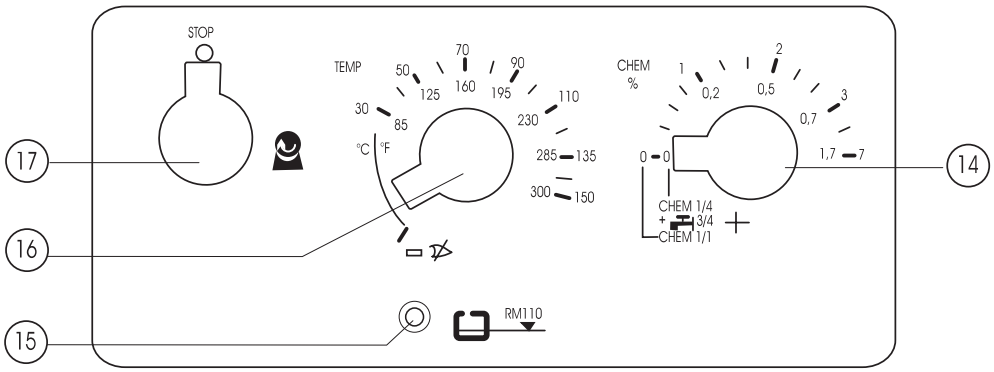
Equipment features





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Equipment features

1 Water inlet with strainer
2 Swivel caster with parking brake
3 Cleaning agent suction hose with filter
4 Fuel tank inlet
5 High-pressure nozzle
6 Spray lance
7 Handgun
8 High-pressure hose
9 High-pressure outlet
10 Scale inhibitor tank inlet
11 Pressure gauge
12 Pressure and flow control valve
13 Power cord
14 Cleaning agent metering valve
15 Indicator light – scale inhibitor
16 Temperature regulator with burner switch
17 Unit switch with motor protection switch

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Technical features

Drive unit

– 2-pole electric motor with 3000 r.p.m.
– additional fan wheel for motor cooling

High-pressure pump

– swash plate with axial ball bearing
– 3 stainless steel pistons
– brass cylinder head
– stainless steel valves
– pressure and flow control on cylinderhead
– safety valve on cylinderhead

Electrical equipment

– adjustable motor protection switch
– 24 volt control voltage
– 1 pressure switch
– temperature regulator with burner switch
– low water protection
– without fuel level sensor
– scale inhibitor system

Burner

– smoke free compact burner with upright heating coil

Cleaning agent system

– cleaning agent in high-pressure mode
– cleaning agent metering valve on instrument panel

Other features

– new standard accessory
– new high-pressure connection system, old high-pressure hoses do not fit onto this connection

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Technical data HDS 697 Ci 1.962-...

Circuit diagram	Nr.	0.088-071	No.	0.088-071
Supply voltage	V	400 / 3 ~	V	400 / 3 ~
Type of current	Hz	50	Hz	50
Current consumption (full load)	A	8,5	A	8,5
Motor protection switch	A	10.0	A	10.0
Overload relay	A	–	A	–
Engine r.p.m. at op. pressure (full load)	U/min.	–	r.p.m.	–
Engine r.p.m. with handgun closed	U/min.	–	r.p.m.	–
High-pressure nozzle	Größe	042	size	042
Operating pressure (full load)	bar	160-180	psi	2320-2610
Operating pressure (steam stage)	bar	–	psi	–
Flow rate (full load)	l/min.	10.8-12.0	gpm	2.8-3.1
Detergent (full load)	l/min.	0.3-1.1	gpm	0.08-0.30
Burner fuel pressure	bar	9.5-12.5	psi	137-181
Increased water temperature	°C	56-65	°F	132-149
Exhaust emission CO_2	%	10.5-13	%	10.5-13
Exhaust temperature (max.)	°C	215	°F	419
Smoke spot number	Wert	0-1	value	0-1
Burner power	kW	40	kW	40
Fuel consumption	kg/h	3.8	kg/h	3.8
Water supply temperature (max.)	°C	30	°F	86
Water supply rate (min.)	l/min.	12.0	gpm	405.6
Water supply hose	NW	1/2"	id	1/2"
Water supply pressure	bar	1-6	psi	14.5-87
Sound level (LpA)	dB(A)	79	dB(A)	79
Pump – oil quantity	Liter	0.4	fl.oz.	13.52
Pump – oil type	Typ	SAE 90	type	SAE 90
Engine – oil quantity	Liter	–	fl.oz.	–
Engine – oil type	Typ	–	type	–

Note:
- Adjust op. press. using a new high-press. nozzle (if the overflow valve is adjustable)
- Pressure reading on the unit pressure gauge
- Flow rate measurement using a shut-off valve at operating pressure
- Safety valve adjustment, 20 bar / 290 psi above operating pressure
- Pressure switch adjustment, 10 bar / 145 psi above operating pressure (if adjustable)

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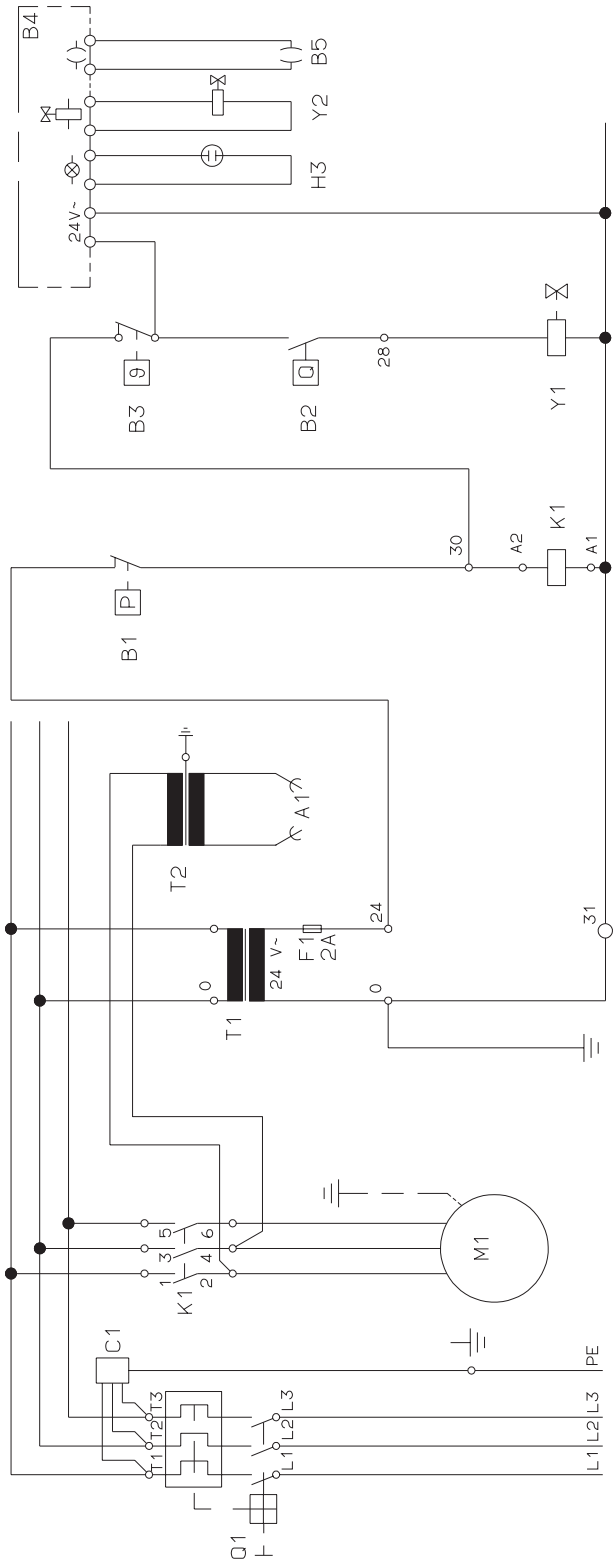
Circuit diagram 0.088-071



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Circuit diagram 0.088-071

A1 Ignition electrodes
B1 Pressure switch
B2 Low water protection
B3 Temperature regulator with burner switch
B4 Scale inhibitor circuit board
B5 Scale inhibitor sensor
C1 Operating capacitor
F1 Control transformer fuse
H3 Indicator light – scale inhibitor
K1 Contactor
M1 Motor
Q1 Unit switch with motor protection switch
T1 Control transformer
T2 Ignition transformer
Y1 Fuel solenoid valve
Y2 Scale inhibitor solenoid valve

o detachable cable connection