

Please read these instructions carefully as they will enable you to get maximum efficiency and reliability from your new Calorex Dehumidifier

Technical Manual

DH30(7)/33(7)50(7)/55(7)/60(7) WALL HUNG DEHUMIDIFIERS

(D139460 ISSUE 21)
21/12/11

HEALTH AND SAFETY WARNING

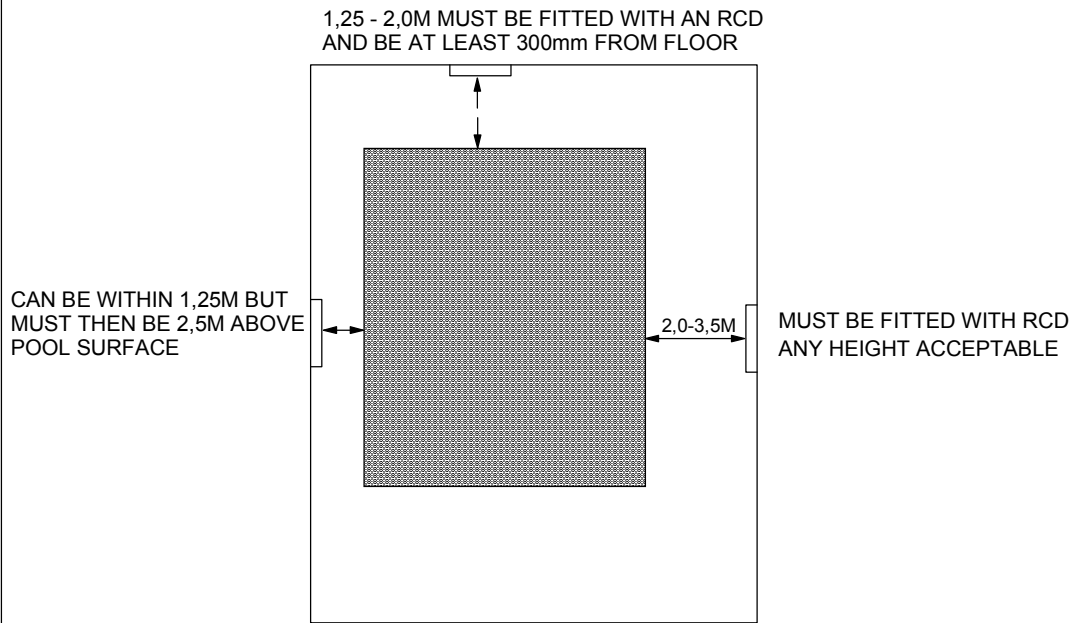
As the dehumidifier embodies electrical and rotational equipment, **ONLY** competent persons should carry out any work on this type of machine. (See Guarantee).

Contents

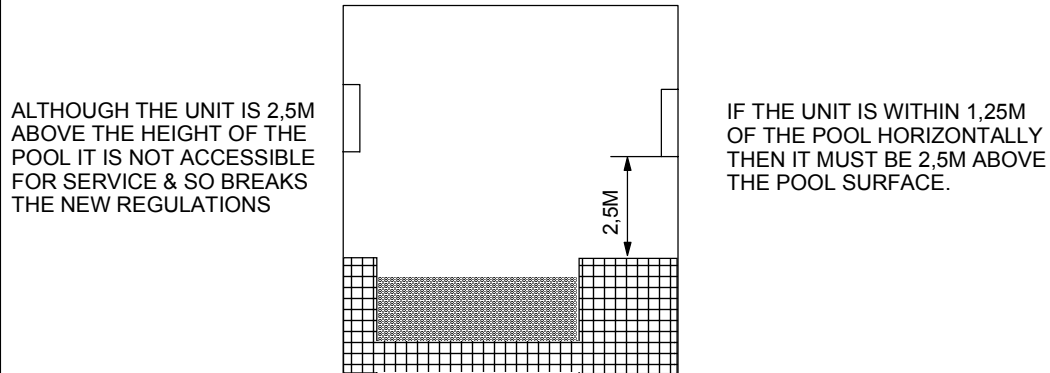
1.0 INSTALLATION DETAILS	2
2.0 DATA SHEET	5
3.0 WIRING DIAGRAMS	7
4.0 PERFORMANCE GRAPHS	14
5.0 DIMENSIONS	17
6.0 SPARE PARTS LISTS	25
7.0 OPTIONAL KITS	70
7.1 LPHW ASSEMBLIES	70
7.2 12V REMOTE HUMIDISTAT KIT	71
7.3 12V REMOTE HUMIDISTAT CONNECTIONS	72
7.4 WEIR KIT	73
7.5 AIR FILTER KITS	74
7.6 FLOOR STAND KITS	76
7.7 REMOVAL AND SERVICING OF DRIPTRAY	77
8.0 WARRANTY CONDITIONS	78

1.0 INSTALLATION DETAILS

LATEST EDITION REGULATIONS AND CALOREX UNITS



- 1) N.B. THE RCD IS AN EARTH LEAKAGE TRIP & ALTHOUGH NOT ALWAYS REQUIRED IT IS RECOMMENDED THAT IT IS USED ON ALL INSTALLATIONS. WHEN FITTED, A 30mA RCD SHOULD BE USED.
- 2) THE ISOLATOR FOR THE DEHUMIDIFIER MUST COMPLY TO THE APPROPRIATE IPX REGULATION



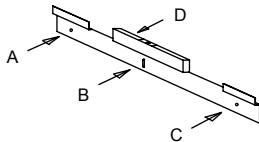


INSTALLATION INSTRUCTIONS
MODELS DH30/33/50/55/60/A/AX/ARH/AP
HEALTH & SAFETY WARNING

As the Heat Pump contains electrical and rotational equipment, it is recommended that ONLY competent persons carry out any work on this type of machine (see guarantee). Isolate electrically before entering machine or removing panels.

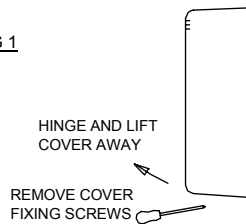
INSTALLATION - WALL MOUNTING ALL MODELS

1. Remove machine from packaging and locate fixing bracket.



2. Locate bracket on wall in required position. Drill hole Ø 6.0mm (no. 10) by 60mm deep as shown at 'A'. Insert wall plug and screw bracket in place.
3. Set bracket level with spirit level 'D' as shown, drill through and fix it at 'B' with wall plug and screw.
4. Ensure bracket still level, tighten screws 'A' and 'B', finally drill and fix as above at position(s) 'C'.
5. Check all screws are tight.
6. Lift dehumidifier on to locating lugs on wall bracket.
7. Remove front cover as shown FIG 1.

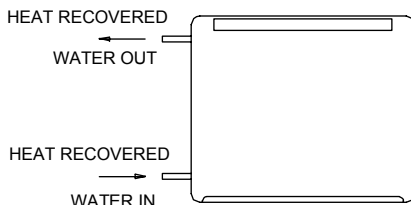
FIG 1



8. Electrical supply to the unit must be sized according to data on serial number label paying special attention to I.E.E. regulations latest edition regarding the special conditions governing electrical supply to machines in potentially damp areas.
9. The electrical supply should be connected to the terminal block mounted on the side of the bracket supporting the compressor or on side panel for CALOTHERM versions Brown/red to 'live', blue/black to neutral and earth to the stud provided.
10. Fan mode switch (if fitted) can be set to cycle fan when humidistat senses demand but should be set to continuous to promote good air circulation and reduce condensation.
 Note that on models fitted with LPHW the fan(s) will start automatically whenever there is an air heating demand.
 On 'X' models fan(s) will stop during defrost cycle.
11. Locate pipe from drip tray and run it away to waste. A short length of 10mm pipe is provided which should be led into a fixed waste pipe. Two pipe outlet holes are provided, one to rear of unit, one below the unit.

'RH' MODEL WITH HEAT RECLAIM TO WATER

12. Connect water circuit piping to 15mm stubs projecting from side of machine as per diagram below:-

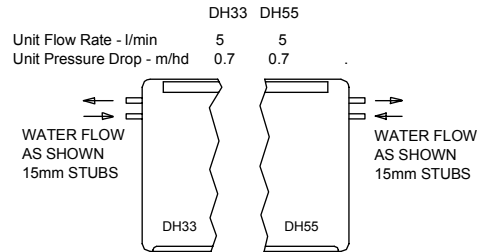


13. It is recommended that isolating valves are fitted to enable isolation of the machine in the event of service.
 Complete water circuit as per diagrams overleaf.
 (a) Circulating pump must be sized to take into account the design flow rate of the machine plus the water system resistance.

	DH30/33 RH	DH50/55/60 RH
Unit Flow Rate - l/min	8/12	12/16
Unit Pressure Drop - m/hd	1.0/2.2	1.0/2.0

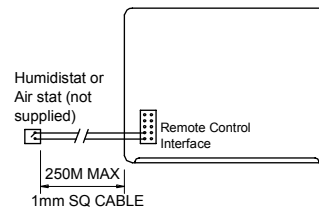
MODELS WITH L.P.H.W. FITTED

14. Connect water circuit piping to 15mm stubs projecting from side of machine as per diagram below:-
15. It is recommended that isolating valves are fitted to enable isolation of the machine in the event of service.
 Complete water circuit as per diagrams overleaf.
 (a) Circulating pump must be sized to take into account the design flow rate of the machine plus the water system resistance.



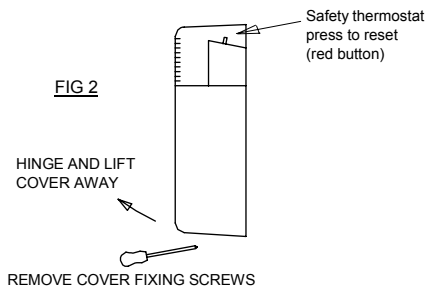
12v REMOTE HUMIDISTAT OR THERMOSTAT CONNECTIONS

16. Remove link wire from mains in terminal block marked 'Remote Control Interface'. Connect remote humidistat as shown below, ensure knob on humidistat in machine is set fully clockwise (ie maximum dehumidification).



'P' MODELS WITH RESISTANCE HEATER

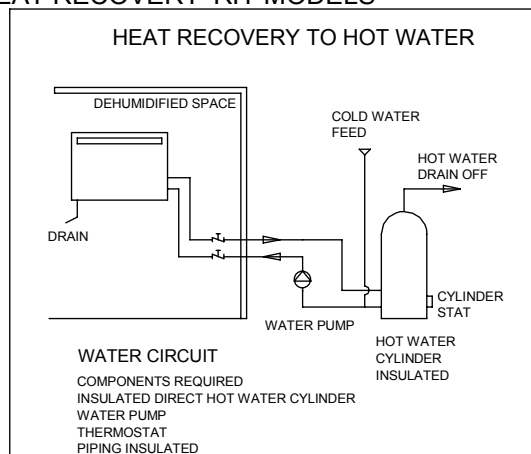
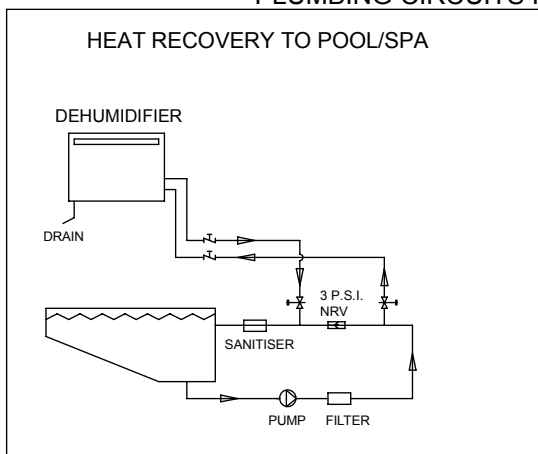
17. Connect remote air thermostat as shown above to mains in terminal block marked 'Remote Control Interface'
18. Ensure safety thermostat(s) below are set, ie push red button(s).



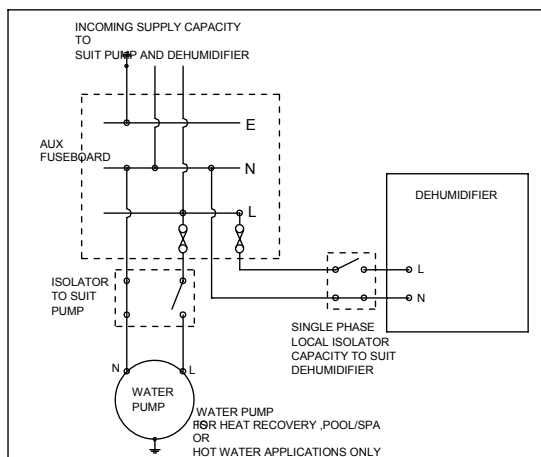
Remove cover to gain access to manual reset thermostat.

19. Replace front cover, turn on electrical supply and turn humidistat towards 'max'. (Unless remote humidistat fitted, see note 16 above) unit fan will start, followed 6 minutes later by the compressor.

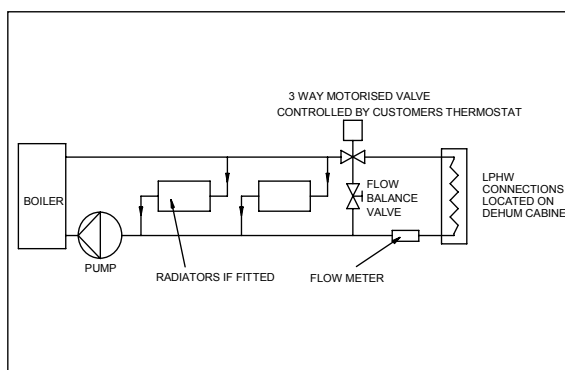
PLUMBING CIRCUITS HEAT RECOVERY 'RH' MODELS



ELECTRICAL SUPPLY CIRCUITS



LPHW PLUMBING SCHEMATIC



USER CHECK LIST

OPERATION

A normal humidistat setting (50-60% RH) is a mid way point on the knob provided.

Minimum Air Temp DH 30/33/50/55/60 A = 15°C

Minimum Air Temp DH 30/33/50/55/60 AX = 0°C

Note :- On 'X' models fan stops during defrost.

On machines with resistance heaters DH30/50/60 'P' heating control is governed by the remote mounted air thermostat, adjust to desired air temp, heater will run automatically as required.

On machines with LPHW, fans will start automatically as required.

MAINTENANCE

a. Ensure air inlet/outlets are kept clear and clean. Filter kits available.

b. Wipe clean with damp cloth or cleaning fluid suitable for fibreglass and/or PVC

Note: The Reply Paid Warranty Registration Card must be returned to ensure the correct warranty is given. If you do not find a Registration Card with your machine please contact CALOREX Service Department giving your name address and serial number of your machine. A card will then be sent to you for completion.

HEALTH & SAFETY WARNING

As the Heat Pump contains electrical and rotational equipment, it is recommended that ONLY competent persons carry out any work on this type of machine (see guarantee)

Isolate machine electrically before entering machine or removing panels.

MACHINE NOT RUNNING AT ALL

CHECK THE FOLLOWING :-

1. Is supply switched on.
2. Is supply fuse healthy
3. Turn humidistat knob fully clockwise.
4. Check air inlet and outlet for obstructions.
5. On 'P' models reset thermostat(s) see Fig 2
6. If, after carrying out the above and waiting 1 hour, the machine does not start phone for service.

MACHINE FAN ONLY RUNNING

7. Turn humidistat knob fully clockwise
8. Check air inlet and outlet for obstructions, if after 30 mins the machine has not restarted phone for service.

WATER LEAKING FROM BASE OF UNIT

9. Check connection from machine to drain for blockages and clear accordingly, Check fall is adequate.
 10. Check that machine is level both vertically and horizontally.
- The user check list should be carried out before initiating a service call. Do not attempt to interfere with any internal control settings as these have been factory calibrated and sealed. If in doubt or if advice is required, contact Calorex Service Dept. Telephone (01621) 857171 or 856611

PLEASE LEAVE INSTRUCTIONS FOR USER

2.0 DATA SHEET

MODEL	DH30(7)A	DH30(7)AX	DH30(7)AP/AXP	DH30(7)ARH	DH50(7)60(7)A	DH50(7)60(7)AX	DH50(7)60(7)AP/AXP	DH50(7)60(7)ARH	*DH60AHP
DEHUMIDIFICATION	L/hr 1.25	1.25	1.25	1.25	2.5	2.5	2.5	2.5	2.1
	L/day 30.0	30.0	30.0	30.0	60.0	60.0	60.0	60.0	50
TOTAL HEAT TO AIR:									
DEHUMIDIFIER ONLY	KW 1.9	1.9	1.9	0.5	3.5	3.5	3.5	0.65	2.2
DEHUM & RESISTANCE HEATER	KW n/a	n/a	2.89	n/a	n/a	n/a	5.55	n/a	6.0
RESISTANCE HEATER ONLY	KW n/a	n/a	2.0	n/a	n/a	n/a	4.0	n/a	4.0
TOTAL HEAT TO WATER	KW n/a	n/a	n/a	1.4	n/a	n/a	n/a	2.8	n/a
NOMINAL POWER CONSUMED:-									
FAN ONLY	KW 0.05	0.05	0.05	0.05	0.11	0.11	0.11	0.11	0.16
DEHUM (COMP & FAN)	KW 0.75	0.75	0.75	0.75	1.2	1.2	1.2	1.2	1.1
DEHUM & HEATER	KW n/a	n/a	2.75	n/a	n/a	n/a	5.2	n/a	5.1
HEATER & FAN	KW n/a	n/a	2.05	n/a	n/a	n/a	4.11	n/a	4.18
SUPPLY	230v50hz	230v50hz	230v50hz	230v50hz	230v50hz	230v50hz	230v50hz	230v50hz	230v50hz
FUSE	AMP 10.0	10.0	20.0	10.0	13.0	13.0	32.0	13.0	33.0
NOMINAL RUNNING AMPS	AMP 3.4	3.4	11.7	3.4	5.6	5.6	22.3	5.6	22.2
FULL LOAD AMPS	AMP 4.4	4.4	12.7	4.4	7.5	7.5	24.2	7.5	23.0
COMPRESSOR L.R.A.	AMP 15.8	15.8	15.8	15.8	30.0	30.0	30.0	30.0	30.0
AIR FLOW	m ³ /h 700	700	700	700	1280	1280	1280	1280	1750
NOISE LEVEL @ 3m	dB/A 52	52	52	52	54	54	54	54	55
WATER FLOW RATE	L/min n/a	n/a	n/a	10	n/a	n/a	n/a	14	n/a
PRESSURE DROP	m hd n/a	n/a	n/a	1.6	n/a	n/a	n/a	1.5	n/a
REFRIGERANT CHARGE	kg R407c 0.5	0.5	0.5	1.04	0.75	0.8	0.75 AP	1.64	R134a
							0.8 AXP		0.8
WEIGHT UNPACKED/PACKED	kg 40/50	40/50	40/50	45/55	60/75	60/75	60/75	65/80	70/78

a) These performance figures are based on air @ 30°C, 60% RH & poolwater @ 28°C and boiler water @ 80°C

*a) These performance figures are based on air @ 36°C, 60% RH

b) Humidistat adjustable from 20% to 80%

c) Minimum air temperature on standard models 15°C and 0°C on defrost 'X' models

d) Maximum operating conditions air temp 35°C and 90% RH

d) Maximum operating conditions for AP versions air temp 32°C and 62% RH

e) IP rating for all units is IP45

f) R407c Global warming potential (GWP)1700

f) R134a Global warming potential (GWP) 1300.

1mm Wg =9.8Pa
1m hd =1.4psi
1L/min=0.22gall/min

2 DATA SHEET CONT

SEE NOTED

MODEL	DH33(7)A	DH33(7)AX	DH33(7)ARH	DH55(7)A	DH55(7)AX	DH55(7)ARH
DEHUMIDIFICATION	L/hr 1.25	L/day 30.0	L/hr 1.25	L/day 30.0	L/hr 2.5	L/day 60.0
TOTAL HEAT TO AIR:						
DEHUMIDIFIER ONLY	kW 1.9	kW 1.9	kW 0.5	kW 3.5	kW 3.5	kW 0.65
DEHUM & LPHW	kW 3.9	kW 3.9	kW 3.4	kW 6.5	kW 6.5	kW 5.4
LPHW ONLY	kW 3.0	kW 3.0	kW 3.0	kW 5.0	kW 5.0	kW 5.0
TOTAL HEAT TO WATER	kW n/a	kW n/a	kW 1.4	kW n/a	kW n/a	kW 2.8
NOMINAL POWER CONSUMED:-						
FAN ONLY	kW 0.05	kW 0.05	kW 0.05	kW 0.11	kW 0.11	kW 0.11
DEHUM (COMP & FAN)	kW 0.75	kW 0.75	kW 0.75	kW 1.2	kW 1.2	kW 1.2
SUPPLY	230v50hz	230v50hz	230v50hz	230v50hz	230v50hz	230v50hz
FUSE	AMP 10.0	AMP 10.0	AMP 10.0	AMP 13.0	AMP 13.0	AMP 13.0
NOMINAL RUNNING AMPS	AMP 3.4	AMP 3.4	AMP 3.4	AMP 5.6	AMP 5.6	AMP 5.6
FULL LOAD AMPS	AMP 4.4	AMP 4.4	AMP 4.4	AMP 7.5	AMP 7.5	AMP 7.5
COMPRESSOR L.R.A.	AMP 15.8	AMP 15.8	AMP 15.8	AMP 30.0	AMP 30.0	AMP 30.0
AIR FLOW	m ³ /h 440	m ³ /h 440	m ³ /h 440	m ³ /h 740	m ³ /h 740	m ³ /h 740
NOISE LEVEL @ 3m	dB/A 48	dB/A 48	dB/A 48	dB/A 48	dB/A 48	dB/A 48
WATER FLOW RATE	L/min n/a	L/min n/a	L/min 10	L/min n/a	L/min n/a	L/min 14
PRESSURE DROP	m hd n/a	m hd n/a	m hd 1.6	m hd n/a	m hd n/a	m hd 1.5
LPHW FLOW RATE	L/min 5.0	L/min 5.0	L/min 5.0	L/min 5.0	L/min 5.0	L/min 5.0
LPHW PRESSURE DROP	m hd 1.1	m hd 1.1	m hd 1.1	m hd 1.8	m hd 1.8	m hd 1.8
LPHW VOLUME	l 0.5	l 0.5	l 0.5	l 0.85	l 0.85	l 0.85
REFRIGERANT CHARGE	kg R407c 0.5	kg R407c 0.5	kg R407c 1.04	kg R407c 0.76	kg R407c 0.8	kg R407c 1.64
WEIGHT UNPACKED/PACKED	kg 40/50	kg 40/50	kg 45/55	kg 60/75	kg 60/75	kg 65/80

a) These performance figures are based on air @ 30°C, 60% RH & poolwater @ 28°C and boiler water @ 80°C

b) Humidistat adjustable from 20% to 80%

c) Minimum air temperature on standard models 15°C and 0°C on defrost 'X' models

d) Reduced LPHW output when DH operating is 1kW less on 33 model and 2KW less on 55 model

e) Maximum operating conditions air temp 35°C and 90% RH

e) Maximum operating conditions for AP versions air temp 32°C and 62% RH

f) IP rating for all units is IP45

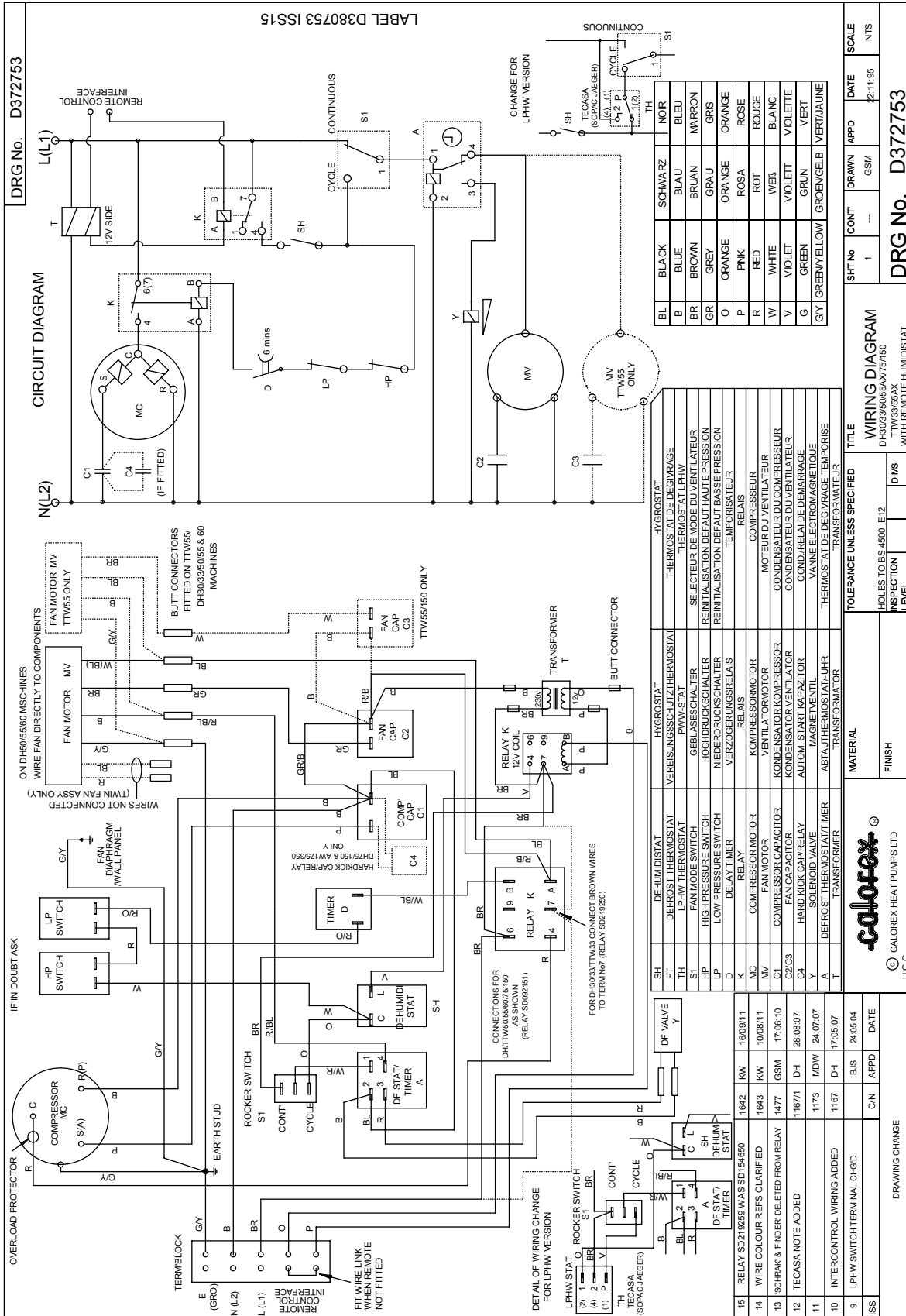
g) R407c Global warming potential (GWP) 1700.

1mm Wg = 9.8Pa

1m hd = 1.4psi

1L/min = 0.22 gal/min

3 WIRING DIAGRAMS CONT



© CALOREX HEAT PUMPS LTD
U.C.C.

ISS	DATE	C/N	APPD	B/S	DATE	MATERIAL	FINISH
15	16/09/11	1642	KW	1609/11	24-05-04	TRANSFORMER	TRANSFORMER
14	10/08/11	1643	KW	10/08/11	17-05-07	DEFROST THERMOSTAT/RELAY	DEFROST THERMOSTAT/RELAY
13	17/06/10	1477	GSM	17/06/10	17-05-07	CONDENSATOR CAPACITOR	CONDENSATOR CAPACITOR
12	28/08/07	1167/1	DH	28/08/07	17-05-07	SOLENOID VALVE	SOLENOID VALVE
11	24-07-07	1173	MDW	24-07-07	17-05-07	DEFROST THERMOSTAT/RELAY	DEFROST THERMOSTAT/RELAY
10	17-05-07	1167	DH	17-05-07	17-05-07	DEFROST THERMOSTAT/RELAY	DEFROST THERMOSTAT/RELAY
9	24-05-04	1167	DH	24-05-04	17-05-07	DEFROST THERMOSTAT/RELAY	DEFROST THERMOSTAT/RELAY

WIRING DIAGRAM
DH3033/50/55A X/75/150
TTW33/55AX
WITH REMOTE HUMIDISTAT

DRG No. D372753

SCALE NTS

DATE 22-11-95

APPD GSM

DRAWN GSM

CONT ---

SHT No 1

TOLERANCE UNLESS SPECIFIED

HOLES TO BS. 4500. E12

INSPECTION LEVEL

DIMS

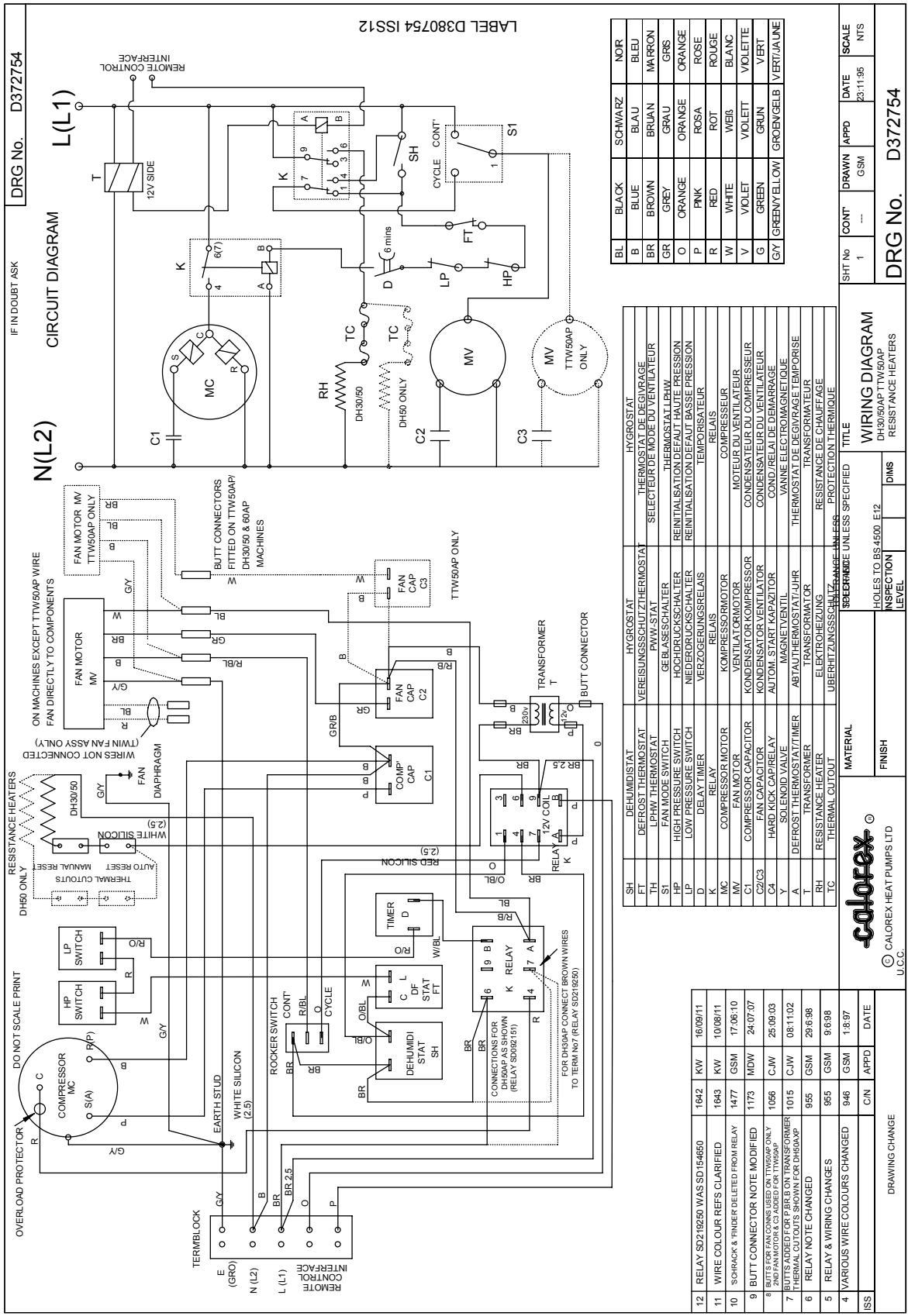
TITLE WIRING DIAGRAM

MATERIAL

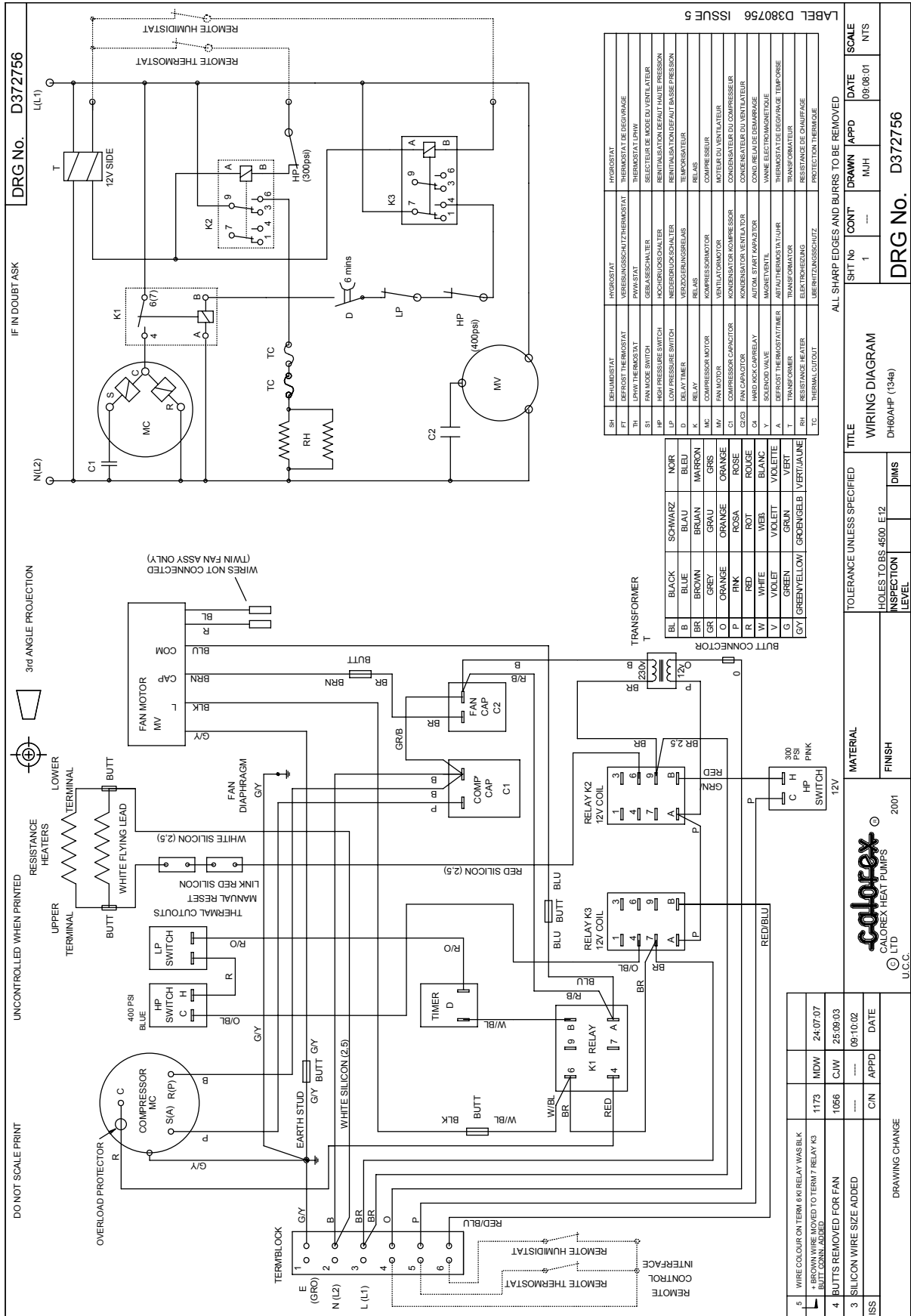
FINISH

DRAWING CHANGE

3 WIRING DIAGRAMS CONT



3 WIRING DIAGRAMS CONT



DRG No. D372756

IF IN DOUBT ASK

3rd ANGLE PROJECTION

UNCONTROLLED WHEN PRINTED

DO NOT SCALE PRINT

SH	DEHUMIDISTAT	HYGROSTAT	HYGROSTAT
FT	DEFROST THERMOSTAT	VEREISUNGSSCHUTZTHERMOSTAT	THERMOSTAT DE DEGIVAGE
TH	LPW THERMOSTAT	FWWSTAT	THERMOSTAT LPW
S1	FAN MODE SWITCH	GEBLAESCHALTER	SELECTEUR DE MODE DU VENTILATEUR
HP	HIGH PRESSURE SWITCH	HOCHDRUCKSCHALTER	RENTAISSEMENT DE HAUTE PRESSION
LP	LOW PRESSURE SWITCH	NIEDERDRUCKSCHALTER	RENTAISSEMENT DE BASSE PRESSION
D	DELAY TIMER	VERZÖGERUNGSRELAYS	TEMPORISATEUR
K	RELAY	RELAYS	RELAIS
MC	COMPRESSOR MOTOR	KOMPRESSORMOTOR	COMPRESSEUR
MV	FAN MOTOR	VENTILATEURMOTOR	MOTEUR DU VENTILATEUR
C1	COMPRESSOR CAPACITOR	KONDENSATOR KOMPRESSOR	CONDENSATEUR DU COMPRESSEUR
C2	FAN CAPACITOR	KONDENSATOR VENTILATOR	CONDENSATEUR DU VENTILATEUR
C3	HARD KICK CAPRELAY	AUTOM. START KAPAZITOR	COND. REL. DE DEMARRAGE
Y	SOLENOID VALVE	SOLENOIDVENTIL	VANNE ELECTROMAGNETIQUE
A	DEFROST THERMOSTAT/TIMER	ABTAUTHERMOSTAT/TIMER	THERMOSTAT DE DEGIVAGE TEMPORISE
T	TRANSFORMER	TRANSFORMATOR	TRANSFORMATEUR
RH	RESISTANCE HEATER	ELEKTRISCHES	RESISTANCE DE CHAUFFAGE
TC	THERMAL CUTOFF	UBERHEIZUNGSSCHUTZ	PROTECTION THERMIQUE

BL	BLACK	SCHWARZ	NOIR
B	BLUE	BLAU	BLEU
BR	BROWN	BRAUN	MARRON
GR	GREY	GRAU	GRIS
O	ORANGE	ORANGE	ORANGE
R	RED	ROT	ROUGE
W	WHITE	WEISS	BLANC
V	VIOLET	VIOLETT	VIOLETTE
G	GREEN	GRÜN	VERT
GY	GREEN/YELLOW	GRÜNGELB	VERT/JAUNE

TRANSFORMER

BUTT CONNECTOR

5	WIRE COLOUR ON TERM 6 IN RELAY WAS BLK	1173	MDW	24/07/07
4	BROWN WIRE MOVED TO TERM 7 RELAY K3 BUT LEAD ADDED	1056	CJW	25/09/03
3	SILICON WIRE SIZE ADDED			09/10/02
ISS		CIN	APPD	DATE

ALL SHARP EDGES AND BURRS TO BE REMOVED

SCALE: NTS

DATE: 09/06/01

DRAWN: MUH

APPD: MUH

DRG No. D372756

WIRING DIAGRAM

DM5

FINISH

2001

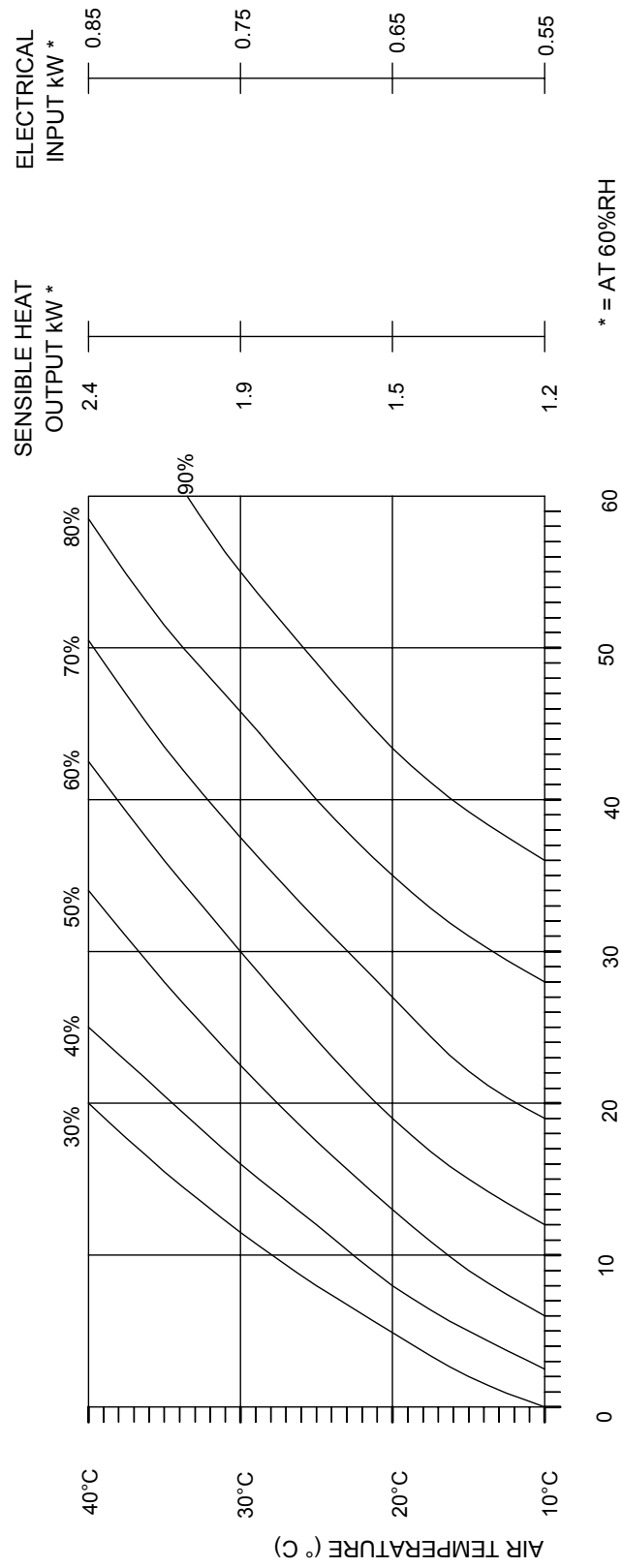
U.C.C.

Calorex CALOREX HEAT PUMPS LTD

DRAWING CHANGE

4.0 PERFORMANCE GRAPHS

DH30/30(7)/33/33(7) PERFORMANCE.



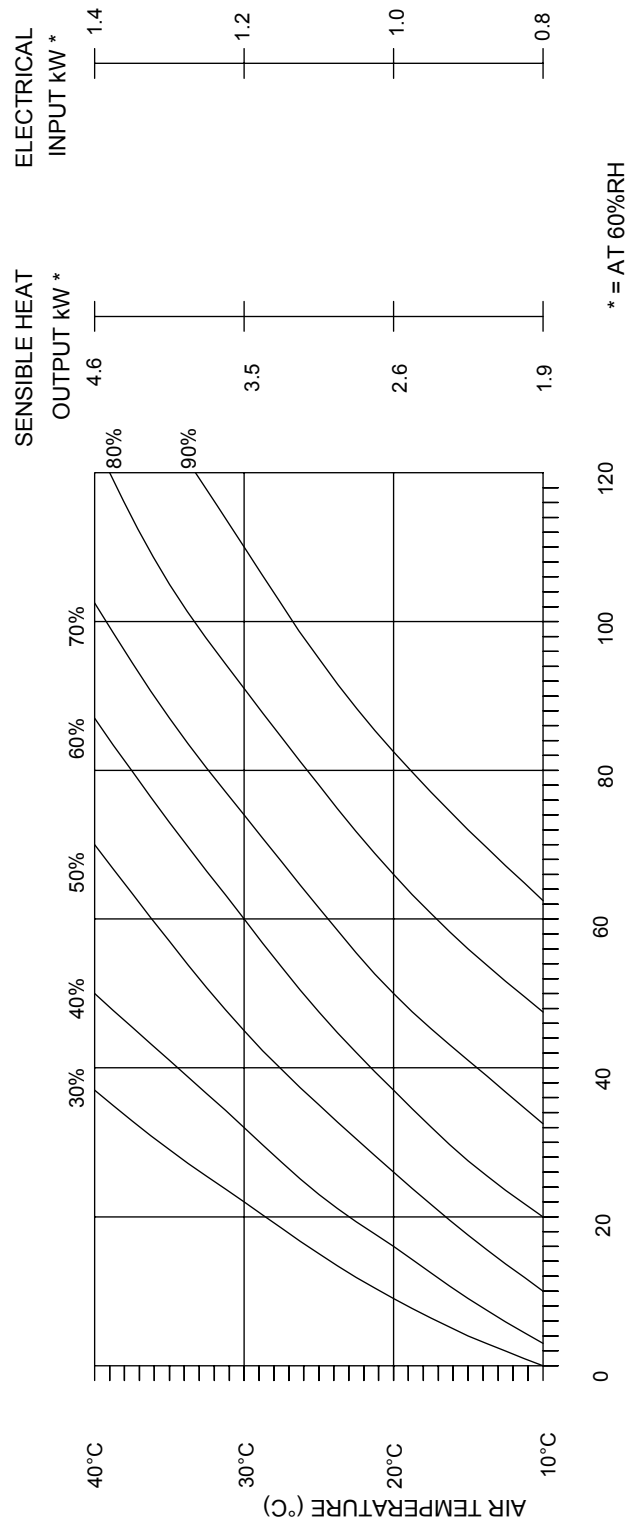
MOISTURE EXTRACTION LITRES/24HOURS

MAX OPERATING TEMP 40°C (R22 GAS)
 MAX OPERATING TEMP 35°C (R407c GAS)

* = AT 60%RH

4 PERFORMANCE GRAPHS CONT

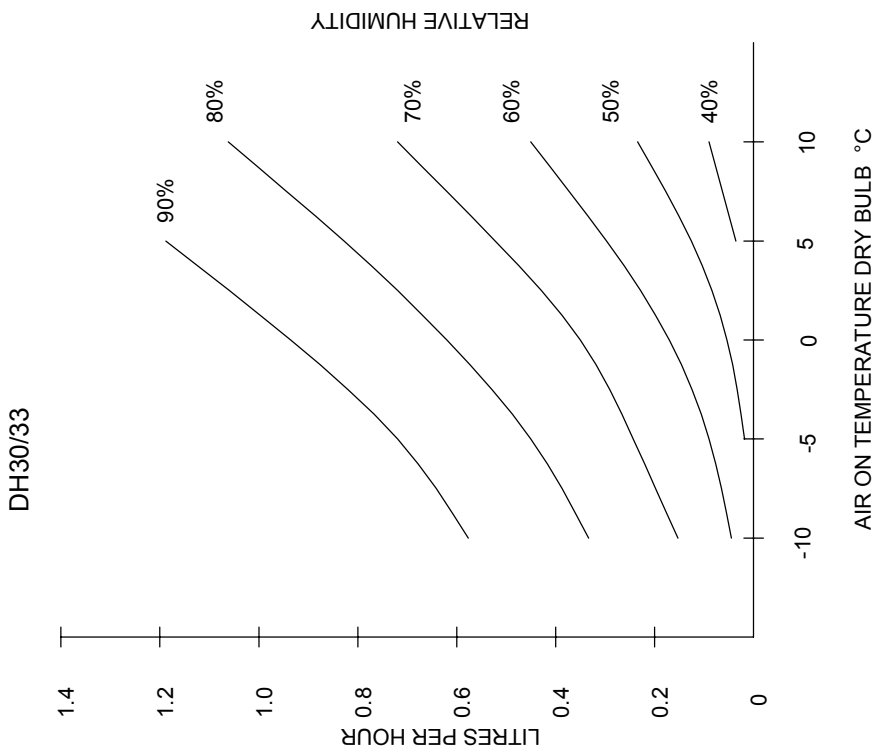
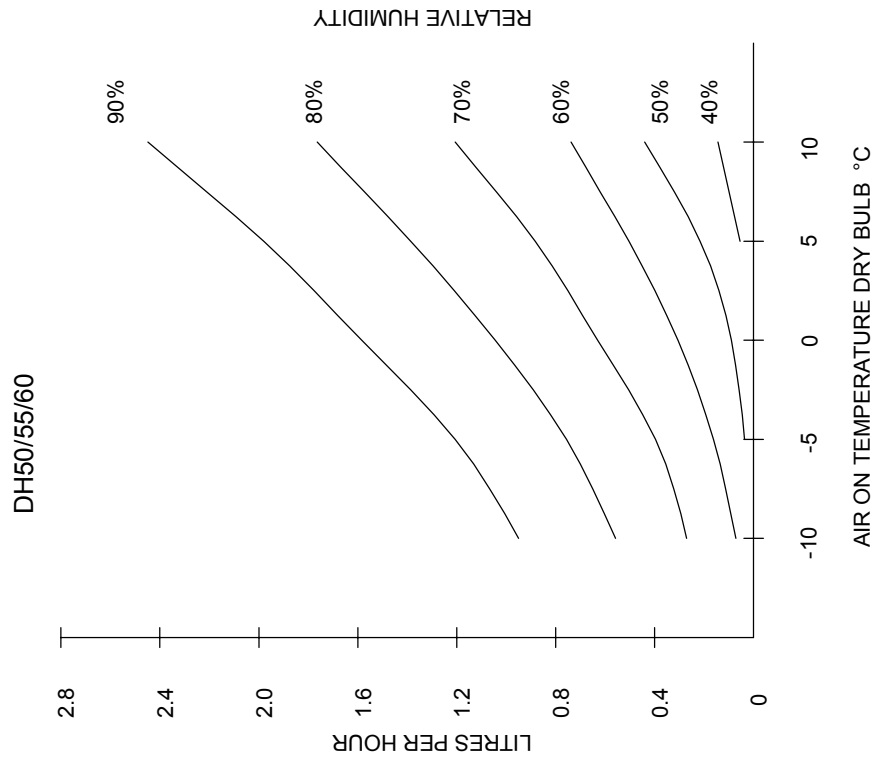
DH50/50(7)/55/55(7)/60/60(7) PERFORMANCE.



MOISTURE EXTRACTION LITRES/24HOURS

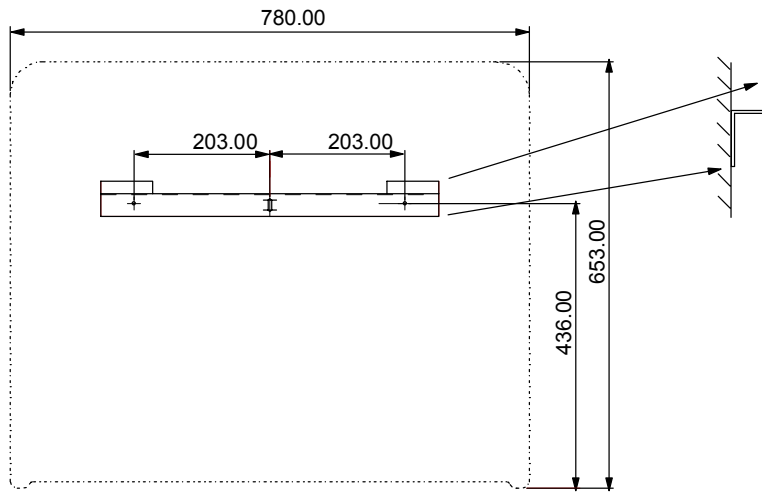
MAX OPERATING TEMP: 40°C (R22 GAS)
 MAX OPERATING TEMP: 35°C (R407c GAS)

4 PERFORMANCE GRAPHS CONT

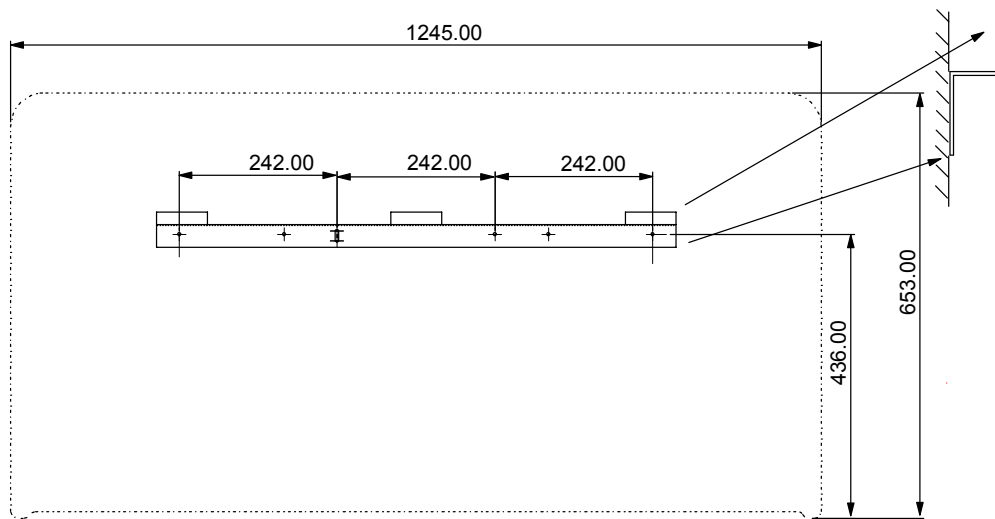


5.0 DIMENSIONS

POSITION OF BRACKETS RELATIVE TO WALL



30 SERIES WALLHUNG DEHUMIDIFIER

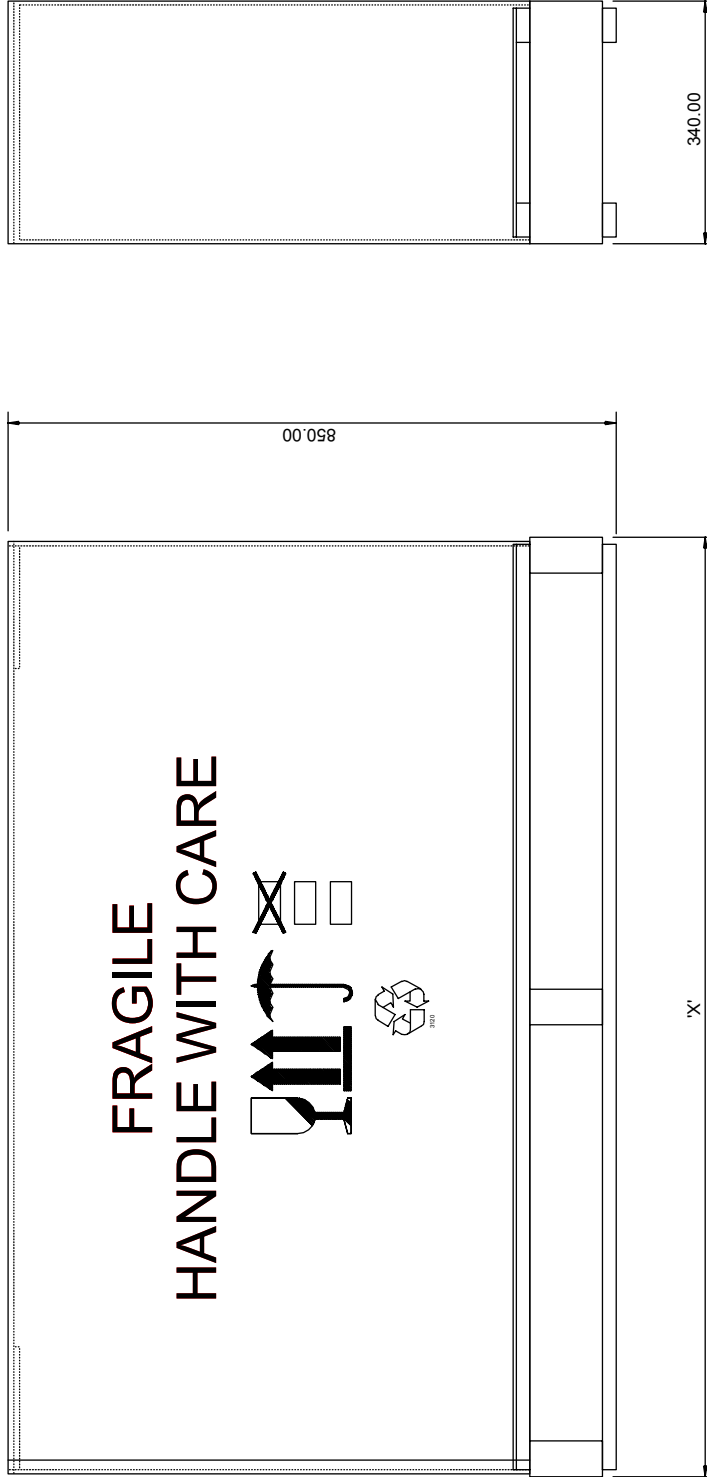


50 SERIES WALLHUNG DEHUMIDIFIER

5 DIMENSIONS CONT

PACKED DEHUMIDIFIERS

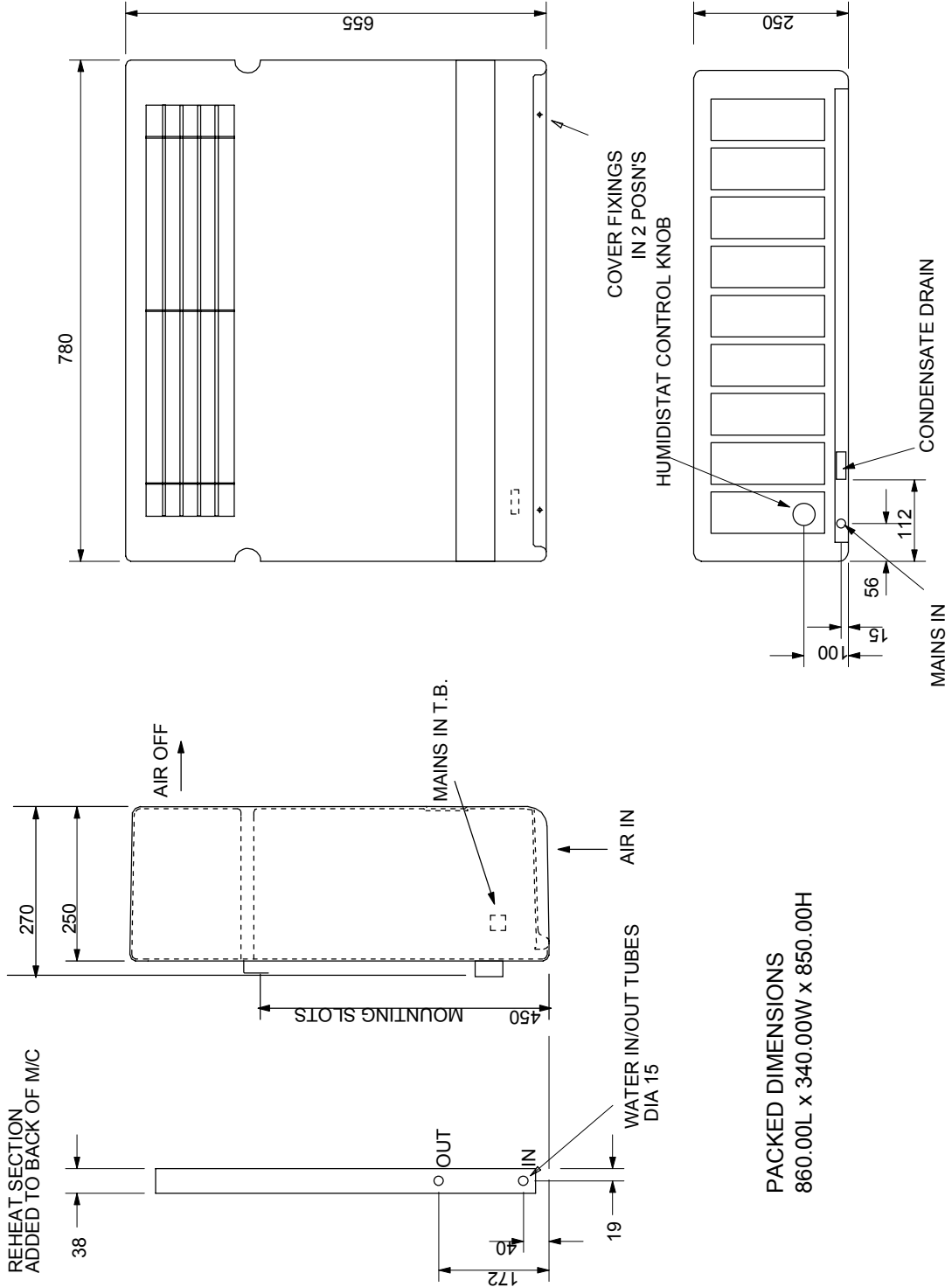
MACHINE TYPE	DIMENSION X
DH50 SERIES	1295.00
DH30 SERIES	830.00



5 DIMENSIONS CONT

DH30 DIMENSIONS

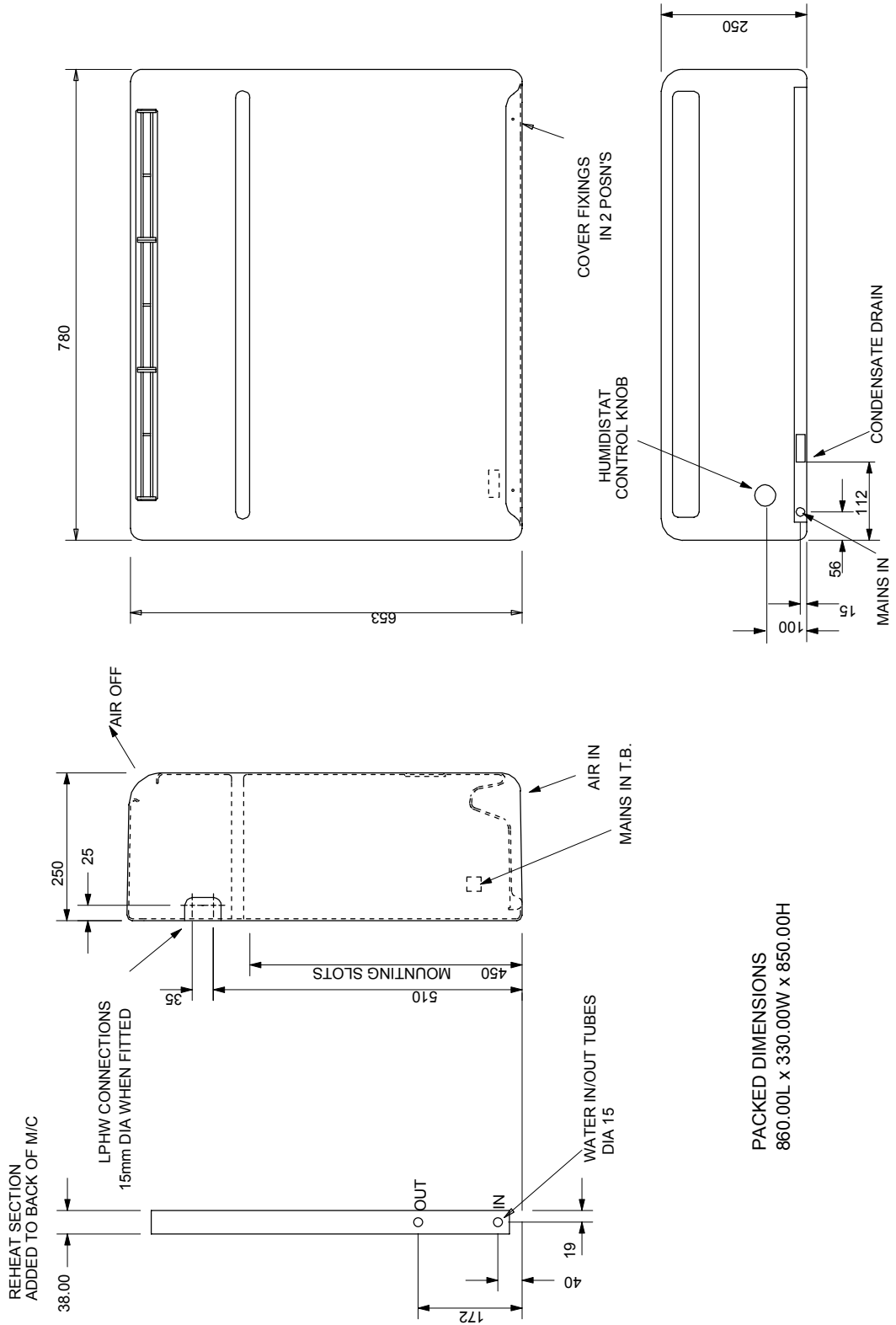
3rd ANGLE PROJECTION



PACKED DIMENSIONS
860.00L x 340.00W x 850.00H

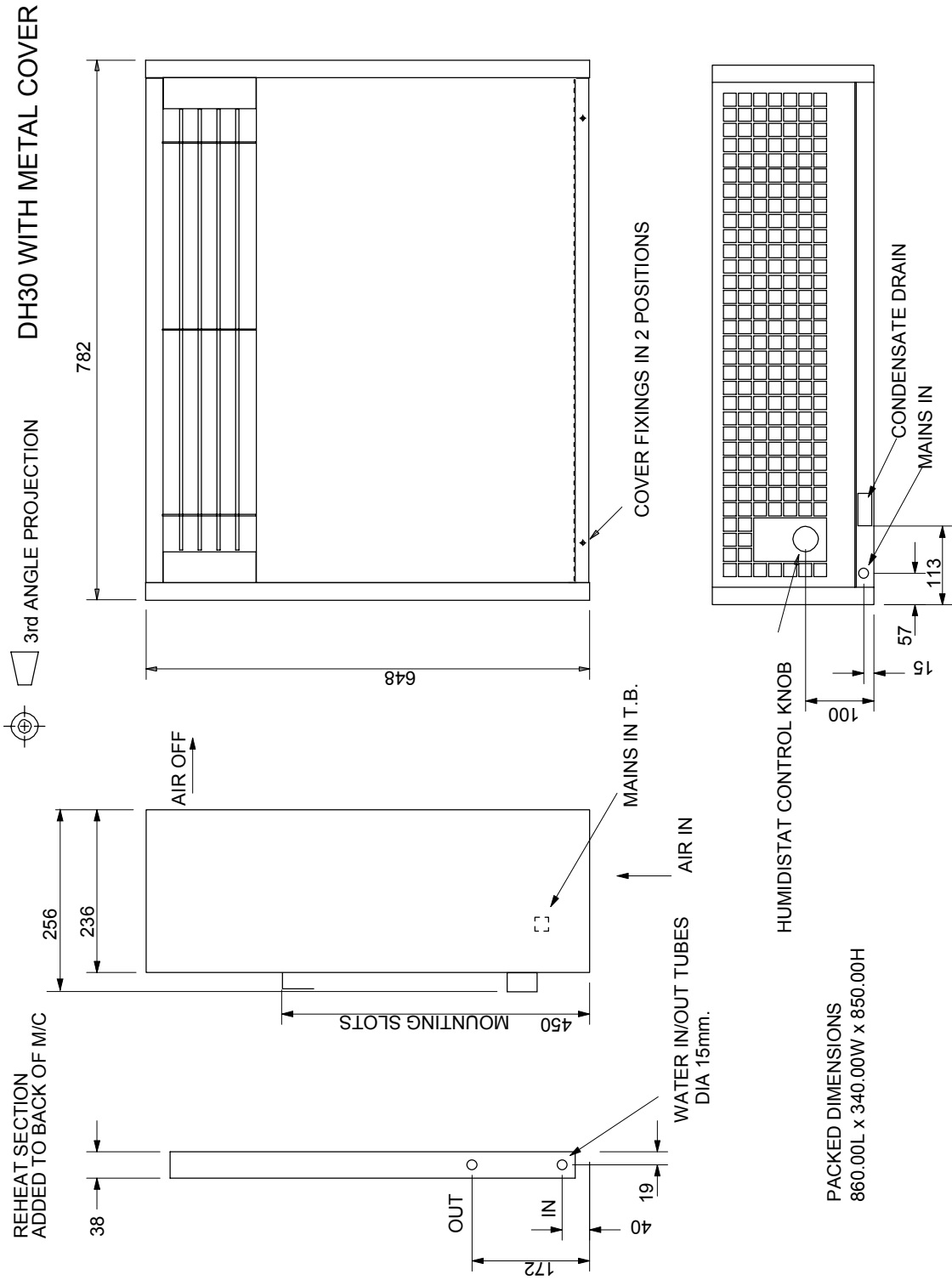
5 DIMENSIONS ONT

3rd ANGLE PROJECTION DH33 DIMENSIONS



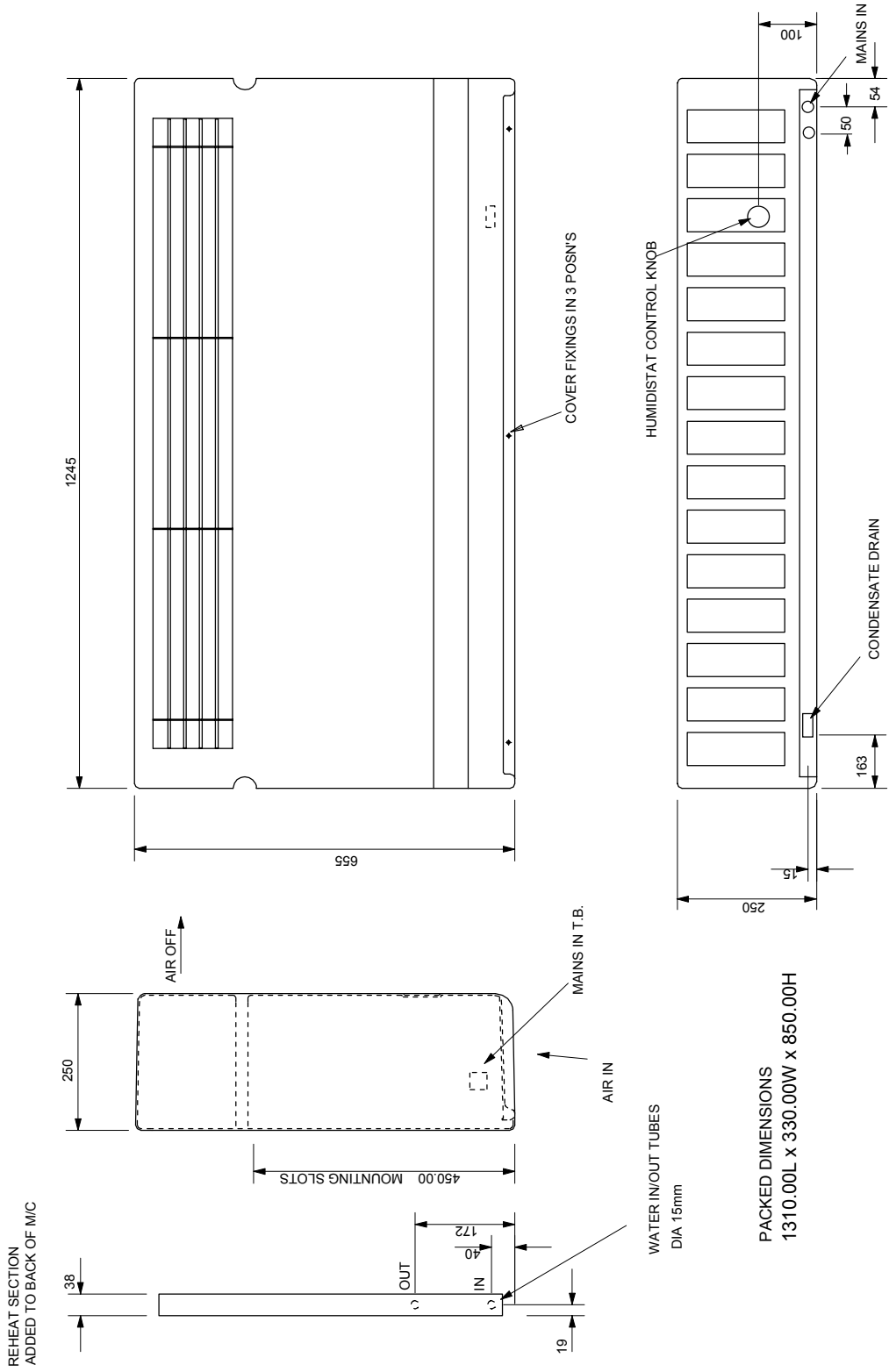
PACKED DIMENSIONS
860.00L x 330.00W x 850.00H

5 DIMENSIONS CONT



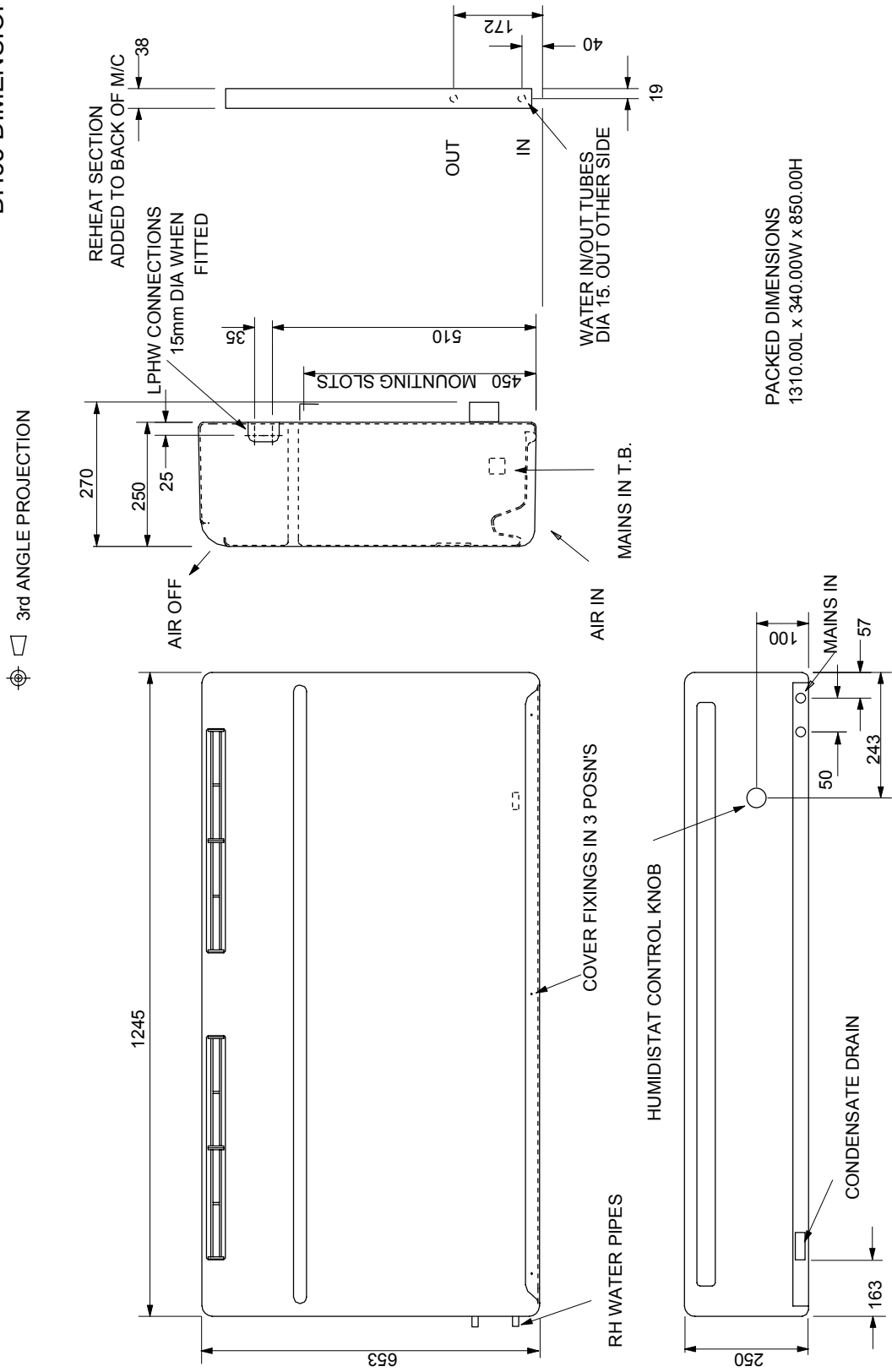
5 DIMENSIONS CONT

DH50/60 DIMENSIONS



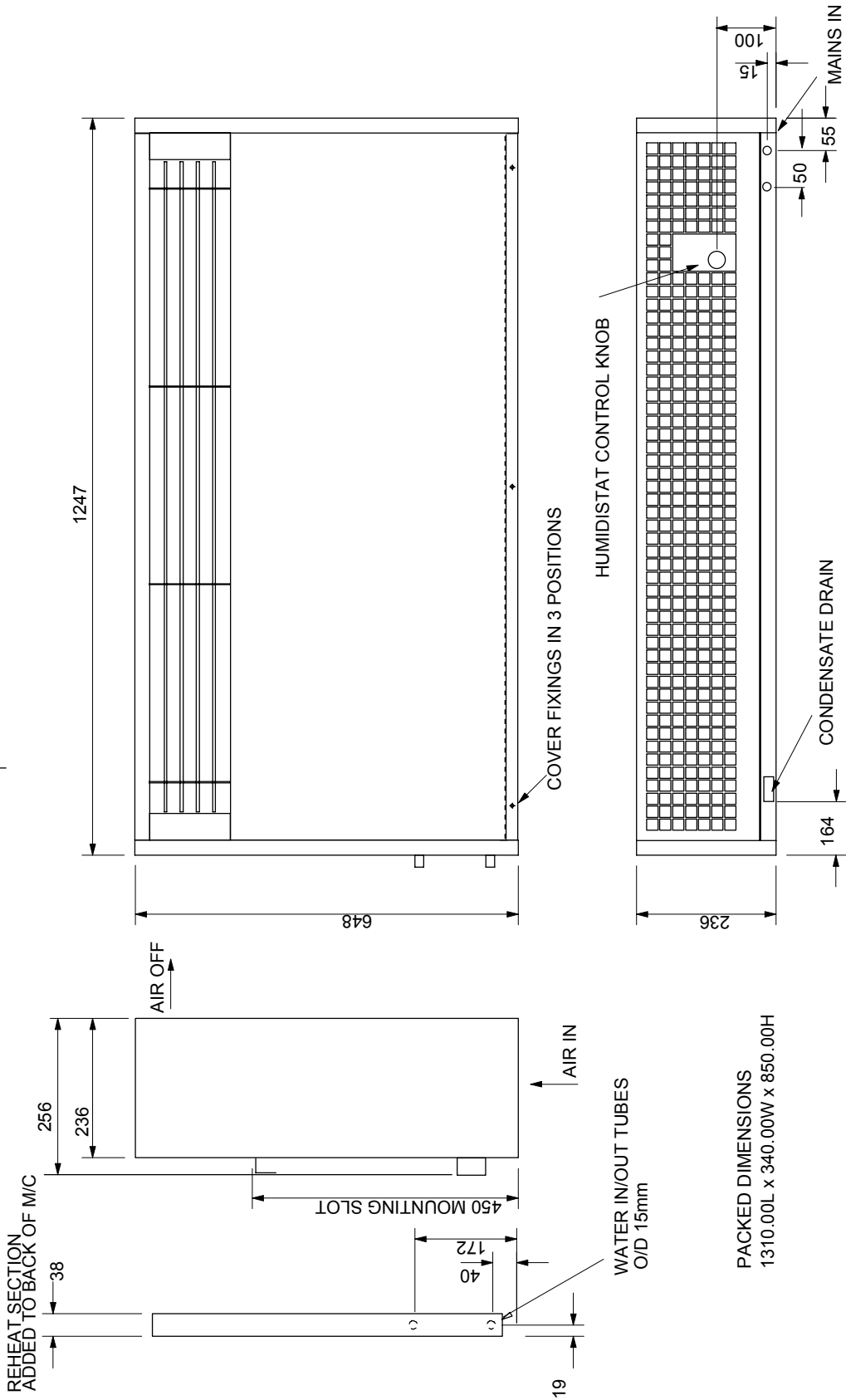
5 DIMENSIONS CONT

DH55 DIMENSIONS



5 DIMENSIONS CONT

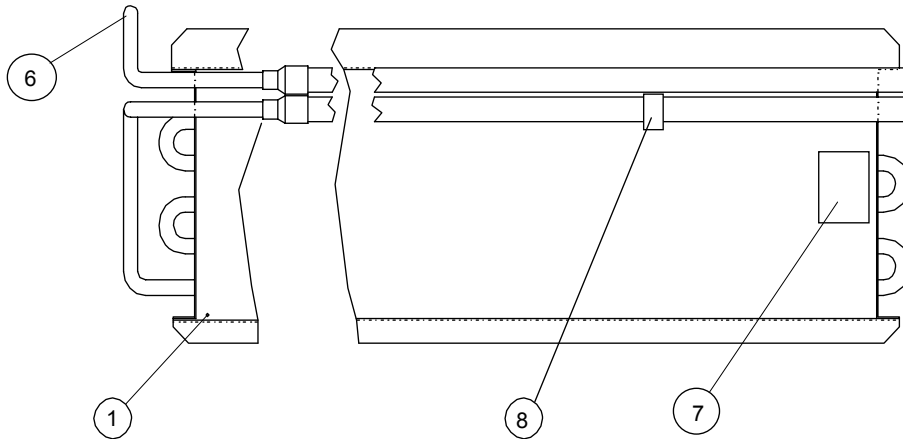
DH60 (METAL COVER)



7.0 OPTIONAL KITS

7.1 LPHW ASSEMBLIES

L.P.H.W. ASSEMBLIES FOR DH33/33(7) & DH55/55(7)



LPHW ASSY DH33 SA281901

ITEM	PART No	DESCRIPTION	QUANTITY
1	SD251750	LPHW FIN BLOCK	1
6	SD284450	AIR BLEED VALVE	1
7	SA253954	THERMOSTAT CALIBRATED TO 40°C	1
8	SD091050	PHIAL CLIP	1

LPHW ASSY DH55 SA281902

ITEM	PART No	DESCRIPTION	QUANTITY
1	SD251751	LPHW FIN BLOCK	1
6	SD284450	AIR BLEED VALVE	1
7	SA253954	THERMOSTAT CALIBRATED 40°C	1
8	SD091050	PHIAL CLIP	1

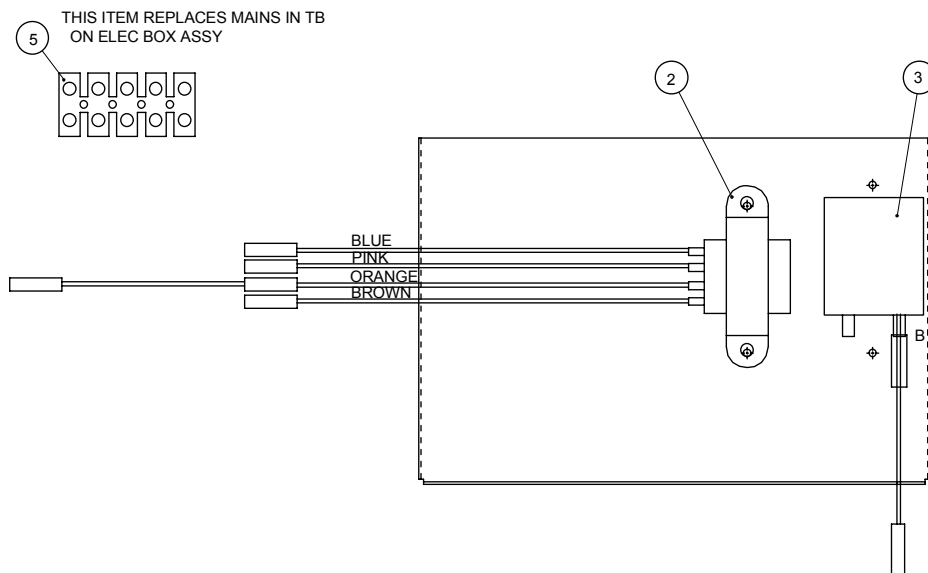
7.2 12V REMOTE HUMIDISTAT KIT

IF NOT ALREADY FACTORY FITTED

01/03	DH33/33(7)/55/55(7)A	D372752
02/04	DH33/33(7)/55/55(7)AX	D372753

NOTES

1. SEE WIRING DIAGRAMS FOR CONNECTION & ALTERATIONS TO ELEC BOX ASSY'S

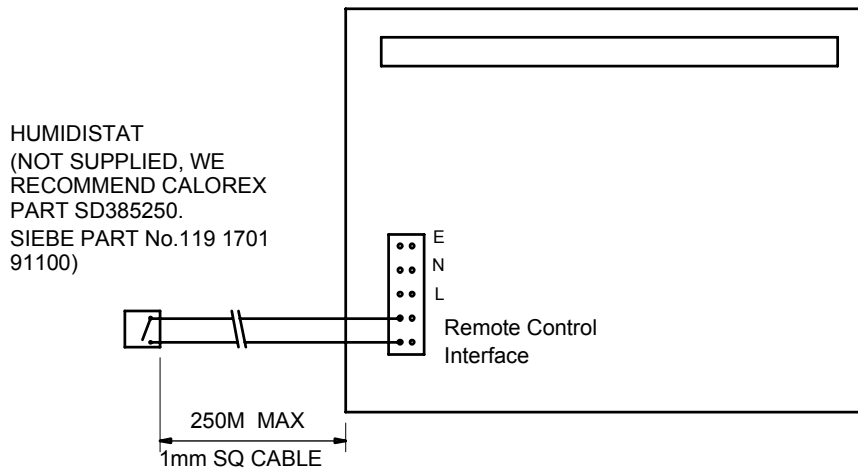


12V REMOTE HUMIDISTAT KIT
SA381001/02/03/04

ITEM	PART No	DESCRIPTION	QUANTITY
2	SD336550	TRANSFORMER 0-12 (12V)	1.000
3	SD378350	RELAY 25A 12V COIL	1.000
5	SD072853	15A 5 WAY TERM BLOCK	1.000

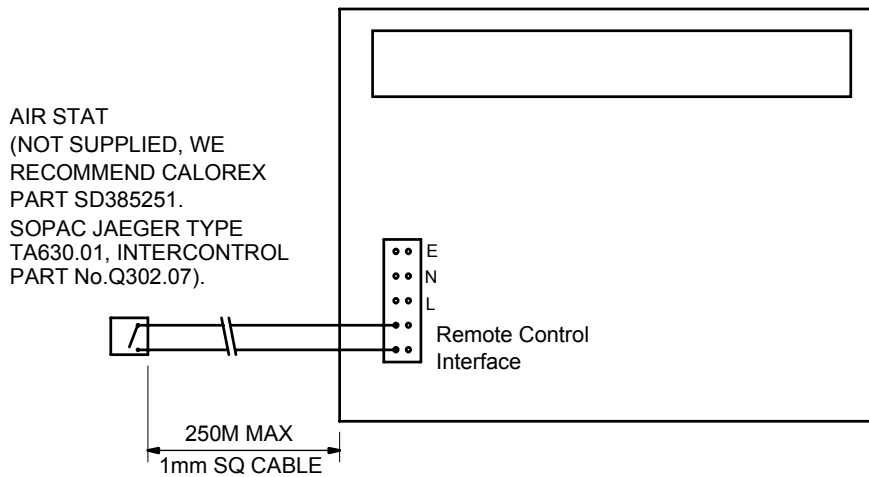
7.3 12V REMOTE HUMIDISTAT CONNECTIONS

12v REMOTE HUMIDISTAT CONNECTIONS



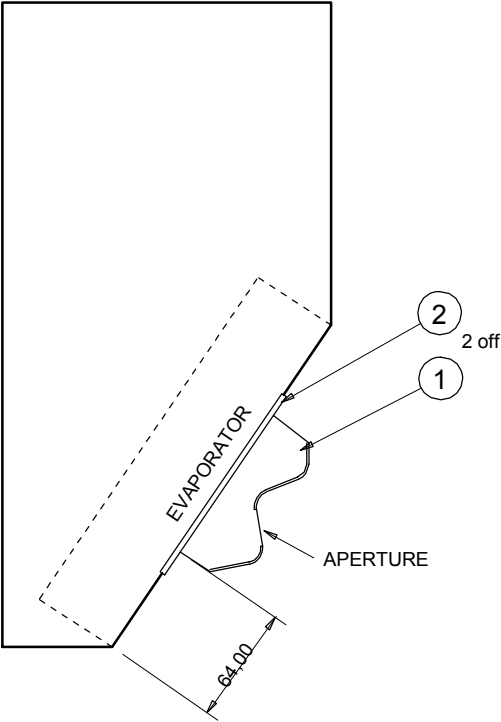
WITH REMOTE HUMIDISTAT FITTED ENSURE HUMIDISTAT
IN MACHINE IS SET FULLY CLOCKWISE (IE MAXIMUM DEHUMIDIFICATION)

12v REMOTE AIR THERMOSTAT CONNECTIONS



12v REMOTE AIR THERMOSTAT CONNECTIONS
FOR M/C WITH RESISTANCE HEATERS

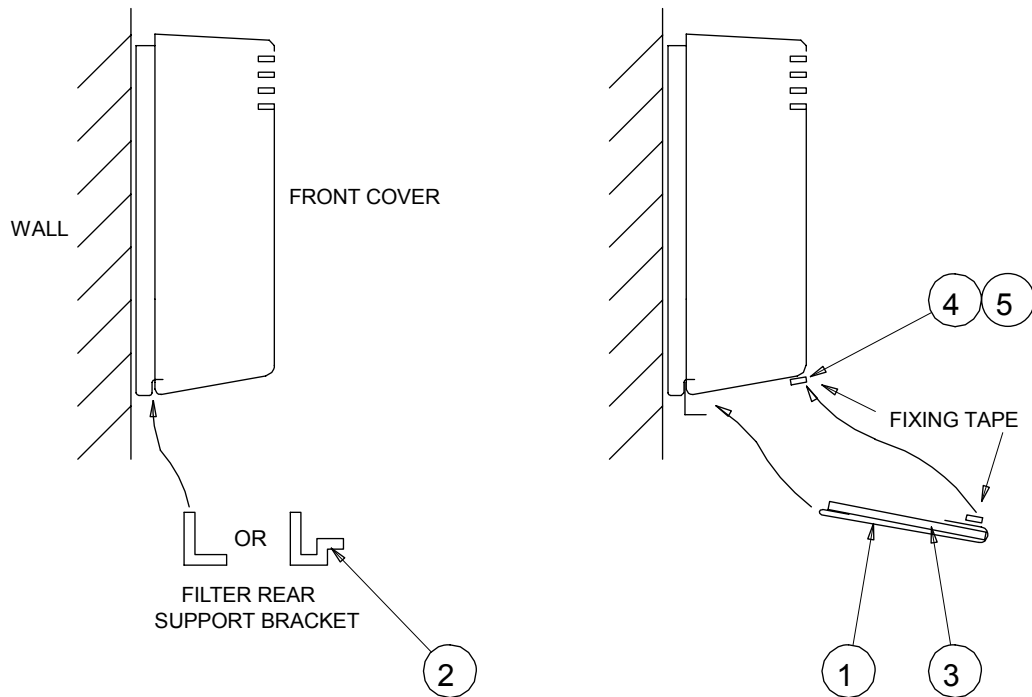
AUXILIARY DRIP TRAY (WEIR) KIT



KIT FOR DH30/33 SD64229501 :-
ITEM 1 - SD64218750 DRIP TRAY
ITEM 2 - D64229650 STRIP

KIT FOR DH50/55/60 SD64229502 :-
ITEM 1 - SD64218751 DRIP TRAY
ITEM 2 - D64229650 STRIP

7.5 AIR FILTER KITS



AIR FILTER KIT DH30/30(7) GRP COVER

ITEM	PART No	DESCRIPTION	QUANTITY
1	SD171950	FILTER HOLDER	1.000
2	SD172350	FILTER SUPPORT BRACKET	1.000
3	SD180250	FILTER MEDIA	1.000
4	SD180450	FIXING TAPE HOOK	0.700 M
5	SD180451	FIXING TAPE LOOP	0.700 M

AIR FILTER KIT DH50/50(7) GRP COVER

ITEM	PART No	DESCRIPTION	QUANTITY
1	SD171951	FILTER HOLDER	1.000
2	SD172351	FILTER SUPPORT BRACKET	1.000
3	SD180251	FILTER MEDIA	1.000
4	SD180450	FIXING TAPE HOOK	1.150 M
5	SD180451	FIXING TAPE LOOP	1.150 M

AIR FILTER KIT DH30/30(7) STEEL COVER

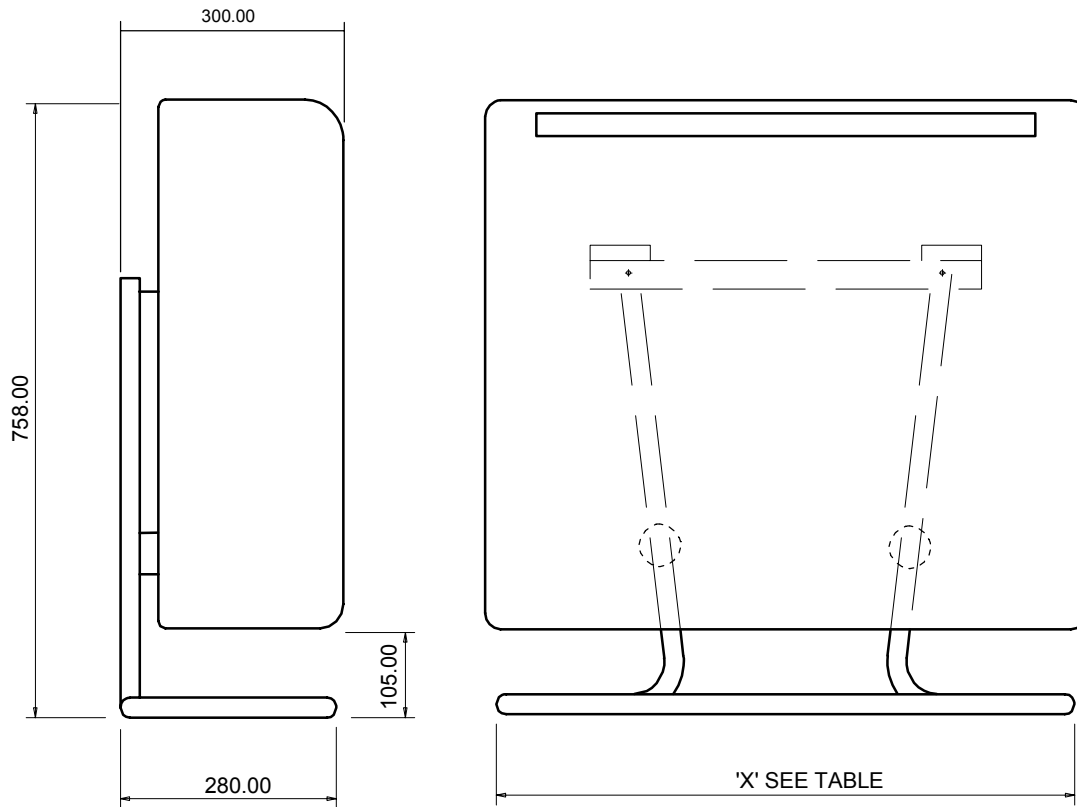
ITEM	PART No	DESCRIPTION	QUANTITY
1	SD171952	FILTER HOLDER	1.000
2	SD172451	FILTER SUPPORT BRACKET	1.000
3	SD180250	FILTER MEDIA	1.000
4	SD180450	FIXING TAPE HOOK	0.730 M
5	SD180451	FIXING TAPE LOOP	0.730 M

AIR FILTER KIT DH60/60(7) STEEL COVER

ITEM	PART No	DESCRIPTION	QUANTITY
1	SD171953	FILTER HOLDER	1.000
2	SD172450	FILTER SUPPORT BRACKET	1.000
3	SD180251	FILTER MEDIA	1.000
4	SD180450	FIXING TAPE HOOK	1.190 M
5	SD180451	FIXING TAPE LOOP	1.190 M

7.6 FLOOR STAND KITS

SA64180901/02

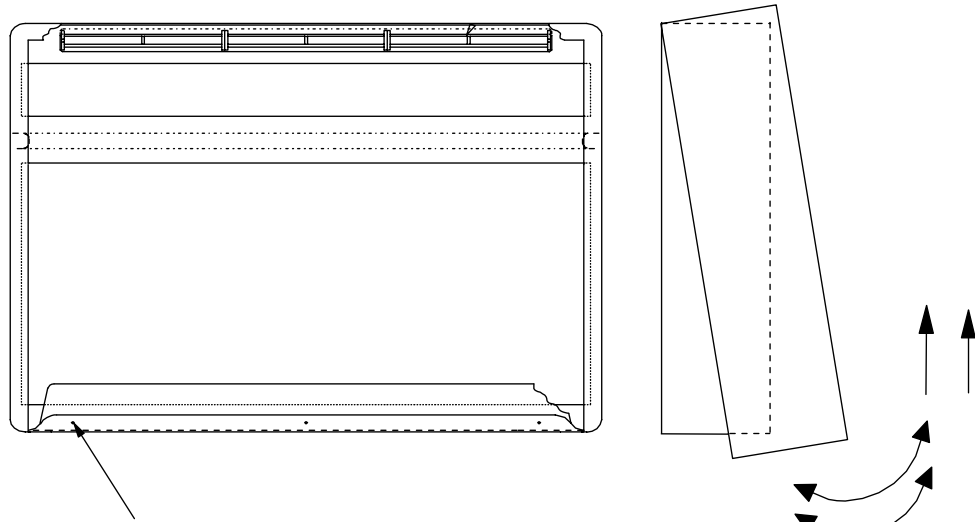


USED ON	STAND PART No	DIMENSION 'X'
DH30/33/3010	SD64172050	750.00mm
DH50/55/5010	SD64172051	1070.00mm

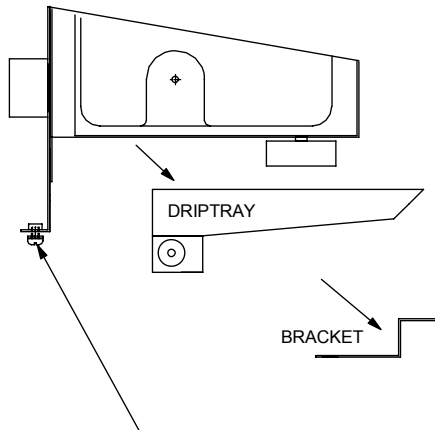
ASSEMBLY INSTRUCTIONS SHEET SD64326450

7.7 REMOVAL AND SERVICING OF DRIPTRAY

1. IMPORTANT BEFORE REMOVING COVER, ISOLATE POWER FROM DEHUMIDIFIER.



2. REMOVE SCREWS FROM POSITION SHOWN AND REMOVE COVER OF MACHINE



3. LOOSEN SCREWS FROM BUSHES SHOWN AND SLIDE BOTTOM BRACKET AWAY.

4. PULL DRIPTRAY DOWN TO REMOVE AND SERVICE AS REQUIRED.

5. REVERSE STEPS 1-4 TO REPLACE DRIPTRAY, BRACKET AND COVER.

NOTE: DH33 STYLE DEHUMIDIFIER SHOWN.

8.0 WARRANTY CONDITIONS

The following exclusions apply to the Warranty given by Calorex Heat Pumps Ltd.
No claims will be accepted if :-

1. The dehumidifier is incorrectly sized for the application.
2. The dehumidifier is installed in any way that is not in accordance with the current procedures as defined by Calorex Heat Pumps Ltd.
3. The dehumidifier has been worked upon or is adjusted by anyone other than a person authorised to do so by Calorex Heat Pumps Ltd.
4. The air flow through the machine is outside the specified limits.
5. The water flow through the machine is outside the specified limits.
6. The water pH level and/or chemical balance is outside the following limits:-

Acidity pH	pH	7.4 - 7.8
Total Alkalinity, as CaCO ₃	ppm	80 - 120
Total Hardness, as CaCO ₃	ppm	150 - 250
Total Dissolved Solids	ppm	1000
Maximum Salt Content	wt/wt	8mg/l
Free Chlorine Range	ppm	1 - 2 Domestic
Free Chlorine Range	ppm	3 - 6 Commercial
Superchlorination	max	30ppm for 24 hrs
Bromine	ppm	2 - 5
Baquacil	ppm	25 - 50
Ozone	ppm	0.9 Max
Maximum Copper Content	ppm	1
Aquamatic Ionic Purifier	ppm	2 Max

7. The dehumidifier has suffered frost damage.
8. The electrical supply is insufficient or in anyway incorrect.

IF IN DOUBT PLEASE ASK

Note:- The Reply Paid Warranty Registration Card must be returned, to ensure that the correct warranty is given. If you do not find a Registration Card with your Dehumidifier please contact the Calorex Service Department giving your name, address and serial number of your Dehumidifier. A card will be sent to you for completion.

Please give MODEL NUMBER and SERIAL NUMBER of your Dehumidifier when making technical or service enquiries. This will assist in correct diagnosis and ensure service can provide with a minimum delay.

PHONE 01621 857171

FAX 01621 850871

Email service@calorex.com

Web Site <http://www.calorex.com>

