Washer Extractors

HC60, HC65, HC75, HC100 HC135, HC165

for corresponding "CHC" and "IHC" models, see page 6 for complete model list.

Technical specifications Installation instructions Maintenance





Part No. D0285R9 Code: 249/00306/20 May 2011

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Build-up

хНС060ууНуууууу
хНС065ууНуууууу
хНС075ууНуууууу
хНС100ууНуууууу
хНС135ууНуууууу
хНС165ууНуууууу
хНС012ууНуууууу
xHC014yyHyyyyyy
хНС018ууНуууууу
хНС025ууНуууууу
хНС030ууНуууууу
хНС035ууНуууууу

HC60	
HC65	
HC75	
HC100	
HC135	
HC165	
HX25	
HX35	

Model numbers

IHC012ANH	IHC025ANH	IHC035ANH
IHC012MNH	IHC025MNH	IHC035MNH
IHC012MCH	IHC025MCH	IHC035MCH
IHC012MDH	IHC025MDH	IHC035MDH
IHC012MEH	IHC025MEH	IHC035MEH
IHC012MLH	IHC025MLH	IHC035MLH
IHC012MXH	IHC025MXH	IHC035MXH
IHC012MYH	IHC025MYH	IHC035MYH
IHC012SCH	IHC025SCH	IHC035SCH
IHC012SDH	IHC025SDH	IHC035SDH
IHC012SEH	IHC025SEH	IHC035SEH
IHC012SRH	IHC025SRH	IHC035SRH
IHC012SLH	IHC025SLH	IHC035SLH
IHC012SXH	IHC025SXH	IHC035SXH
IHC012SYH	IHC025SYH	IHC035SYH
IHC018ANH	IHC030ANH	IHC060ANH
IHC018MNH	IHC030MNH	IHC060MNH
IHC018MCH	IHC030MCH	IHC060MCH
IHC018MDH	IHC030MDH	IHC060MDH
IHC018MEH	IHC030MEH	IHC060MEH
IHC018MLH	IHC030MLH	IHC060MLH
IHC018MXH	IHC030MXH	IHC060MXH
IHC018MYH	IHC030MYH	IHC060MYH
IHC018SCH	IHC030SCH	IHC060SCH
IHC018SDH	IHC030SDH	IHC060SDH
IHC018SEH	IHC030SEH	IHC060SEH
IHC018SRH	IHC030SRH	IHC060SRH
IHC018SLH	IHC030SLH	IHC060SLH
IHC018SXH	IHC030SXH	IHC060SXH
IHC018SYH	IHC030SYH	IHC060SYH

IC035MCH
IC035MDH
IC035MEH
IC035MLH
IC035MXH
IC035MYH
IC035SCH
IC035SDH
IC035SEH
IC035SRH
IC035SLH
IC035SXH
IC035SYH
IC060ANH
IC060MNH
IC060MCH
IC060MDH
IC060MEH
IC060MLH
IC060MXH
IC060MYH
IC060SCH
IC060SDH
IC060SEH
IC060SRH
IC060SLH
IC060SXH
IC060SYH
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6

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IHC060ZNH	
IHC065ANH	1
IHC065MNH	1
IHC065MCH	1
IHC065MDH	1
IHC065MEH	1
IHC065MLH	┤
IHC065MXH	┥
IHC065MYH	┥
IHC065SCH	┥
IHC065SDH	┥
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IHC065SLH	-
IHC065SXH	
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IHC075MEH	
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IHC075MXH	
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IHC075SCH	
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IHC075SEH	
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IHC100ANH	1
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CHC035MNH	
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CHC060MYH
CHC065ANH
CHC065MNH
CHC065MCH
CHC065MDH
CHC065MEH
CHC065MLH
CHC065MXH
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CHC135MXH
CHC135MYH
CHC165ANH
CHC165MNH
CHC165MCH
CHC165MDH
CHC165MEH
CHC165MLH
CHC165MXH
CHC165MYH

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Safety

CAUTION LABELS

Please familiarize yourself with the following standard warning symbols. They are used throughout this manual and on the equipment to alert you to possible hazards. Anyone operating or servicing this equipment must understand these symbols and must follow all safety rules in this manual.

ELECTRICAL HAZARD

This symbol alerts you to the presence of a dangerous voltage, which could cause a serious shock resulting in personal injury or death.

CONSULT MANUAL

This symbol warns you to consult the manual for important instructions concerning the machine and possible hazards.

MOVING PARTS HAZARD

This symbol alerts you to the presence of possible dangerous moving parts within the machine. Guards should always be in place when the machine is in operation. Be very careful when servicing the drive system.

PINCHING HAZARD

This warning symbol indicates the presence of a pinch point on the machine. This is a place where your hand might be pinched or crushed, resulting in a severe injury. Make sure you understand these hazards and keep all body parts clear of them.

HOT SURFACE HAZARD

This symbol indicates the presence of a potentially hot surface. Some machine surfaces and parts may become extremely hot during normal operation and should not be touched.

ATTENTION

This symbol identifies information about practices or circumstances that can lead to personal injury or death, property damage, or economic loss.











Environmental

Disposal of Unit

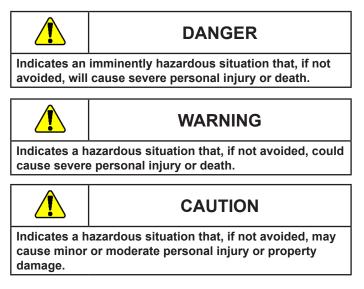
This appliance is marked according to the European directive 2002/96/ EC on Waste Electrical and Electronic Equipment (WEEE).

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. Ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local distributor resources.



Explanation of Safety Messages

Throughout this manual and on machine decals, you will find precautionary statements ("DANGER," "WARNING," and "CAUTION") followed by specific instructions. These precautions are intended for the personal safety of the operator, user, servicer, and those maintaining the machine.



Safety Decals

Safety decals appear at crucial locations on the machine. Failure to maintain legible safety decals could result in injury to the operator or service technician.

To provide personal safety and keep the machine in proper working order, follow all maintenance and safety procedures presented in this manual. If questions regarding safety arise, contact the manufacturer immediately.

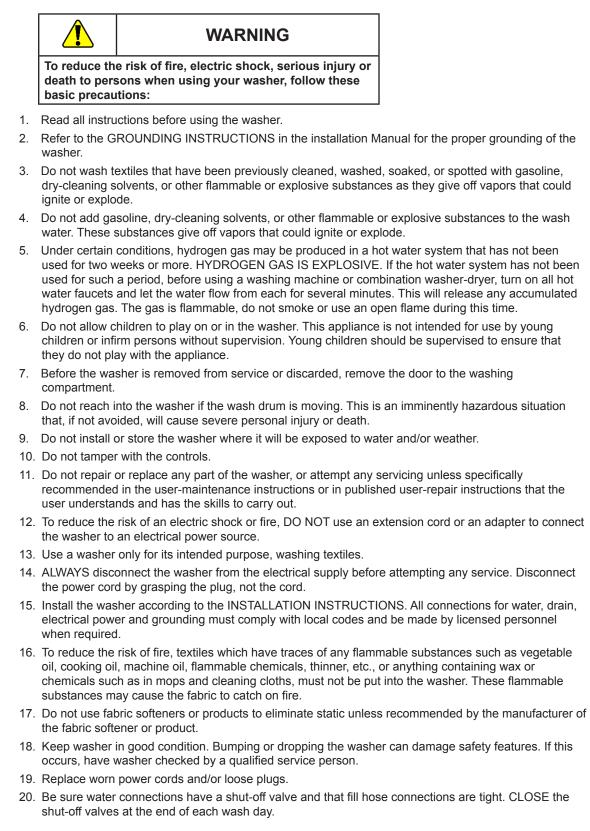
Use manufacturer-authorized spare parts to avoid safety hazards.

Additional precautionary statements ("IMPORTANT" and "NOTE") are followed by specific instructions.

IMPORTANT: The word "IMPORTANT" is used to inform the reader of specific procedures where minor machine damage will occur if the procedure is not followed.

NOTE: The word "NOTE" is used to communicate installation, operation, maintenance or servicing information that is important but not hazard related.

Important Safety Instructions



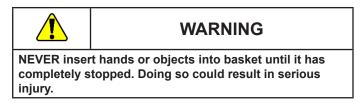
- 21. Loading door MUST BE CLOSED any time the washer is to fill, tumble, or spin. DO NOT bypass the loading door switch by permitting the washer to operate with the loading door open.
- 22. Always read and follow manufacturer's instructions on packages of laundry and cleaning aids. Heed all warnings or precautions. To reduce the risk of poisoning or chemical burns, keep them out of the reach of children at all times (preferably in a locked cabinet).
- 23. Always follow the fabric care instructions supplied by the textile manufacturer.
- 24. Never operate the washer with any guards and/or panels removed.
- 25. DO NOT operate the washer with missing or broken parts.
- 26. DO NOT bypass any safety devices.
- 27. Failure to install, maintain, and/or operate this washer according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage.
- 28. It is recommended that the machine be installed by qualified technicians.
- 29. Before starting repairs or maintenance, shut off all power and water supplies.
- To prevent fire and explosion:
 Keep the area around the machine free from inflammable or combustible products.

NOTE: The WARNINGS and IMPORTANT SAFETY INSTRUCTIONS appearing in this manual are not meant to cover all possible conditions and situations that may occur. Common sense, caution, and care must be exercised when installing, maintaining, or operating the washer.

Any problems or conditions not understood should be reported to the dealer, distributor, service agent, or the manufacturer.

SAVE THESE INSTRUCTIONS

Operator Safety



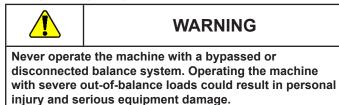
To ensure the safety of machine operators, the following maintenance checks must be performed daily:

- 1. Prior to operating the machine, verify that all warning signs are present and legible. Missing or illegible signs must be replaced immediately. Make certain that spares are available.
- 2. Check door interlock before starting operation of the machine:
 - a. Attempt to start the machine with the door open. The machine should not start with the door open.
 - b. Close and lock the door and start a cycle. Attempt to open the door while the cycle is in progress. The door should not open.

If the door lock and interlock are not functioning properly, call a service technician.

- 3. Do not attempt to operate the machine if any of the following conditions are present:
 - a. The door does not remain securely locked during the entire cycle.
 - b. Excessively high water level is evident.
 - c. Machine is not connected to a properly grounded circuit.

Do not bypass any safety devices in the machine.



SAVE THESE INSTRUCTIONS

Technical data HC60, IHC012, IHC060

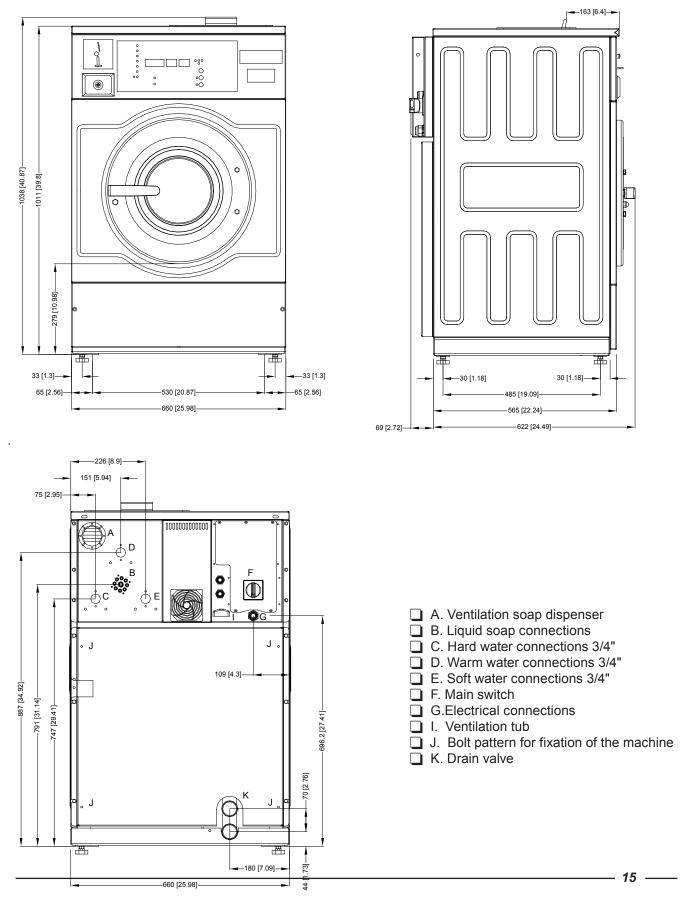
		METRIC	US
Capacity (dry weight) Ratio [kg	/Lit]		
	1:11	5 kg	11.02 lb.
	1:10	5,5 kg	12.13 lb.
	1:9	6,1 kg	13.45 lb.
Cylinder			
	Diameter	530 mm	20.87 inch
	Depth	250 mm	9.84 inch
	Volume	55 Lit	1.94 ft ³
Cabinet			
	Height	1038 mm	40.87 inch
	Width	660 mm	25.98 inch
	Depth	575 mm	22.64 inch
Front loading			
	Diameter door opening	300 mm	11.81 inch
	Height under door	279 mm	10.98 inch
	To center	505 mm	19.88 inch
Speed			
	Wash	10 - 50 tr/m	in - RPM
	Distribution	85 tr/min	- RPM
	Spin	250 - 1250 tr/	min - RPM
G-factor			
	High spin	462	2
Dynamic bottom load (N/Hz)			
		570/	16
Motor (3-phase)			
	4p. 1470 tr/min	0,55 kW /	0,74 HP
Drain valve			
		2"	
Water supply			
	Hard, soft, warm water	3/4	"
Heating			
	Electrical 230/400 V	4,2 k	W
	Electrical 400V	6 kV	N
	Steam	Х	
	Warm water (without additional hea	ting) X	
	Warm water (with additional heating)) X	
Packing dimensions			
	(H x W x D) mm - inch	1140x740x840 mm - 44	.88x29.13x33.07 inch
Weight			
	Net	184 kg	405.65 lb.
	Gross	198 kg	436.52 lb.

3

_ 14 _____

Dimensions HC60, IHC012, IHC060

Legend: metric mm [inches]

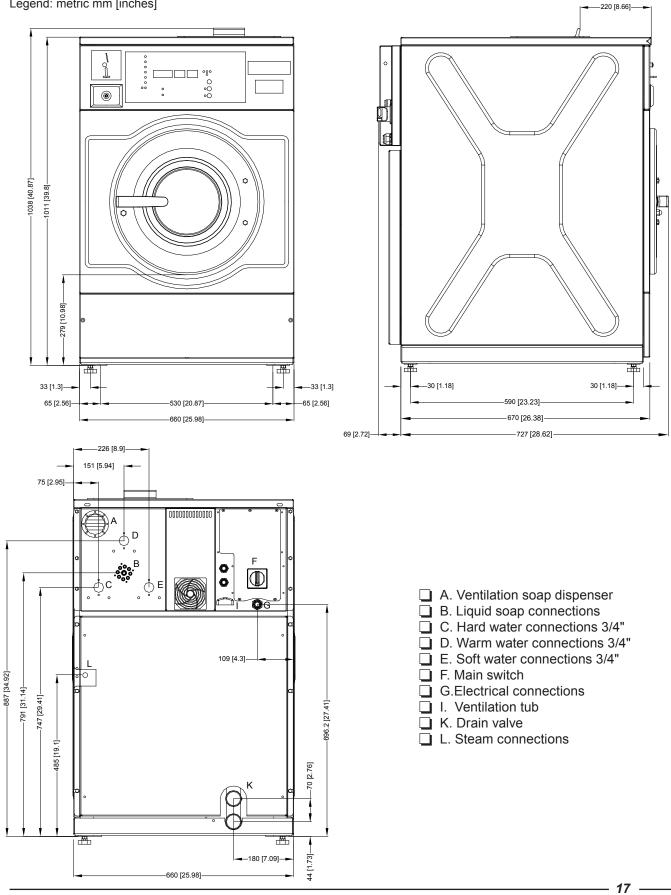


Technical data HC65, IHC014, IHC065

	I	METRIC	US
Capacity (dry weight) Ratio [kg	/Lit]		
	1:11	5,9 kg	13.01 lb.
	1:10	6,5 kg	14.33 lb.
	1:9	7,2 kg	15.87 lb
Cylinder			
	Diameter	530 mm	20.87 inch
	Depth	295 mm	11.61 inch
	Volume	65 Lit	2.30 ft ³
Cabinet			
	Height	1038 mm	40.87 inch
	Width	660 mm	25.98 inch
	Depth	739 mm	29.09 inch
Front loading			
	Diameter door opening	300 mm	11.81 inch
	Height under door	279 mm	10.98 inch
	To center	505 mm	19.88 inch
Speed			
	Wash	10 - 50 tr/min - R	PM
	Distribution	85 tr/min - RPN	1
	Spin	250 - 1000 tr/min -	
G-factor		200 1000 (
	High spin	296	
Dynamic bottom load (N/Hz)			
- j		570/16	
Motor (3-phase)			
	4p. 1470 tr/min	0,75 kW / 1,01 F	IP
Drain valve		0,10 101 1,011	
		2"	
Water supply		-	
	Hard, soft, warm water	3/4"	
Steam connection	Hard, Solt, Walth Water	5/4	
oteam connection	Steam connection	3/8"	
Heating	Steam connection	5/0	
neating	Electrical 230/400 V	4,2 kW - 6 kW - 9	۲\۸/
	Electrical 400V	4,2 kW - 0 kW - 9	
	Steam	X	
	Warm water (without additional heating		
	Warm water (with additional heating)	Х	
Packing dimensions	41 M/ B) · · ·		
	(H x W x D) mm - inch 1	1140x740x840 mm - 44.88x29	9.13x33.07 incl
Weight			
	Net	207 kg	456.36 lb.
	Gross	229 kg	504.86 lb.
			16

Dimensions HC65, IHC014, IHC065

Legend: metric mm [inches]

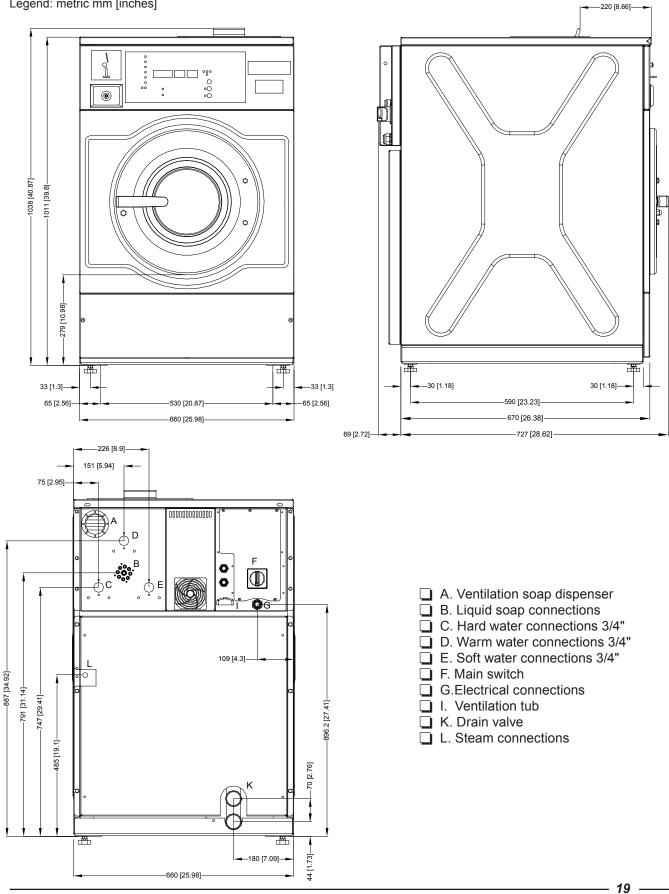


Technical data HC75, IHC018, CHC018, IHC075

		METRIC	US
Capacity (dry weight) Ratio [k	g/Lit]		
	1:11	6,9 kg	15.21 lb.
	1:10	7,6 kg	16.76 lb.
	1:9	8,4 kg	18.52 lb.
Cylinder			
	Diameter	530 mm	20.87 inch
	Depth	345 mm	13.58 inch
	Volume	76 Lit	2.68 ft ³
Cabinet			
	Height	1038 mm	40.87 inch
	Width	660 mm	25.98 inch
	Depth	739 mm	29.09 inch
Front loading			
	Diameter door opening	300 mm	11.81 inch
	Height under door	279 mm	10.98 inch
	To center	505 mm	19.88 inch
Speed			
•	Wash	10 - 50 tr/ı	min - RPM
	Distribution	85 tr/mi	n - RPM
	Spin		r/min - RPM
G-factor	- p		
	High spin	29	96
Dynamic bottom load (N/Hz)	0 1		
,		550)/16
Motor (3-phase)			
	4p. 1470 tr/min	0,75 kW	/ 1 01 HP
Drain valve		0,10111	,•
		2	
Water supply			-
	Hard, soft, warm water	3/	4"
Steam connection		0,	-
	Steam connection	3/	8"
Heating		0,	0
licating	Electrical 230/400 V	1 2 kW - 6	kW - 9 kW
	Electrical 400V		kW
			κνν <
	Steam		
	Warm water (without additional heat		K
Desking dimensions	Warm water (with additional heating)))	X
Packing dimensions		1140,740,940 4	4 00000 40000 07
Mainh	(H x W x D) mm - inch	1140x740x840 mm - 4	4.00X29.13X33.07 INC
Weight			
	Net	211 kg	465.18 lb.
	Gross	233 kg	513.68 lb.
			18

Dimensions HC75, IHC018, CHC018, IHC075

Legend: metric mm [inches]

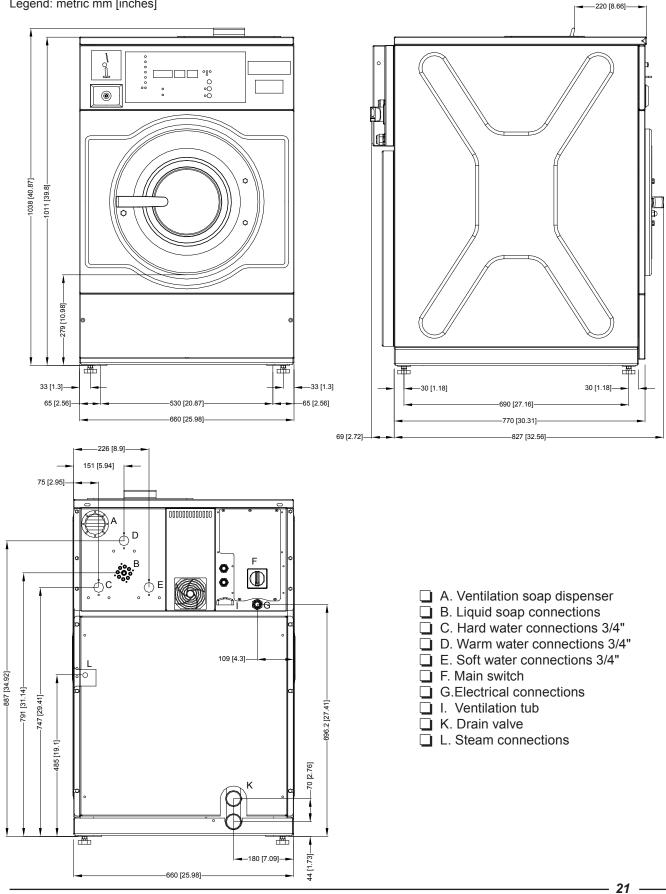


Technical data HC100, IHC025, CHC025, IHC100

	I	METRIC	US
Capacity (dry weight) Ratio [[kg/Lit]		
	1:11	8,6 kg	18.96 lb.
	1:10	9,5 kg	20.94 lb.
	1:9	10,5 kg	23.15 lb.
Cylinder			
	Diameter	530 mm	20.87 inch
	Depth	440 mm	17.32 inch
	Volume	95 Lit	3.35 ft ³
Cabinet			
	Height	1038 mm	40.87 inch
	Width	660 mm	25.98 inch
	Depth	839 mm	33.03 inch
Front loading			
	Diameter door opening	300 mm	11.81 inch
	Height under door	279 mm	10.98 inch
	To center	505 mm	19.88 inch
Speed			
	Wash	10 - 50 tr/min - RPM	
	Distribution	85 tr/min - F	RPM
	Spin	250 - 1000 tr/min - RPM	
G-factor		200 1000	
	High spin	296	
Dynamic bottom load (N/Hz)			
,		538/16	
Motor (3-phase)			
···· (· F ····)	4p. 1470 tr/min	0,75 kW / 1,0)1 HP
Drain valve		-,	
		2"	
Water supply		_	
	Hard, soft, warm water	3/4"	
Steam connection		0/4	
	Steam connection	3/8"	
Heating		0,0	
licating	Electrical 230/400 V	4,2 kW - 6 kW	- 9 kW
	Electrical 400V	4,2 kW - 0 kW	- 5 KW
	Steam	X	
	Warm water (without additional heating)		
Packing dimensions	Warm water (with additional heating)	Х	
FACKING UNDERSIONS			v20.42v27.40 in a
	$(H \times M \times D)$ mm inch		
	(H x W x D) mm - inch	1250x740x950 mm- 49.21	x29.13x37.40 Inc
Weight			
	Net	236 kg	520.29 lb.

Dimensions HC100, IHC025, CHC025, IHC100

Legend: metric mm [inches]



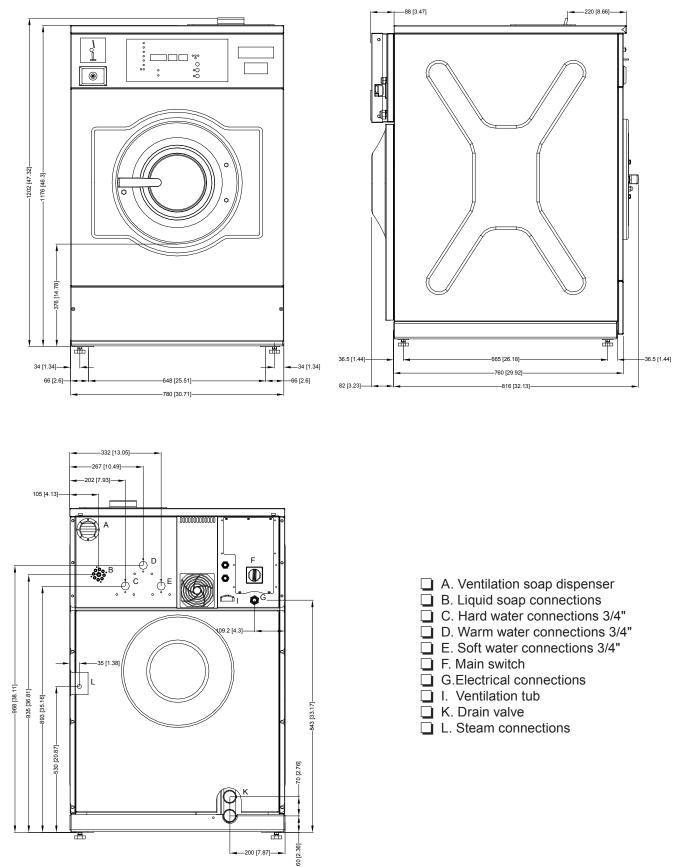
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Technical data HC135, IHC030, IHC135

		METRIC	US	
Capacity (dry weight) Ratio [l	kg/Lit]			
	1:11	12 kg	26.46 lb.	
	1:10	13,2 kg	29.10 lb.	
	1:9	14,5 kg	31.97 lb.	
Cylinder				
	Diameter	650 mm	25.59 inch	
	Depth	400 mm	15.75 inch	
	Volume	132 Lit	4.66 ft ³	
Cabinet				
	Height	1202 mm	47.32 inch	
	Width	780 mm	30.71 inch	
	Depth	842 mm	33.15 incl	
Front loading				
	Diameter door opening	300 mm	11.81 inch	
	Height under door	376 mm	14.78 incl	
	To center	605 mm	23.82 incl	
Speed				
	Wash	10 - 50 tr/min - RPM		
	Distribution	85 tr/m	85 tr/min - RPM	
	Spin		tr/min - RPM	
G-factor		200 .000		
	High spin	3	63	
Dynamic bottom load (N/Hz)				
- ,		110	00/16	
Motor (3-phase)				
	4p. 1470 tr/min	1.5 kW	/ 2,01 HP	
Drain valve		1,0 101	2,0111	
		:	2"	
Water supply			-	
	Hard, soft, warm water	3	/4"	
Steam connection		0		
olean connection	Steam connection	3	/8"	
Heating		0	10	
licating	Electrical 230/400 V	12 k/M 15	L/M 18 L/M	
	Electrical 400V	12 kW - 15 kW - 18 kW 21 kW - 24 kW		
	Steam		X	
	Warm water (without additional hea	57	X	
Deaking dimension	Warm water (with additional heating	J)	X	
Packing dimensions		4040-050-040		
10/-1	(H x W x D) mm - inch	1310x850x940 mm- 5	01.57X33.46X37.01 inc	
Weight				
	Net	325 kg	716.50 lb.	
	Gross	355 kg	782.64 lb.	
			22	

Dimensions HC135, IHC030, IHC135

Legend: metric mm [inches]

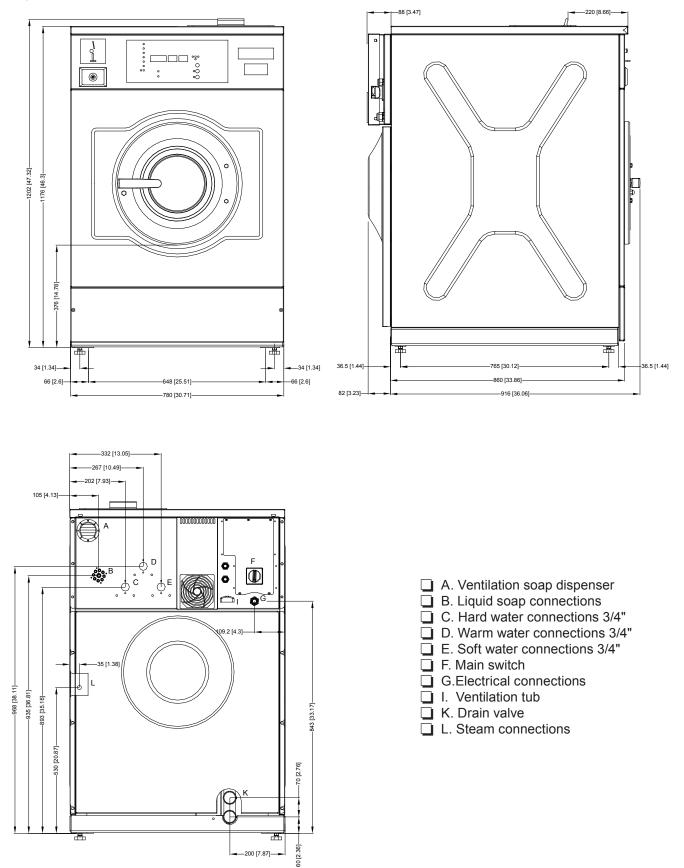


Technical data HC165, IHC035, CHC035, IHC165

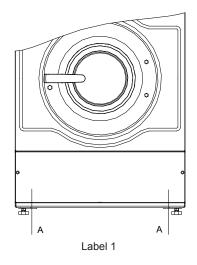
		METRIC	US
Capacity (dry weight) Ratio [k	g/Lit]		
	1:11	15 kg	33.07 lb.
	1:10	16,5 kg	36.38 lb.
	1:9	18,3 kg	40.34 lb.
Cylinder			
	Diameter	650 mm	25.59 inch
	Depth	500 mm	19.69 inch
	Volume	165 Lit	5.83 ft³
Cabinet			
	Height	1202 mm	47.32 inch
	Width	780 mm	30.71 inch
	Depth	942 mm	37.09 inch
Front loading			
-	Diameter door opening	300 mm	11.81 inch
	Height under door	376 mm	14.78 inch
	To center	605 mm	23.82 inch
Speed			
•	Wash	10 - 50 tr/min - RPM	
	Distribution	85 tr/min - R	PM
	Spin	250 - 1000 tr/min - RPM	
G-factor			
	High spin	363	
Dynamic bottom load (N/Hz)			
- ,		1450/16	
Motor (3-phase)			
	4p. 1470 tr/min	1,5 kW / 2,0 ²	1 HP
Drain valve	-p. 1470 trimin	1,0 100 / 2,0	
		2"	
Water supply		L	
	Hard, soft, warm water	3/4"	
Steam connection		5/4	
Steam connection	Steam connection	3/8"	
Heating	Steam connection	5/0	
neating	Electrical 230/400 V	12 1/1/ 15 1/1/	19 1/1/
		12 kW - 15 kW - 18 kW 21 kW - 24 kW	
	Electrical 400V		KVV
	Steam	X	
	Warm water (without additional heating)	•	
De alvin en alima en alterra	Warm water (with additional heating)	Х	
Packing dimensions		1240-050-4000 - 54 55	W00 40-40 50 1
10/-1	(H x W x D) mm - inch	1310x850x1080 mm- 51.57	x33.46x42.52 inc
Weight			
	Net	358 kg	789.25 lb.
	Gross	388 kg	855.39 lb.
			<u> </u>

Dimensions HC165, IHC035, CHC035, IHC165

Legend: metric mm [inches]



25



CAUTION

Ensure that the machine is installed on a level floor of sufficient strength and that the recommended clearances for inspection and maintenance are provided. Never allow the inspection and maintenance space to be blocked.

Surface

The machine (with rubber feet) must be placed on a flat, solid bottom (concrete or fixed ground). When using a metal base or with machines with steam heating, *the machine (without feet) must be anchored* on the 4 provided locations (A) (See Label 1) in the base (bolts M10). (See Mounting Bolt Hole Locations). The height of the pad should not exceed 203 mm - 8 inch.

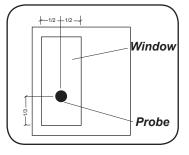
The machine must be placed entirely level. For easy maintenance it is recommended to keep a minimal distance of 600 mm - 23.62 inch between the wall and the back of the machine.

If several machines are placed next to each another, there should be a minimal distance of 30 mm - 1.18 inch between each machine.

– Important –

The bolt pattern for the fixation of the HC60 machine is located in the back panel of the cabinet. Put this panel on the floor and mark the holes (see page 15, reference point J).

Out of balance switch



Label 2

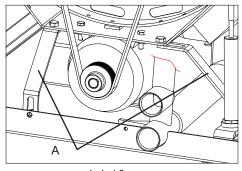
The out of balance switch is mounted on the solid part of the machine. There is a window around the probe of the out of balance switch that is mounted on the movable part of the machine.

When the machine goes out of balance by overloading or uneven distribution of the linen, the out of balance switch will interrupt this action to prevent damage to the machine.

— Important —

To guarantee good functioning, the probe should be centered horizontally and vertically at 1/3 from the bottom of the out of balance window (when machine drum is empty). (See Label 2)

Removal of the transport safety



Label 3

To prevent damage during transportation, the machine has been equipped with two red transport brackets (A) to eliminate every possible movement of the tub. (See Label 3)

After the machine has been placed level, take off the back panel and remove these transport brackets.

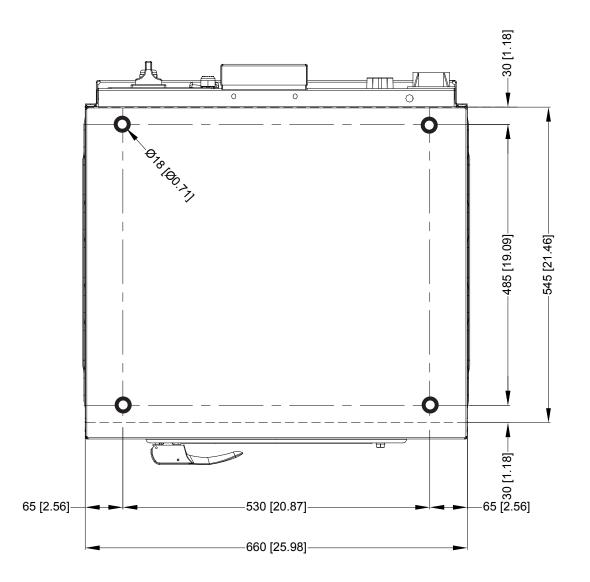
– Warning –

The machine must never be operated **before** *removing these transport brackets.*

Mounting Bolt Hole Locations for machines, HC60, IHC012, IHC060

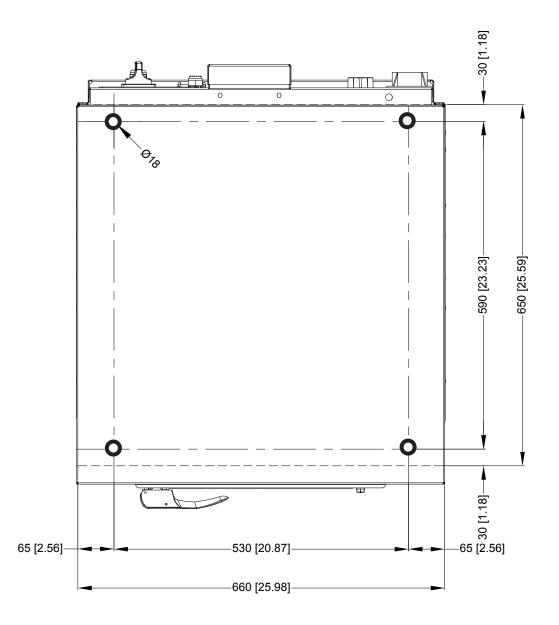
Legend: metric mm [inches]

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Mounting Bolt Hole Locations for machines, HC65, IHC014, IHC065

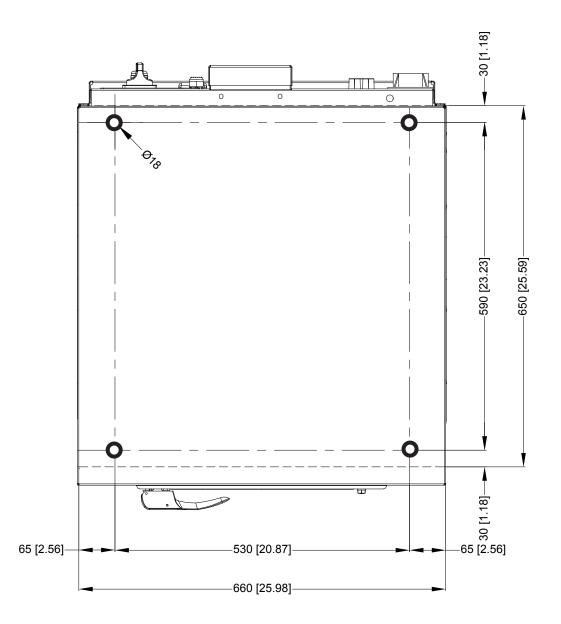
Legend: metric mm [inches]



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Mounting Bolt Hole Locations for machines, HC75, IHC018, CHC018, IHC075

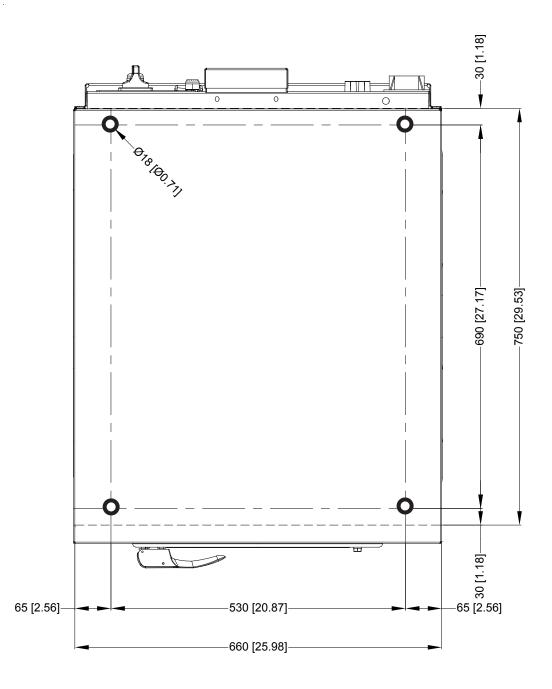
Legend: metric mm [inches]



- 30 -

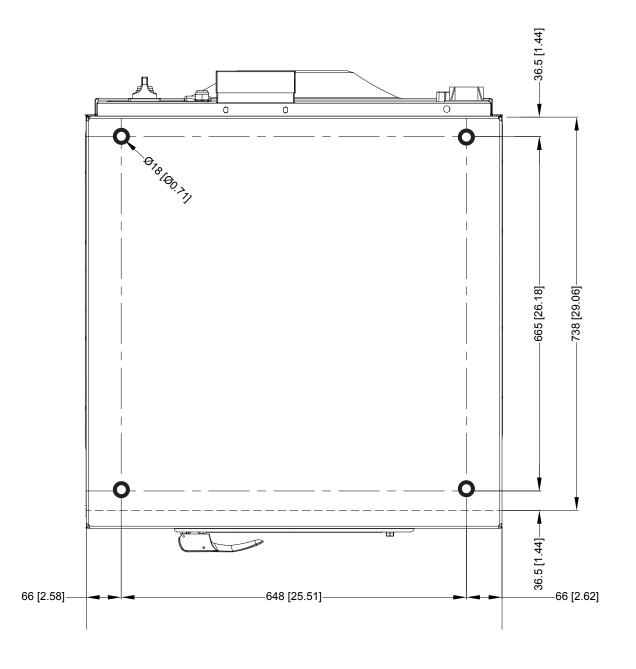
Mounting Bolt Hole Locations for machines, HC100, IHC025, CHC025, IHC100

Legend: metric mm [inches]



Mounting Bolt Hole Locations for machines, HC135, IHC030, IHC135

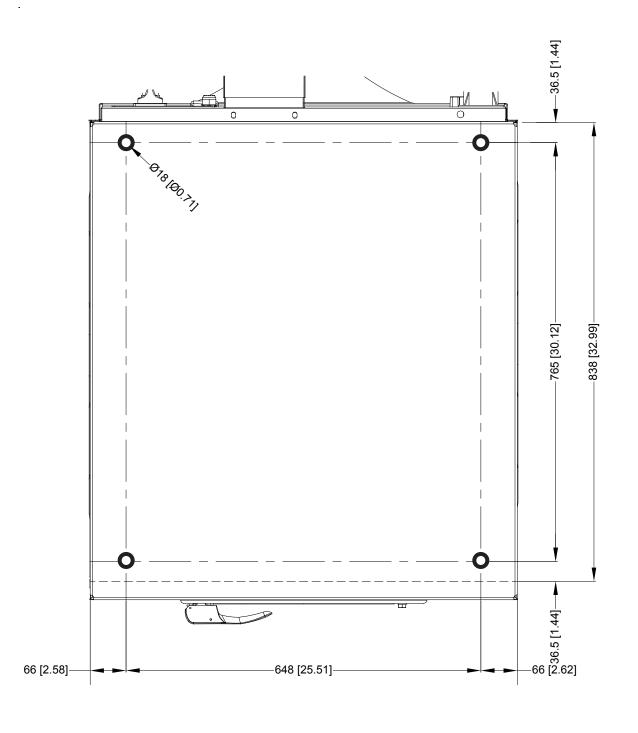
Legend: metric mm [inches]



- 32 -

Mounting Bolt Hole Locations for machines, HC165, IHC035, CHC035, IHC165

Legend: metric mm [inches]



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Water connection

The machine is delivered with hoses with 3/4" connections. These hoses fit the water inlet valves of the machine and the main water inlet taps. All the inlet valves have to be connected. To ensure the optimal functioning of the water inlet valves, the water pressure on the inlet should be between 3 and 5 bar (40 and 80 psi). If the pressure is too low, the cycle time will increase considerably.

International inlet flow capacity per minute (gallons / liters): 4.23 / 16. US inlet flow capacity per minute (gallons / liters): 5.28 / 20.

In case of boiler fed machines, a minimum of hot water of $90^{\circ}C$ - $194^{\circ}F$ should be available per unit. (See Table 1)

MODEL	Min Contents Boiler	
MODEL	METRIC	US
For the HC60, IHC012, IHC060	46 I.	1.62 ft³
For the HC65, IHC014, IHC065	55 I.	1.94 ft³
For the HC75, IHC018, CHC018, IHC075	65 I.	2.29 ft ³
For the HC100, IHC025, CHC025, IHC100	80 I.	2.82 ft³
For the HC135, IHC030, IHC135	100 I.	3.53 ft³
For the HC165, IHC035, CHC035, IHC165	120 I.	4.23 ft³

Table 1

To comply with the WRAS water regulations: an 'approved' single check valve or some other no less effective backflow prevention device shall be fitted at the point of connection(s) between the supply and the fitting (IRN R150).



Water drain

The machine is equipped with a drain valve with 2" outer diameter (50 mm). This drain valve should be connected to the drain by means of the drain elbow which is delivered with the machine.

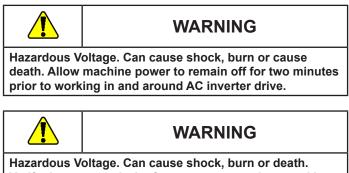
- ☐ The diameter of the main drain should be adapted to the water flow and the number of machines. It should be sufficient to handle at least 80 l/min - 21.13 gal./min per machine.
- It is necessary to connect the main drain at least on one side to an open air-brake to allow ventilation.



Electrical Installation

Important

Electrical ratings are subject to changes. Refer to serial plate decal for electrical ratings information specific to your machine.



Verify that a ground wire from a proven earth ground is connected to the lug near the input power block on this machine.

The AC inverter drive requires a clean power supply free from voltage spikes and surges. If a transformer or generator is connected to the building's power supply, always install line reactors before the terminal block connections to the machine. A voltage monitor should be used to check incoming power. The customer's local power company may provide such a monitor.

If input voltage measures above 240V for a 220V drive or above 480V for a 400V drive, ask the power company to lower the voltage. As an alternative, a step-down transformer kit is available from the distributor.

The AC drive provides overload protection for the drive motor. However, a separate single or three-phase circuit breaker must be installed for complete electrical overload protection. This prevents damage to the motor by disconnecting all legs if one should be lost accidentally. Check the data plate on the back of the washer-extractor or consult Table 2 through 7 for circuit breaker requirements.

IMPORTANT: Do NOT use fuses in place of a circuit breaker.

For installation in the United States or Canada, branch circuit protection must be provided according to National and Local Codes. The branch circuit breaker must be of the inverse time or instantaneous trip type at the values given in the technical specifications for each machine. Use a circuit breaker of the minimal type of 10kA interrupt current.

CAUTION

Do not use a voltage or phase converter on any variable speed machine.

The washer-extractor should be connected to an individual branch circuit not shared with lighting or another electrical device.

- In accordance with legal regulations, every machine must be protected with an earth leakage circuit breaker of 30mA.
- The earth leakage circuit breaker, which one uses, must be of the type SI.
- For countries outside the European Community, the usual safety instructions must be observed.

The connection should be shielded in a liquid tight or approved flexible conduit with proper conductors of correct size installed in accordance with the National Electric Code or other applicable codes. The connection must be made by a qualified electrician using the wiring diagram provided with the washer-extractor, or according to accepted European standards for CE-approved equipment.

Use wire sizes indicated in Table 2 through 7 for runs up to 50 feet.

Use next larger size for runs of 50 to 100 feet. Use two sizes larger for runs greater than 100 feet.

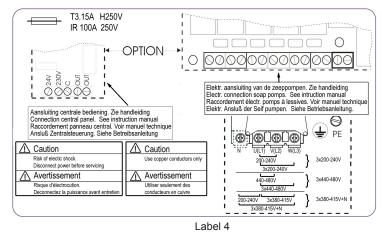
For personal safety and proper operation, the washer-extractor must be grounded in accordance with state and local standards. If such standards are not available, grounding must conform to the National Electric Code, article 250-95. The ground connection must be made to a proven earth ground, not to a water pipe, gas pipe, or another metal pipe. Provide the necessary equipotential connections according to the local electrical prescriptions.

GROUNDING INSTRUCTIONS

This appliance must be connected to a grounded metal, permanent wiring system; or an equipmentgrounding conductor must be run with the circuit conductors and connected to the equipmentgrounding terminal or lead on the appliance.

IMPORTANT: Alliance Laundry Systems Warranty does not cover components that fail as a result of improper input voltage.

Main power connection



Connection label:

Machine power connections are made at the back of the machine. Three or four conductor power cable is the recommended method (See chapter electrical specs for minimum cable requirements, if local electrical codes exceed these requirements, follow local codes). The number of conductors in this cable and the proper connection points for the cable wires shall be determined by the machine and power requirements. All machines must have a ground wire and be properly grounded. The ground wire must be insulated with a green/yellow color. This wire is normally within the power cable but can also be a separate wire run along side the power cable if properly sized.

Never run a machine that does not have a ground wire. This ground wire must be connected to the machine grounding lug found near the main switch. This lug is identified with the international "protective earth" symbol and the letters "PE". Failure to connect this ground wire can lead to an unsafe machine condition leading to machine damage and/or operator injury or death. This wire must be connected to earth ground at far end.

Machine Power Cable Connections:

Remove main switch cover plate at back of machine (see chapter dimensions part (F)). Run power cable through the cabinet knock-out located directly below the cover plate. Before installing, obtain and install a cord-grip to hold the cable in place. Never rely upon the electrical connections to hold cable in place. Allow some slack in this cable outside of the machine to form a drip-loop between the supply power circuit breaker and the machine knock-out. Connect power cable wires as directed below. Always connect the ground wire first and remove last.

Wiring based on the supply power and machine design (voltage/frequency):

440-480 Volts, 3-Phase, 3-wire or 4-wire + PE, 50 or 60 Hertz Configuration (Named: N-Voltage):

With supply power of: 440-480 Volts, 3-phase, 3-wire, after connecting the green/yellow PE ground wire, connect one wire to each of the bottom terminals of the power contactor switch marked: "L1,L2,L3". When this supply power has four wires, connect this 4th wire, identified as a neutral wire, to the bottom terminal of the auxiliary contactor on the power contactor switch marked: "N". Connect the remaining power wires as first noted.

380-415 Volts, 3-Phase, 4-wire + PE, 50 or 60 Hertz Configuration (Named: P-Voltage):

With supply power of: 380-415 Volts, 3-phase, 4-wire, after connecting the green/yellow PE ground wire, follow the directions of the four wire system for 440-480 Volt configuration.

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200-240 Volts, 3-Phase, 3-wire + PE, 50 or 60 Hertz Configuration (Named: Q-Voltage or 3-phase X-Voltage):

With supply power of: 200-240 Volts, 3-phase, 3-wire, after connecting the green/yellow PE ground wire, connect one power wire to each of the terminals at the bottom of the power contactor switch marked: "L1,L2,L3".

200-240 volts, 1-Phase, 2-wire + PE, 50 Hertz (called 1-phase, 50 Hz X-voltage):

With supply power of: 200-240 Volts, 1-phase, 2-wire, 50Hz, after connecting the green/yellow PE ground wire, connect the power wire to the "L1" bottom terminal of the power contactor switch and the other wire, identified as the neutral wire, to the bottom terminal of the auxiliary contactor on the power contactor switch marked: "N".

200-240 volts, 1-Phase, 2-wire + PE, 60 Hertz (called 1-phase, 60 Hz X-voltage):

With supply power of: 200-240 Volts, 1-phase, 2-wire, 60Hz, after connecting the green/yellow PE ground wire, connect one power wire to the "L1" and power wire to the "L2" of the bottom terminals of the power contactor switch.

After connection, check the *spin direction*. The cylinder must spin in the *clockwise direction*. A wrong spin direction can damage the motor and can also cause water to spurt from the soap dispenser.

□ In case of *wrong spin direction:* switch the terminal clamps of the motor circuit "R" and "S" of the connecting cable or change the connection at the terminal block switching the L1 and L2 wires.



WARNING

The washer-extractor should be connected to an individual branch circuit not shared with lighting or other equipment.

Electrical Specifications HC60, IHC012, IHC060

					60) lite	rs / 12 p	ounds	;				
					B	oiler I	ed/Steam	Heat		Ele	ectric	Heat	
Code	Voltage	Cycle	Phase	Wire	Full Load Amps		Recommended Circuit Breaker (US-market)	AWG/mm2	kW Standard Heating Elements	Full Load Amps	iiidi Net)	Recommended Circuit Breaker (US-	AWG/mm2
						US	NON-US				US	NON-US	
Ν	440-480	50/60	3	3+PE	3	10	10	14/2.5		12	15	16	14/2.5
Р	380-415	50/60	3	3+N+PE	7	15	16	14/2.5	222 1444	16	20	20	12/4.0
Q	200-240	50/60	3	3+PE	7	15	16	14/2.5	3x2 kW	23	30	32	10/6.0
X	200-240	50/60	1/3	2/3+PE	7	15	16	14/2.5		N/A	N/A	N/A	N/A
				^					Alterna	ative E	lectric	c Heat Opti	ons
Ν	440-480	50/60	3	3+PE						N/A	N/A	N/A	N/A
Р	380-415	50/60	3	3+N+PE					0.4 4 1.14	13	15	16	14/2.5
Q	200-240	50/60	3	3+PE					3x1.4 kW	18	20	20	12/4.0
Х	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A

Table 2

 WARNING

 The washer-extractor should be connected to an individual branch circuit not shared with lighting or other equipment.

Electrical Specifications HC65, IHC014, IHC065

					65	i lite	rs / 14 p	ounds					
					B	oiler F	ed/Steam	Heat		Ele	ectric	Heat	
Code	Voltage	Cycle	Phase	Wire	Full Load Amps		Recommended Circuit Breaker (US-market)	AWG/mm2	kW Standard Heating Elements	Full Load Amps	ווומו אפו)	Recommended Circuit Breaker (US-	AWG/mm2
						US	NON-US				US	NON-US	
Ν	440-480	50/60	3	3+PE	4	10	10	14/2.5		13	15	16	14/2.5
Р	380-415	50/60	3	3+N+PE	12	15	16	14/2.5	3x2 kW	21	30	25	10/6.0
Q	200-240	50/60	3	3+PE	12	15	16	14/2.5	JXZ KVV	27	30	32	10/6.0
X	200-240	50/60	1/3	2/3+PE	12	15	16	14/2.5		N/A	N/A	N/A	N/A
									Alterna	ative E	lectric	: Heat Opti	ons
N	440-480	50/60	3	3+PE						N/A	N/A	N/A	N/A
Р	380-415	50/60	3	3+N+PE					214 4 10 10	18	20	20	12/4.0
Q	200-240	50/60	3	3+PE					3x1.4 kW	23	30	25	10/6.0
X	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A
N	440-480	50/60	3	3+PE						N/A	N/A	N/A	N/A
Р	380-415	50/60	3	3+N+PE					3x3 kW	25	30	32	10/6.0
Q	200-240	50/60	3	3+PE					323 KVV	35	40	40	8/10.0
Х	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A
N	440-480	50/60	3	3+PE						21	30	25	10/6.0
Р	380-415	50/60	3	3+N+PE					3x4 kW	29	40	32	8/10.0
Q	200-240	50/60	3	3+PE					3X4 KVV	N/A	N/A	N/A	N/A
Х	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A

Table 3



WARNING

The washer-extractor should be connected to an individual branch circuit not shared with lighting or other equipment.

Electrical Specifications HC75, IHC018, CHC018, IHC075

					75	lite	rs / 18 p	ounds	;				
					B	oiler I	- ed/Steam	Heat		Ele	ectric	Heat	
Code	Voltage	Cycle	Phase	Wire	Full Load Amps		Recommended Circuit Breaker (US-market)	AWG/mm2	kW Standard Heating Elements	Full Load Amps	וומואפון	Recommended Circuit Breaker (US-	AWG/mm2
						US	NON-US				US	NON-US	
Ν	440-480	50/60	3	3+PE	4	10	10	14/2.5		13	15	16	14/2.5
Р	380-415	50/60	3	3+N+PE	12	15	16	14/2.5	3x2 kW	21	30	25	10/6.0
Q	200-240	50/60	3	3+PE	12	15	16	14/2.5	JXZ KVV	27	30	32	10/6.0
Х	200-240	50/60	1/3	2/3+PE	12	15	16	14/2.5		N/A	N/A	N/A	N/A
									Alterna	ative E	lectric	: Heat Opti	ons
Ν	440-480	50/60	3	3+PE						N/A	N/A	N/A	N/A
Р	380-415	50/60	3	3+N+PE					224 4 1/14	18	20	20	12/4.0
Q	200-240	50/60	3	3+PE					3x1.4 kW	23	30	25	10/6.0
Х	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A
Ν	440-480	50/60	3	3+PE						N/A	N/A	N/A	N/A
Р	380-415	50/60	3	3+N+PE					222 14/14	25	30	32	10/6.0
Q	200-240	50/60	3	3+PE					3x3 kW	35	40	40	8/10.0
Х	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A
N	440-480	50/60	3	3+PE						21	30	25	10/6.0
Р	380-415	50/60	3	3+N+PE					0.4 1.00	29	40	32	8/10.0
Q	200-240	50/60	3	3+PE					3x4 kW	N/A	N/A	N/A	N/A
Х	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A

Table 4

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 WARNING

 The washer-extractor should be connected to an individual branch circuit not shared with lighting or other equipment.

Electrical Specifications HC100, IHC025, CHC025, IHC100

					10	0 lite	ers / 25 p	ound	S				
					B	oiler I	- ed/Steam	Heat		Ele	ectric	Heat	
Code	Voltage	Cycle	Phase	Wire	Full Load Amps		Recommended Circuit Breaker (US-market)	AWG/mm2	kW Standard Heating Elements	Full Load Amps	ilidi Net)	Recommended Circuit Breaker (US-	AWG/mm2
						US	NON-US				US	NON-US	
Ν	440-480	50/60	3	3+PE	4	10	10	14/2.5		13	15	16	14/2.5
Р	380-415	50/60	3	3+N+PE	12	15	16	14/2.5	3x2 kW	21	30	25	10/6.0
Q	200-240	50/60	3	3+PE	12	15	16	14/2.5	JXZ KVV	27	30	32	10/6.0
Х	200-240	50/60	1/3	2/3+PE	12	15	16	14/2.5		N/A	N/A	N/A	N/A
									Alterna	ative E	lectric	c Heat Opti	ons
Ν	440-480	50/60	3	3+PE						N/A	N/A	N/A	N/A
Р	380-415	50/60	3	3+N+PE					3x1.4 kW	18	20	20	12/4.0
Q	200-240	50/60	3	3+PE					3X1.4 KVV	23	30	25	10/6.0
Х	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A
Ν	440-480	50/60	3	3+PE						N/A	N/A	N/A	N/A
Р	380-415	50/60	3	3+N+PE					222 1/1/	25	30	32	10/6.0
Q	200-240	50/60	3	3+PE					3x3 kW	35	40	40	8/10.0
Х	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A
N	440-480	50/60	3	3+PE						21	30	25	10/6.0
Р	380-415	50/60	3	3+N+PE					224 1001	29	40	32	8/10.0
Q	200-240	50/60	3	3+PE					3x4 kW	N/A	N/A	N/A	N/A
Х	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A

Table 5



WARNING

The washer-extractor should be connected to an individual branch circuit not shared with lighting or other equipment.

Electrical Specifications HC135, IHC030, IHC135

					13	5 lite	ers / 30 p	ound	S				
					B	oiler F	ed/Steam	Heat		Ele	ectric	Heat	
Code	Voltage	Cycle	Phase	Wire	Full Load Amps		Recommended Circuit Breaker (US-market)	AWG/mm2	kW Standard Heating Elements	Full Load Amps	ווומו אכוי	ided er (US-	AWG/mm2
						US	NON-US				US	NON-US	
Ν	440-480	50/60	3	3+PE	6	15	10	14/2.5		23	30	32	10/6.0
Р	380-415	50/60	3	3+N+PE	18	20	20	12/4.0	6x2 kW	36	40	40	8/10.0
Q	200-240	50/60	3	3+PE	18	20	20	12/4.0	0/12 1111	49	60	60	6/16.0
Х	200-240	50/60	1/3	2/3+PE	18	20	20	12/4.0		N/A	N/A	N/A	N/A
									Alterna		lectri	c Heat Opti	
Ν	440-480	50/60	3	3+PE						28	40	40	8/10.0
Р	380-415	50/60	3	3+N+PE					3x3 kW +	40	50	50	8/10.0
Q	200-240	50/60	3	3+PE					3x2 kW	56	60	60	6/16.0
Х	200-240	50/60	1/3	2/3+PE						56	60	60	6/16.0
Ν	440-480	50/60	3	3+PE						32	40	40	8/10.0
Р	380-415	50/60	3	3+N+PE					6x3 kW	44	50	50	8/10.0
Q	200-240	50/60	3	3+PE					0.0	63	70	70	4/25.0
Х	200-240	50/60	1/3	2/3+PE						63	70	70	4/25.0
Ν	440-480	50/60	3	3+PE						36	40	40	8/10.0
Р	380-415	50/60	3	3+N+PE					3x3 kW +	49	60	60	6/16.0
Q	200-240	50/60	3	3+PE					3x4 kW	N/A	N/A	N/A	N/A
Х	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A
N	440-480	50/60	3	3+PE						41	50	50	8/10.0
Р	380-415	50/60	3	3+N+PE					GVA LAM	53	60	60	6/16.0
Q	200-240	50/60	3	3+PE					6x4 kW	N/A	N/A	N/A	N/A
Х	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A

Table 6

 WARNING

 The washer-extractor should be connected to an individual branch circuit not shared with lighting or other equipment.

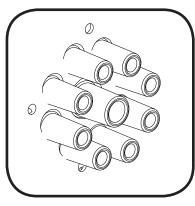
Electrical Specifications HC165, IHC035, CHC035, IHC165

					16	5 lite	ers / 35 p	ound	S				
					B	oiler I	Fed/Steam	Heat		Ele	ectric	Heat	
Code	Voltage	Cycle	Phase	Wire	Full Load Amps		Recommended Circuit Breaker (US-market)	AWG/mm2	kW Standard Heating Elements	Full Load Amps	וומואכני	ded 9r (US-	AWG/mm2
						US	NON-US				US	NON-US	
Ν	440-480	50/60	3	3+PE	6	15	10	14/2.5		32	40	40	8/10.0
Р	380-415	50/60	3	3+N+PE	18	20	20	12/4.0	6x3 kW	44	50	50	8/10.0
Q	200-240	50/60	3	3+PE	18	20	20	12/4.0	0.00 1.00	63	70	70	4/25.0
Х	200-240	50/60	1/3	2/3+PE	18	20	20	12/4.0		63	70	70	4/25.0
									Alterna	-	lectric	Heat Opti	ons
Ν	440-480	50/60	3	3+PE						23	30	32	10/6.0
Р	380-415	50/60	3	3+N+PE					6x2 kW	36	40	40	8/10.0
Q	200-240	50/60	3	3+PE						49	60	60	6/16.0
Х	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A
Ν	440-480	50/60	3	3+PE						28	40	40	8/10.0
Р	380-415	50/60	3	3+N+PE					3x3 kW +	40	50	50	8/10.0
Q	200-240	50/60	3	3+PE					3x2 kW	56	60	60	6/16.0
Х	200-240	50/60	1/3	2/3+PE						56	60	60	6/16.0
Ν	440-480	50/60	3	3+PE						36	40	40	8/10.0
Р	380-415	50/60	3	3+N+PE					3x3 kW +	49	60	60	6/16.0
Q	200-240	50/60	3	3+PE					3x4 kW	N/A	N/A	N/A	N/A
Х	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A
Ν	440-480	50/60	3	3+PE						41	50	50	8/10.0
Р	380-415	50/60	3	3+N+PE					6x4 kW	53	60	60	6/16.0
Q	200-240	50/60	3	3+PE					034 699	N/A	N/A	N/A	N/A
Х	200-240	50/60	1/3	2/3+PE						N/A	N/A	N/A	N/A

Table 7

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Liquid soap connection (option)



Label 5

Connection of the liquid soap hoses

The liquid soap connection consists of *8 connections for liquid soap* (See Label 5).

The central opening is used for ventilation.



WARNING

Dangerous Chemicals. May damage eyes and skin. Wear eye and hand protection when handling chemicals; always avoid direct contact with raw chemicals. Read the manufacturer's directions for accidental contact before handling chemicals. Ensure an eye-rinse facility and an emergency shower are within easy reach. Check at regular intervals for chemical leaks.

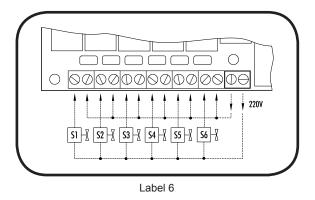
CAUTION

Drill out plugs and nipples before making supply hose connection. Failure to do so can cause buildup of pressure and risk a tubing rupture.

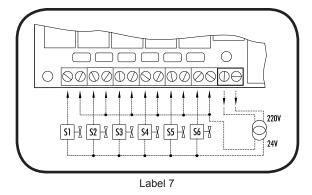
Electrical connection of the liquid soap pumps

On machines equipped with a liquid soap connection, connect the wires *directly on the print board* next to the ground wire connection (option). Connect as indicated on the wiring diagram.

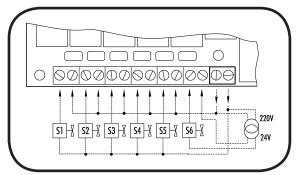
The two connectors on the right give a tension of $220V \sim (max. 4A)$ which can be applied to drive $220V \sim \text{soap}$ pumps. If more than **4A** is required, **an external tension** will have to be used. **6** connections have been provided, of which one (**S6**) can be used to drive a waterproofing pump (e.g. for rain coats, etc.). (See Label 6)



The 220V can be transformed to other values to drive other type soap pumps. Example: pumps 24V ~. (See Label 7)

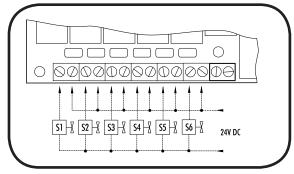


Also, pumps with different operating tension can be combined. Example: 5 pumps 220V ~ and 1 pump 24V ~. (See Label 8)



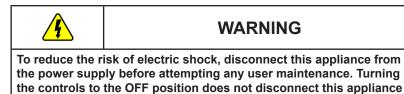
Label 8

With an external tension 24V DC (See Label 9)



Label 9

Connection of a central operating panel for coin machines (option)

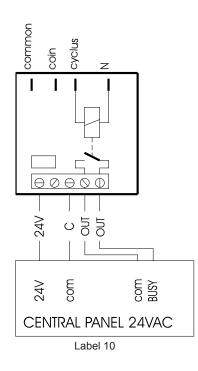


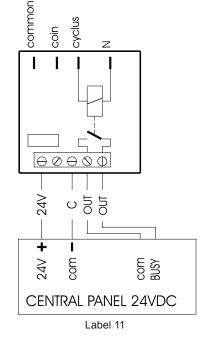
At the backside above the main connectors, you find a printboard, to which the central operating panel for coin machines can be connected.

The right connectors form a potential free output contact as a result of which the operating panel detects when the machine is activated or not.

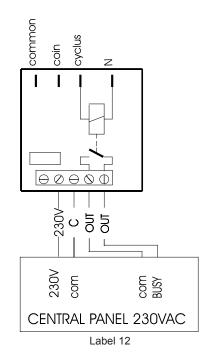
The left connectors receive the signal, by means of which a machine is chosen through the operating panel.

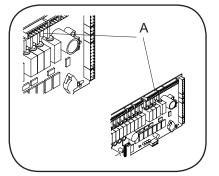
There are 3 different variations possible according to the output voltage of the operating panel. (See Labels 10, 11 and 12)





from the power supply.



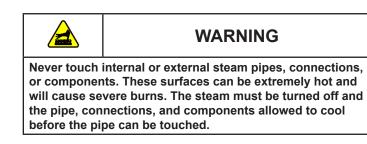


Label 13

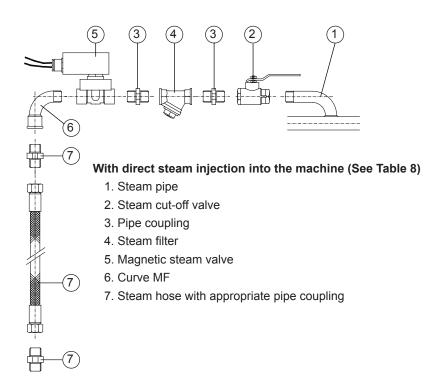
IMPORTANT:

If a machine is equipped with this kind of printboard or if a printboard has been built in, the **resistance of the cycle contact (A) may no longer be present** on the main printboard. (See Label 13)

When this resistance is present, it has to be cut out of the main printboard.



Machines with steam heating must have a steam valve between the steam installation and the machine.



Steam Supply Infor	matior	ו				
MODEL	Steam inlet connection, inch	Number of steam inlets	Recommended pressure, bar	Recommended pressure, psi	Maximum pressure, bar	Maximum pressure, psi
For the HC60, IHC012, IHC060	3/8	1	2.0 - 5.5	30 - 80	5.5	80
For the HC65, IHC014, IHC065	3/8	1	2.0 - 5.5	30 - 80	5.5	80
For the HC75, IHC018, CHC018, IHC075	3/8	1	2.0 - 5.5	30 - 80	5.5	80
For the HC100, IHC025, CHC025, IHC100	3/8	1	2.0 - 5.5	30 - 80	5.5	80
For the HC135, IHC030, IHC135	3/8	1	2.0 - 5.5	30 - 80	5.5	80
For the HC165, IHC035, CHC035, IHC165	3/8	1	2.0 - 5.5	30 - 80	5.5	80

Table 8

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1 AC

Heating	R5
3kw	LC1D0901
4,2 / 6 / 9kw	LC1D1810

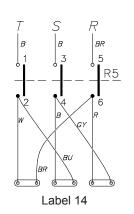
Table 9

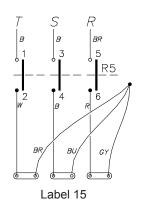
3 A C

Heating		3x230V	R5	3x400V	R5
4,2kw	3x1,4kw	See Label 14	LC1D0901	See Label 15	LC1D0901
6kw	3x2kw	See Label 14	LC1D0901	See Label 15	LC1D0901
9kw	3x3kw	See Label 14	LC1D1810	See Label 15	LC1D0901
12kw	3x4kw			See Label 14	LC1D0901
12kw	3x2kw 3x2kw	See Label 14 See Label 14	LC1D1810 LC1D1810	See Label 15	LC1D0901
15kw	3x2kw 3x3kw	See Label 14 See Label 14	LC1D1810 LC1D1810	See Label 15	LC1D1810
18kw	3x3kw 3x3kw	See Label 14 See Label 14	LC1D1810 LC1D1810	See Label 15	LC1D1810
21kw	3x3kw 3x4kw			See Label 15 See Label 14	LC1D1810 LC1D1810
24kw	3x4kw 3x4kw			See Label 14 See Label 14	LC1D1810 LC1D1810

Table 10

B = Black Br = Brown Gy = Grey Bu = Blue R = Red W = White



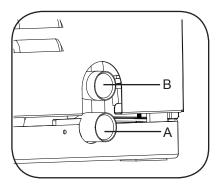


NOTE:

Other executions are available as options.

	4	WARNING	
	from the power Turning the cor	isk of electric shock, disconnect this appliance supply before attempting any user maintenance. ntrols to the OFF position does not disconnect this the power supply.	
	check to make Any person wh at least 10 minu and check that like. The capac	wiring or inspection, power must be switched OFF, sure that the operation panel indicator is off. o is involved in wiring or inspection shall wait for ites after the power supply has been switched OFF there is no residual voltage using a tester or the itor of the inverter or the EMC filter is charged with for some time after power OFF, and it is dangerous.	
End of day	a. Si b. R	n AC drive filter: nap off external plastic cover which contains filter. emove foam filter from cover. ash filter with warm water and allow to air dry. Filter can	be vacuumed clean.
General maintenanc	etc	an the entire cabinet of the machine regularly and remove nove all detergent residue in the soap dispenser with hot	
		an the door gasket and remove all detergents and other p	
	Do r	t off the main water, steam, and power connections at the not change the setting of the water inlet taps on boiler fec e have been installed.	
		recommended to leave the door and soap dispenser ope ilate the machine.	en after use, to
	🗋 Che	ck for proper door lock operation on a daily basis.	
Periodical maintenal	cheo thes	to three months after the first use, the V-belts of the mot cked whether they still have the correct tension. This is n e belts are subject to a one-time stretching when first use e, the belt starts to slip after a few months and will break	ecessary because ed. <i>If this is not</i>
		ck the water inlet filters to make sure they are not blocke	d by calcification.
	_	ck the drain valve for obstructions.	
	bala	machine frequently skips the final spin, check whether th nce switch is still in the appropriate position, that is horiz cally 1/3 from the bottom inside the window. (When the c	ontally centered and

_ 50 ____



- Important –

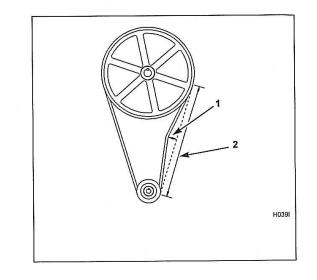
- Clean the drainpipe every 6 months in case drain (B) is used.
- The water still being in the drain needs to be drained using drain (A) before cleaning the drainpipe or replacing the exhaust valve.

Annual maintenance

Belt tension:

- Uverify that the belts are running in the middle of the basket pulley.
- Verify the belt tension according to the table below. Belt tension measurements should be taken as close as possible to the center of the belt span (see figure).

			Belt t	ension tes	ting table			
Model	Belt	Frequer	ncy (Hz)	Tension	force (N)	Deflecti	on (mm)	Deflection force
		MIN	MAX	MIN	MAX	at MIN tension	at MAX tension	МАХ
HC60	8PJ 1355	107	137	470	766	7	4	40
HC65	8PJ 1355	107	137	470	766	7	4	40
HC75	8PJ 1355	107	137	470	766	7	4	40
HC100	8PJ 1355	107	137	470	766	7	4	40
HC135	10J 1473	75	105	316	618	10,5	6,4	40
HC165	10J 1473	75	105	316	618	10,5	6,4	40



- 1 Deflection
- 2 Span length

Nameplate Location

The nameplate is located at the rear of the machine. Always provide the machine's serial number and model number when ordering parts or when seeking technical assistance. See Labels 16 and 17.

000 11111	Tambour:	eau chaude 0.55 kW	Total:
1250 rpm	Vitesse:	1186 N/m 2007	Energie cinétique: Fabriquée en:
	r 6 har	min 4 mo	
IPX4	x o par	(mn 4 - ma	Water pressure:
IPX4		11111 4 - 111a	sfc: 741608
IPX4		tional BVBA	sic: 741608 Alliance Interna
		i tional BVBA uwstraat 146 0 Wevelgem glum	sfc: 741608 Alliance Interna Nieu 8560 Belg
		i tional BVBA uwstraat 146 0 Wevelgem	sfc: 741608 Alliance Interna Nieu 8560 Belo Tel:

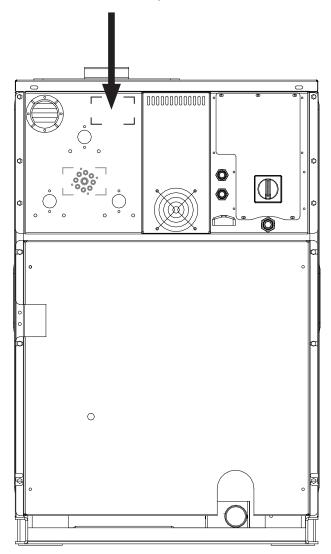
Label 16

Volts Hertz: 200	0-240	50/60	Type: HC100C
Phase:	1/3		
Amps:	12	amps	Capacity: 25/9,5 lbs/kg
Recommended Circuit Breaker: Interrupt Current:	15 10	amps kA	Water 30-85 psi Pressure: 2.07-5.86 bar Max Speed: 1000 rpm
Motor:	1 0.75	hp kW	Net 524 lbs Weight: 238 kg
Elec Heat:	N/A	kW	IPX4
Steam heat:	N/A N/A		sfc: 747731
Alliance I	Mad EL 1-	le in Belg 920-748-3	ium B121 Conterns to ANSUL STD 2157 Conterns to ANSUL STD 2157 Conterns to ANSUL STD 2157

Label 17

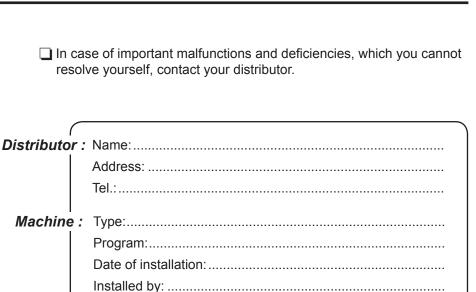
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Position of the Serial plate



Replacement Parts

If literature or replacement parts are required, contact the source from which the machine was purchased or contact the phone numbers or websites shown on the nameplate.



Serial number: Operation voltage and frequency:

In case of important malfunctions and deficiencies, which you cannot resolve yourself, contact your distributor.

Alliance Laundry Systems Shephard Street, PO BOX 990 Ripon, WI 54971-0990 **United States** Tel: 001 920 748 3121 - Fax: 001 920 748 1645 www.comlaundry.com

Alliance International byba Nieuwstraat 146 - B-8560 Wevelgem (Belgium) Tel. +32 56 41 20 54 - Fax +32 56 41 86 74 info@alliancels.eu - www.alliancels.eu

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