



DH150/DH300/DH600

Technical manual (SD208060 issue 39)





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)

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HEALTH AND SAFETY WARNING



This appliance can be used by children from eight years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning the use of the appliance in a safe way and understand the hazards involved. Children should not play with the appliance. Cleaning and maintenance shall not be made by children without supervision.

Disconnect from the mains supply and wait three minutes before removing panels and commencing work on this machine.

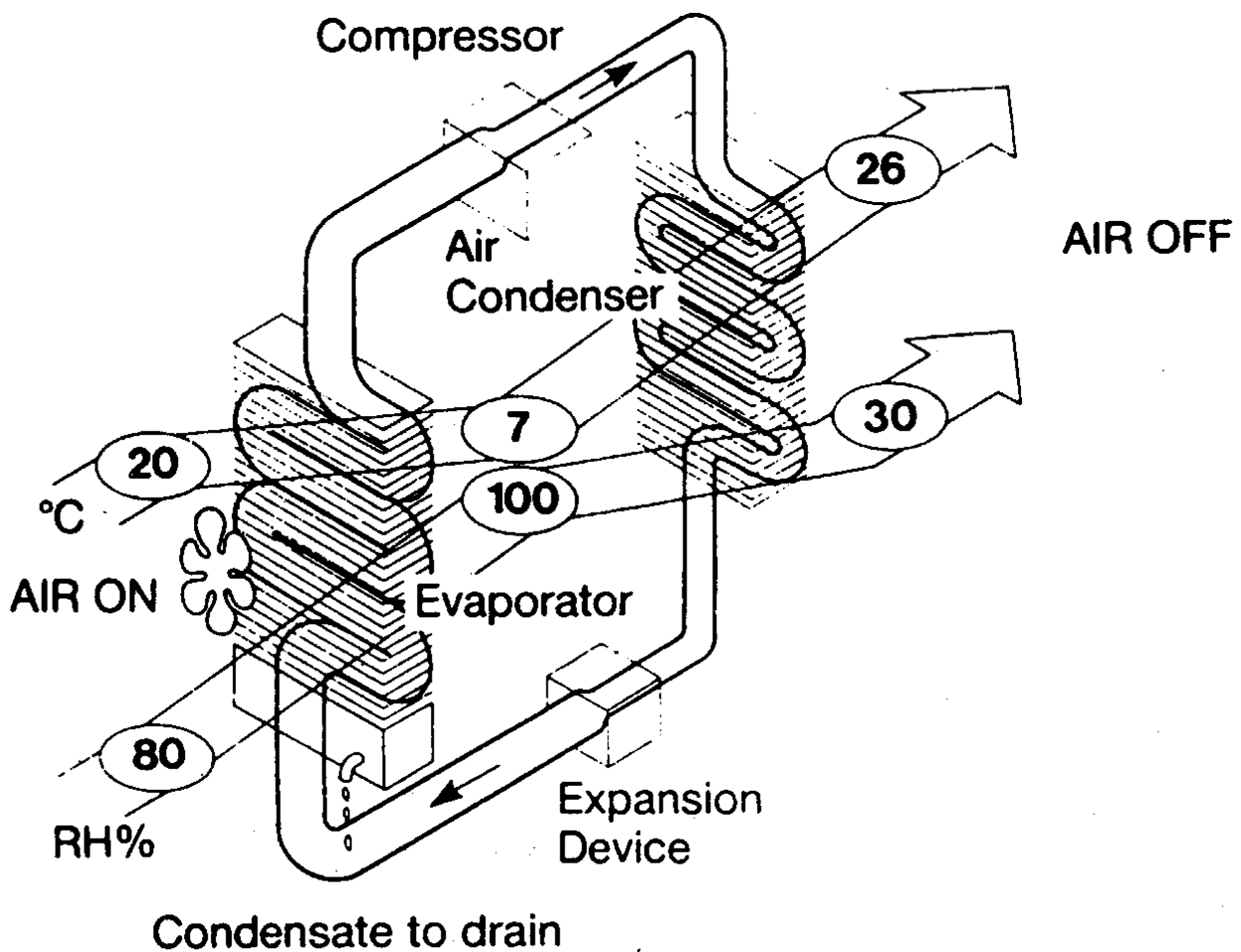
1.0 WHAT ARE THE CALOREX DEHUMIDIFIERS DESIGNED TO DO?

Models **DH150**, **DH300** & **DH600** are designed to remove moisture from the air and reject the latent heat of the dehumidification process back into the air.

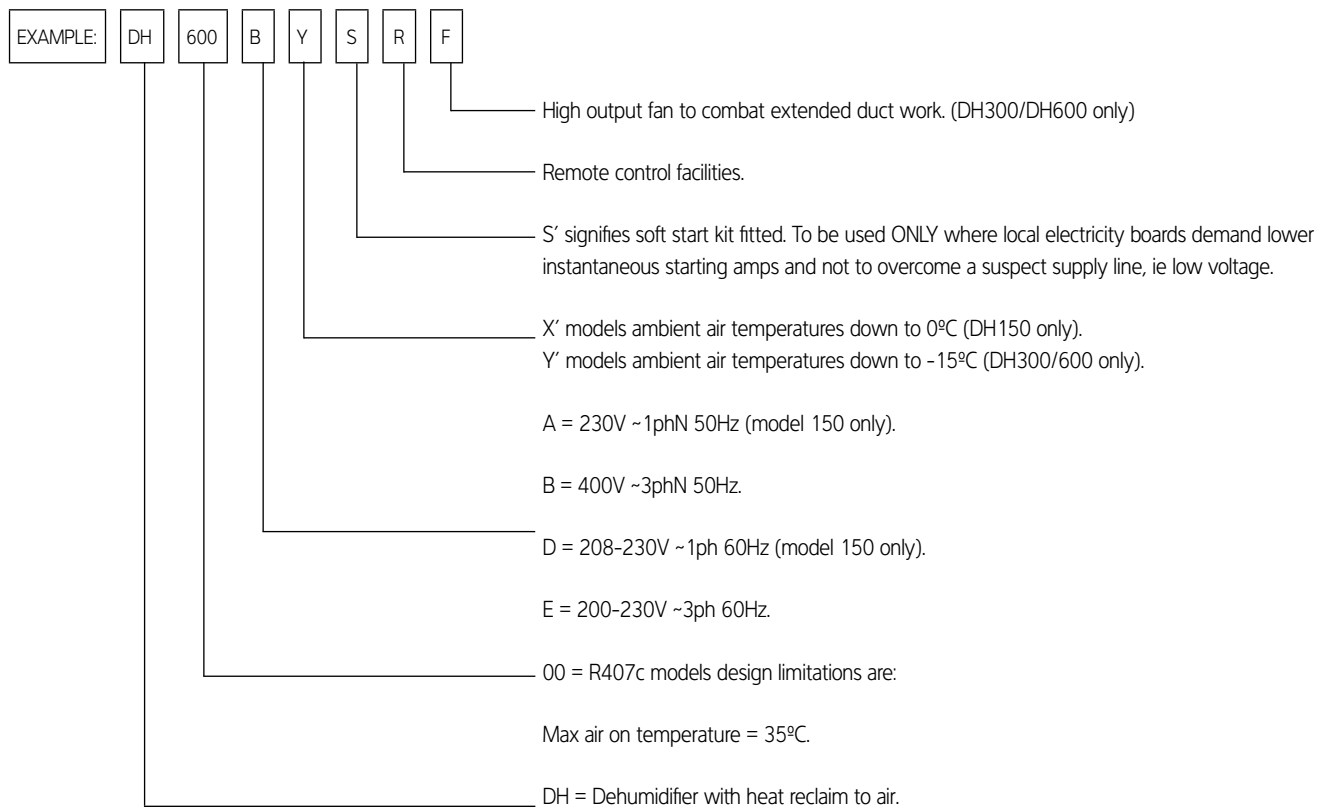
Warm, humid air is drawn in through the evaporator which extracts the latent heat and at the same time dehumidifies the air by cooling it below its dew

point temperature. The condensed moisture forms on the evaporator coil and is then drained to waste. The extracted heat is then upgraded to a much higher temperature by the compressor and passes into the condenser coil. The cool, drier air then passes over the condenser, collects the heat and passes back into the room as warm, dry air.

Fig. 1.



2.0 ORDERING PROCEDURE (MODEL DESIGNATION)



3.0 INSTALLATION

Great care should be exercised in following the installation procedure to ensure that your Calorex dehumidifier performs as it was designed.

3.1 SITING

- a. Ensure dehumidifier on site is as ordered, i.e. model, electrical supply and factory fitted options.
- b. Inspect unit for damage, in particular inspect the evaporator (finned side) to ensure that it is undamaged. (Minor indentations in the fins do not affect performance). If severely damaged, endorse delivery note in presence of the driver and send a recorded delivery letter to transport company giving details.
- c. Protect unit if installation is delayed.
- d. Provide a firm level base capable of supporting operational weight of unit; spread load if on timber floor.
- e. Ensure water cannot collect under unit, recommend units are installed on plinths 100mm above finished floor level and to also aid condensate drainage.
- f. Allow adequate clearance to service panels on unit; recommend 500mm minimum (see installation drawings).
- g. All Calorex dehumidifiers are by design as quiet as is practicable, however, due consideration should be given to siting in order to fully exploit this feature, i.e. orientate inlet/outlet parallel to occupied premises.
- h. Ensure loose debris will not block air inlet filters or grilles.

SITING CONT'

IMPORTANT:

As dehumidifier units are handling air at dehumidified space temperatures, they must be sited in a similar environment, or insulated plenum. They must not be sited in colder areas, i.e. subject to ambient air.

3.2 DUCTING

(SEE FIGS 3, 4, 5 AND 6)

In order that moisture can be removed and humidity control can be effected within the required area, it is essential that correct air movement and distribution is achieved. The Calorex unit must extract the humid air generated

and discharge the drier air to areas which are subject to condensation problems (windows, etc.) and or comfort zones, etc.

This can often be achieved by use of ducting and correct application of grilles/ louvres to effect air distribution and movement to these areas.

NOTE:- dehumidifier unit and ducting will be at higher temperature and will require insulation if exposed to lower air temperatures, for instance, if the ducting were to pass through an un-heated loft space.

Fig. 2. Calorex Dehumidifier installed within space to be dehumidified, with top discharge box option fitted.

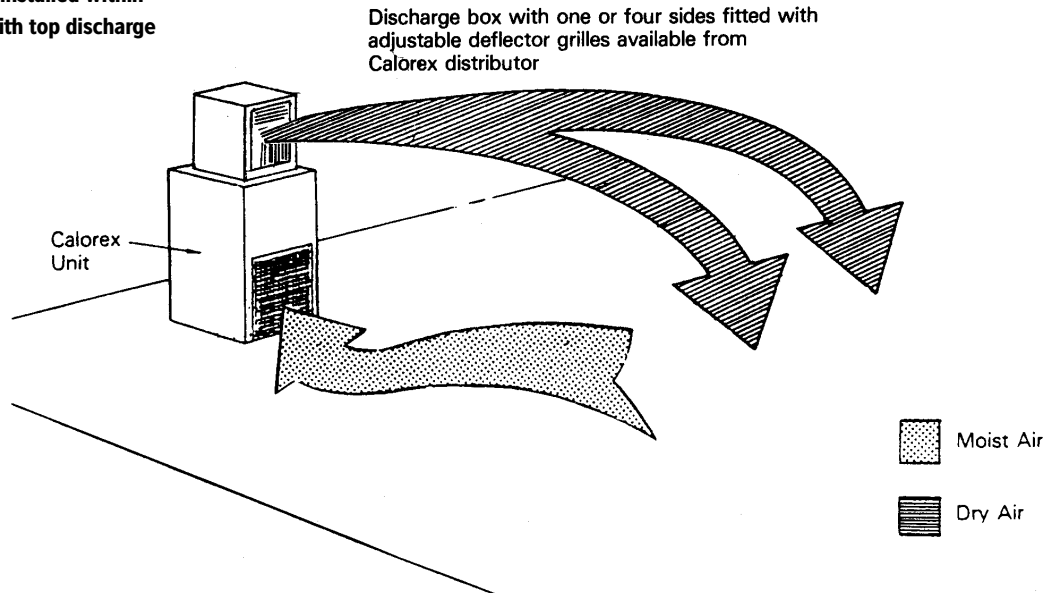
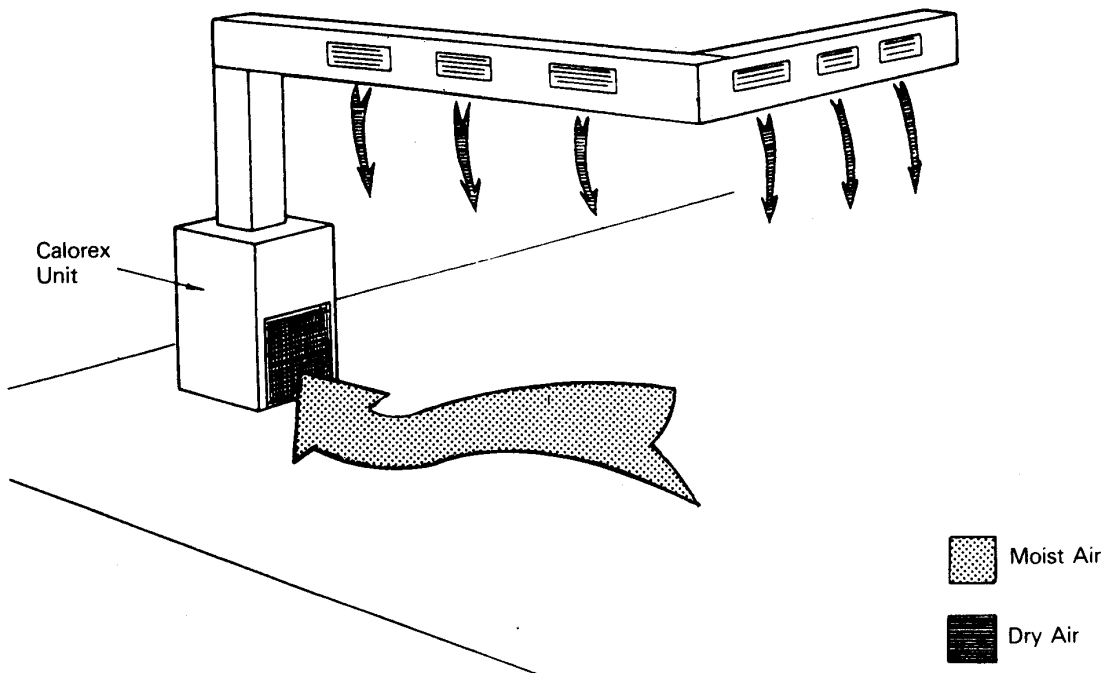


Fig. 3. Calorex Dehumidifier installed within space to be dehumidified, with discharge ducting fitted.



Exhaust from Wet Area - Humid Air - Should be taken from as low as practicable to inlet of dehumidifier unit. In many instances siting of dehumidifier unit in hall or in adjacent rooms can eliminate use of ductwork to inlet.

Inlet/Return - Dry Air - Frequently requires overhead ducting with suitable grilles to give balance and direction of air flow.

The quantity of air flow handled by each dehumidifier unit is given on the data sheet together with the maximum pressure available from the fan to overcome total ducting resistance to air flow, i.e. inlet, discharge ducting, grilles, filters and where, installed air heater batteries.

Note:-

- a. The humidity sensing tube situated by the air inlet is to be encompassed by or extended to any inlet air ducting. Refer to installation drawings.
- b. All units have discharge ducting spigots as standard.
- c. Inlet ducting spigots and or inlet air filters are available from stockists. *Do not drill into unit to fit spigots or filters.*
- d. Final connections to dehumidifier spigots must be made with flexible ducting (rubber or canvas) to eliminate transmission of vibration down any ducting fitted.

e. Before any discharge ducting is attached remove the damper plate (if fitted) from dehumidifier outlet or fan grille.

f. After completion of installation including all grilles, ductwork, etc., ensure that the air flow through the dehumidifier is as specified in the data sheet $\pm 10\%$. If airflow is high, adjust the main system damper to obtain correct airflow. If airflow is low or high, unit will not function correctly.

g. TABLE 1. Required Free Areas to provide air flow to and from dehumidifiers when installed in an enclosed area or where required to pass air through a wall, etc.

Free area is the available area through which air can pass, through a grille or louvres.

Model DH150 - minimum free area air inlet = 0.35 m².

Model DH300 - minimum free area air inlet = 0.57 m².

Model DH600 - minimum free area air inlet = 1.1 m².

Note: If multiple units are installed in an enclosed area then the inlet free areas required for each unit can be added together to form one inlet aperture. BUT discharge from each unit must be kept separate and must not be incorporated into one common duct system, unless back draft flaps are installed in outlet duct of each dehumidifier.

FIG. 4. CALOREX DEHUMIDIFIER INSTALLED WITHIN SPACE TO BE DEHUMIDIFIED, WITH TOP DISCHARGE BOX OPTION AND FLEXIBLE DUCTING FITTED.

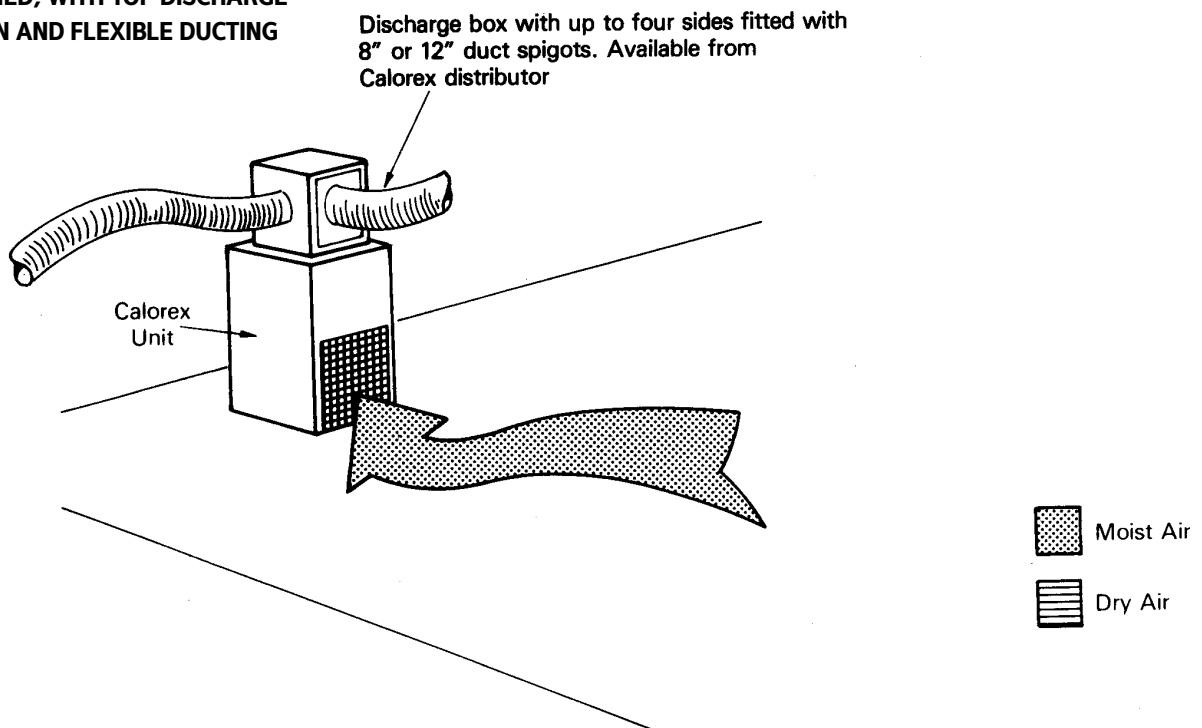
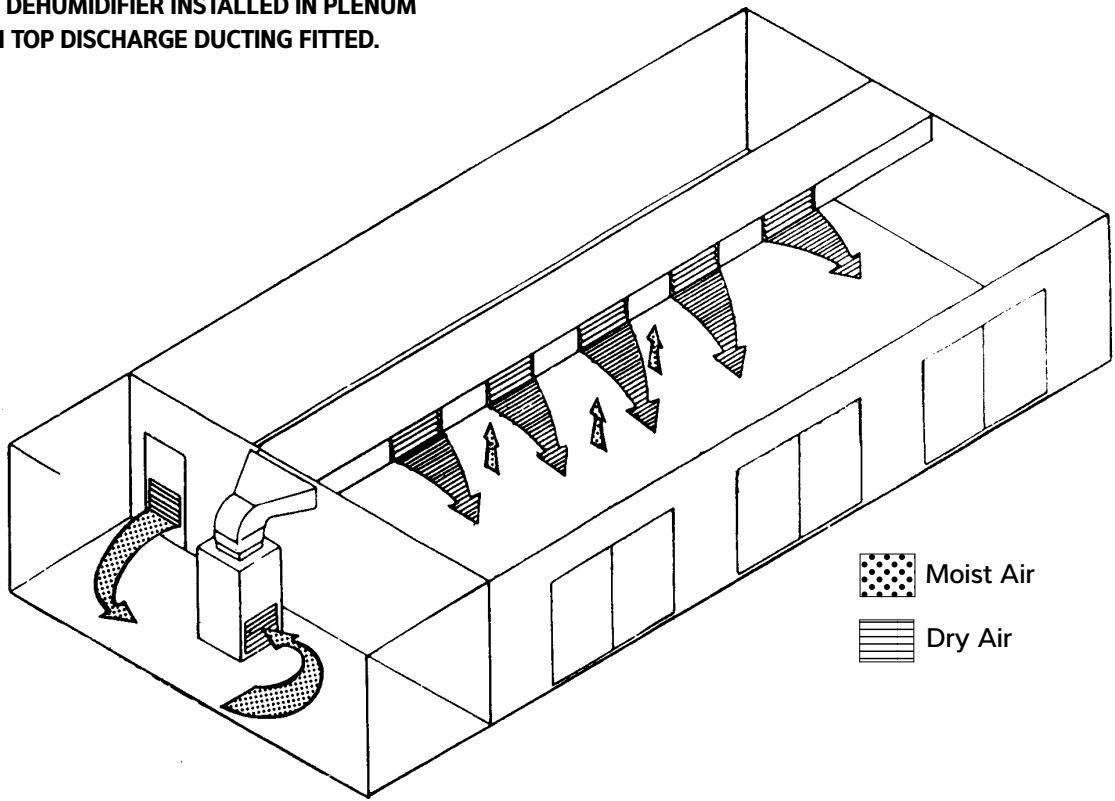


FIG. 5. CALOREX DEHUMIDIFIER INSTALLED IN PLENUM CHAMBER, WITH TOP DISCHARGE DUCTING FITTED.



3.3 PLUMBING

a. The condensate drain at the base of the unit collects the condensation from the evaporator fins. It is therefore necessary to ensure that the Calorex dehumidifier is placed on a level plinth so that the condensate water can run away and not overflow the edges of the drip tray inside the dehumidifier.

Calorex dehumidifiers have condensate water outlet connections as follows:
 DH150 = 22mm push fit domestic waste system.
 DH300 = 3/4" BSPM stub.
 DH600 = 1 1/2" BSPM stub.

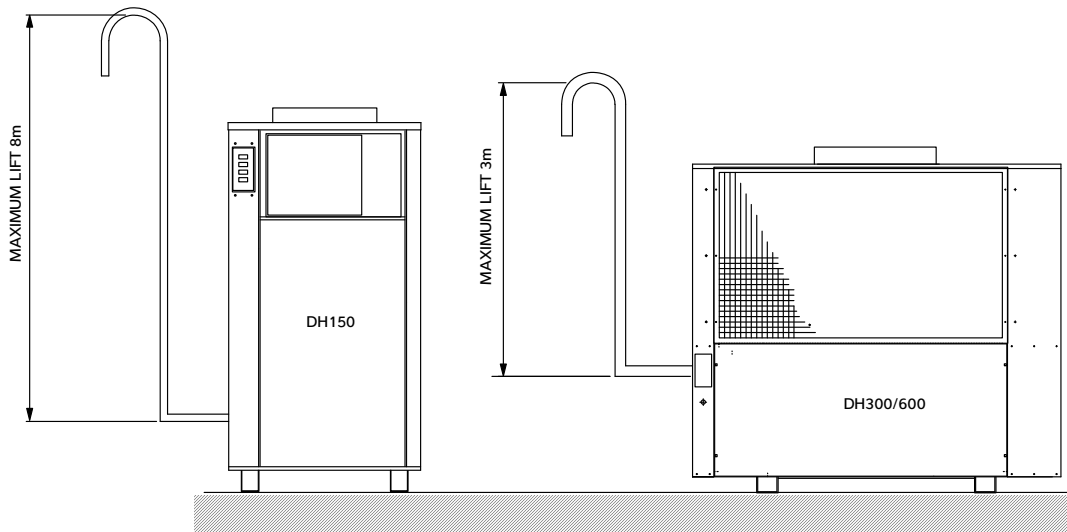


Fig. 6. Calorex Dehumidifier with Condensate Pump Option fitted.

For applications where the condensate cannot be run to waste due to the dehumidifier being lower than the waste pipe outlet, a condensate pump option can be supplied. (Located internally on the DH150, DH300 and DH600 models).

3.4 ELECTRICAL (MACHINE WIRING AND SUPPLY)

- a. To be in accordance with I.E.E. standards, latest issue, or local codes of practice as applicable.
- b. Protected supply to incorporate fuses or motor rated circuit breakers to specified rating, (see Data Sheet). H.R.C. fuses are recommended. An isolator which disconnects all poles must be fitted adjacent to the dehumidifier.
- c. All units must be correctly earthed/grounded. An earth leakage trip of the current operating type is recommended to be fitted to all electrics. (If a heater box is fitted, the same R.C.D. (residual current device) must feed both supplies.

d. IMPORTANT:- Inconsistent Electrical Supply.

The following limits of operation list not be exceeded if Calorex dehumidifiers are to be guaranteed either in performance or warranty terms:

Voltage	Minimum	Maximum
Single phase machines (A)	207V	353V
Three phase machines (B)	360V	440V
Frequency	47.5Hz	52.5Hz

N.B. This voltage must be available at the dehumidifier whilst it is running under full load.

The dehumidifier should be installed in accordance with EMC2004/108/EC.

Note: DH300 & DH600 dehumidifiers are fitted with a phase protection relay and will not run if the phases are not connected in correct order (phase sequence) or if the supply voltage is 15% less than the nominal voltage. (415V for 3-N 50Hz). The lamp on the phase rotation relay, situated in the electric box, is illuminated when the phases are correctly connected and the voltage is sufficient.

FIG.7. DH150, LOCATION OF MACHINE SUPPLY TERMINAL BLOCKS

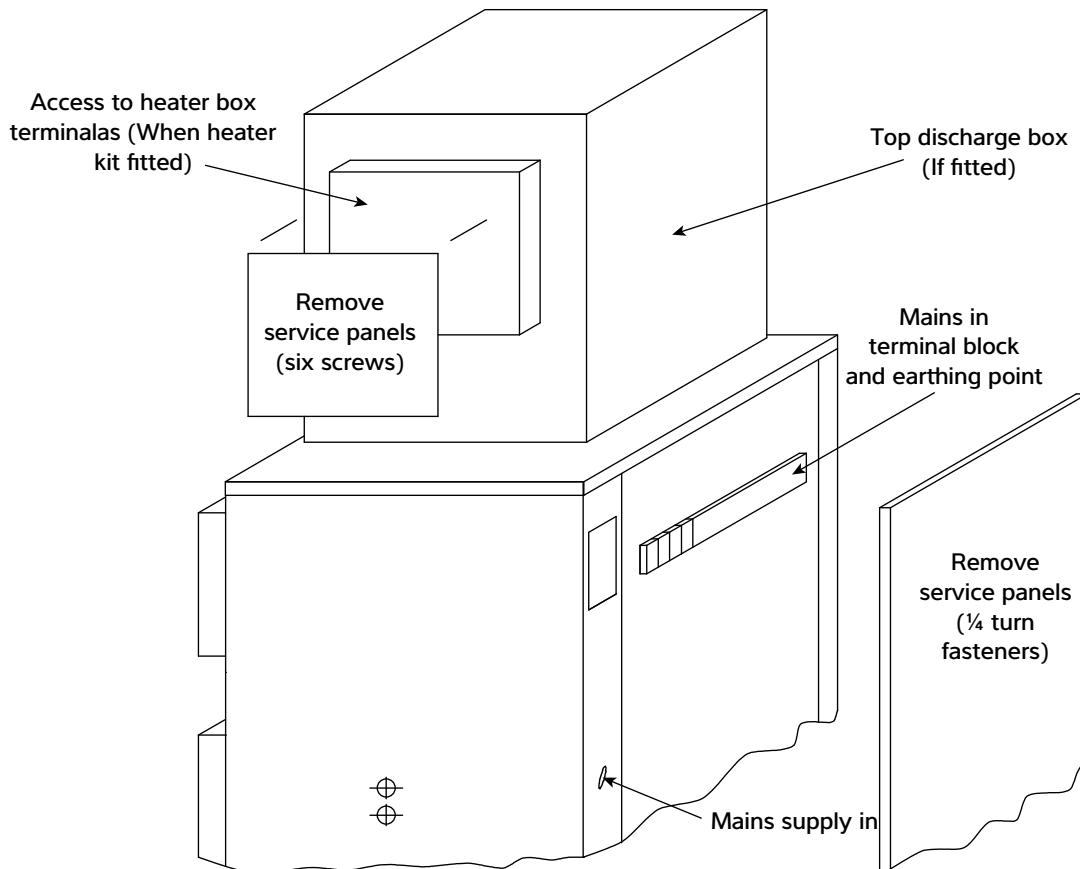
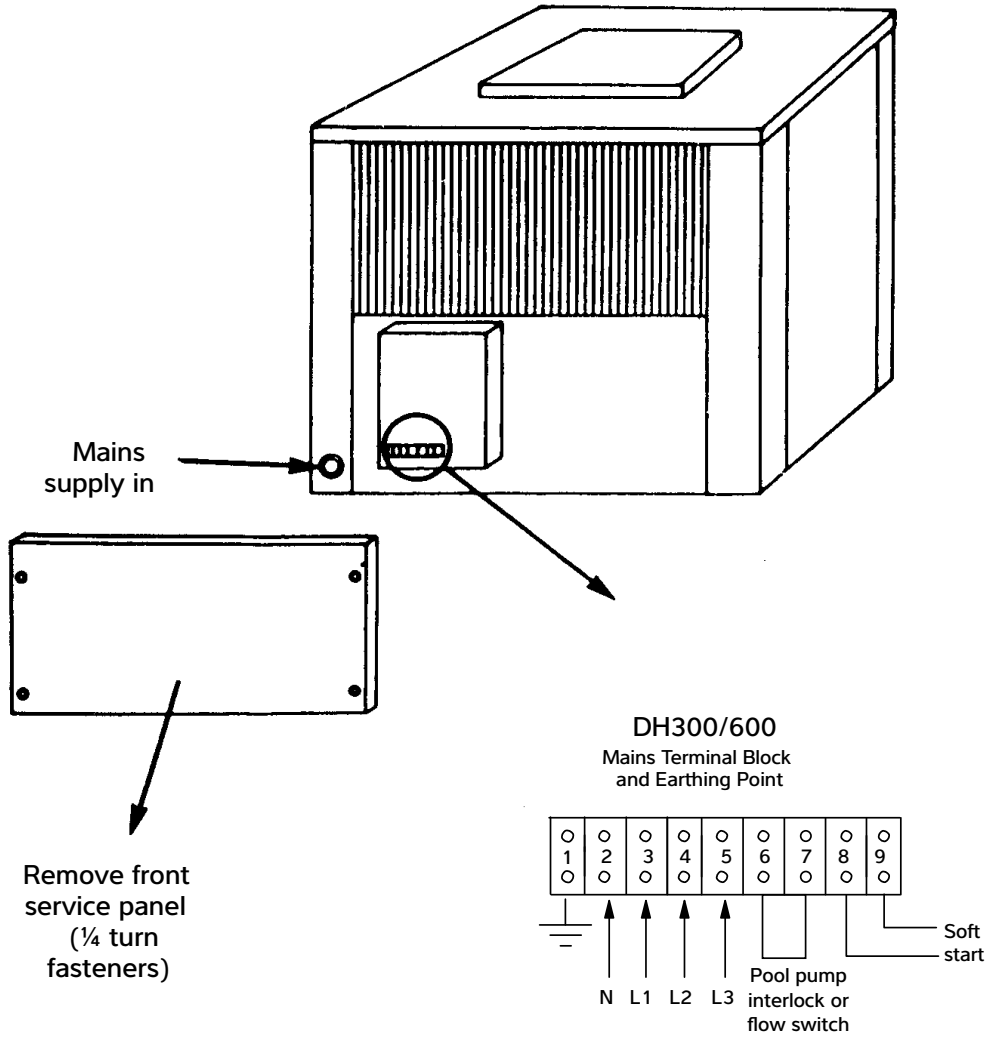


FIG.8. DH300/600, LOCATION OF MACHINE SUPPLY TERMINAL BLOCKS



4.0 CONTROLS AND INDICATION LAMPS

External Control Console.

- a. MAINS LAMP - RED - Illuminates whenever the electrical supply to the dehumidifier is on.
- b. FAULT LAMP - AMBER - Illuminates if the internal limit switches detect a problem, or if the external interlock facility is open circuit.
- c. DEFROST - WHITE - Illuminates whenever the dehumidifier is in defrost mode, this will happen at lower air temperatures and is **not a fault** condition, the dehumidifier will revert to normal run automatically when the defrost cycle is complete.
- d. ON/OFF SWITCH - This will only be found on DH150 models and should always be used if for some reason the dehumidifier is not required to be running or prior to isolating the dehumidifier from the mains electrical supply.
- e. STANDBY SWITCH - This will only be found on DH300/600 models and **must** always be used if for some reason the dehumidifier is not required to be running or prior to isolating the dehumidifier from the mains electrical supply.

IMPORTANT - On initial start up or if the **mains** electrical supply has been **interrupted** for any length of time (greater than 1 hour), then the standby switch must be set to "standby" **before** the mains electrical supply is reinstated, the dehumidifier must be left in this condition **for 12 hours before normal run is selected on the standby switch.**

Internal Controls.

- f. An adjustable internal humidistat effects control of humidity. Range 20/80%. A normal setting is 60% for achieving comfortable conditions and minimising condensation. (20% setting will remove more moisture from the dehumidified space than a 80% setting).
- g. An adjustable thermostat effects control of the air temperature and should be set to the **maximum** desired air temperature for the dehumidified space.
- h. Fan mode switch. This gives the user the option of having the fan cycle under control of the humidistat (with the compressor), or the fan can run continuously which will promote better air circulation which again helps to reduce condensation by preventing stagnant air pockets.
- i. If the Turning Hood Top Box Heater assembly option is fitted, then the adjustable air temperature thermostat control, located on the side of the Top Box Heater assembly should be set to the desired **minimum** air temperature required.

5.0 DEHUMIDIFIER MALFUNCTION

WARNING : ISOLATE DEHUMIDIFIER ELECTRICALLY BEFORE ENTERING)OR REMOVING PANELS.

The user check list should be carried out by a competent electrician 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 Department : Phone +44(0)1621 857171 or +44(0)1621 856611. Fax +44(0)1621 850871.

Any sign of abnormal operation, such as water dripping should be reported immediately to an installer or Calorex

USER CHECK LIST			
FAN AND COMPRESSOR BOTH OFF			
LAMP TYPE	LAMP COLOUR	LAMP STATE	ACTION
MAINS	RED	OFF	Check that the electrical supply and supply fuse (or MCB) to the dehumidifier are healthy and switched on. Check that the on/off rocker switch is "ON" (DH150 only).
FAULT	AMBER	OFF	
DEFROST	WHITE	OFF	
ON/OFF	RED	OFF	
MAINS	RED	ON	Check control MCB is on (DH300/600 three phase machines only)
FAULT	AMBER	OFF	
DEFROST	WHITE	OFF	
ON/OFF	RED	OFF	
FAN ON, COMPRESSOR OFF			
LAMP TYPE	LAMP COLOUR	LAMP STATE	ACTION
MAINS	RED	ON	Check humidistat is calling for the dehumidifier to run and that the air temperature thermostat is not exceeded. Check internal fuses/overloads. Check "Standby" switch "ON" (if fitted).
FAULT	AMBER	OFF	
DEFROST	WHITE	OFF	
ON/OFF	RED	ON	
LAMP TYPE	LAMP COLOUR	LAMP STATE	ACTION
MAINS	RED	ON	Check air flows are not restricted. Re-set HP switch on DH300 & DH600. Check thermal cut out on soft start and heater hood if fitted. Check fan for correct rotation (DH300/600).
FAULT	AMBER	ON	
DEFROST	WHITE	OFF	
ON/OFF	RED	ON	
LAMP TYPE	LAMP COLOUR.	LAMP STATE.	ACTION
MAINS	RED	ON	Check that the air temperature is above 0°C for DH150s, and above -15°C for DH300/600. Note :- It is acceptable for the dehumidifier to cycle on the defrost light once per hour at low air temperatures.
FAULT	AMBER	OFF	
DEFROST	WHITE	ON	
ON/OFF	RED	ON	

6.0 DEHUMIDIFIER TECHNICAL DATA SHEET

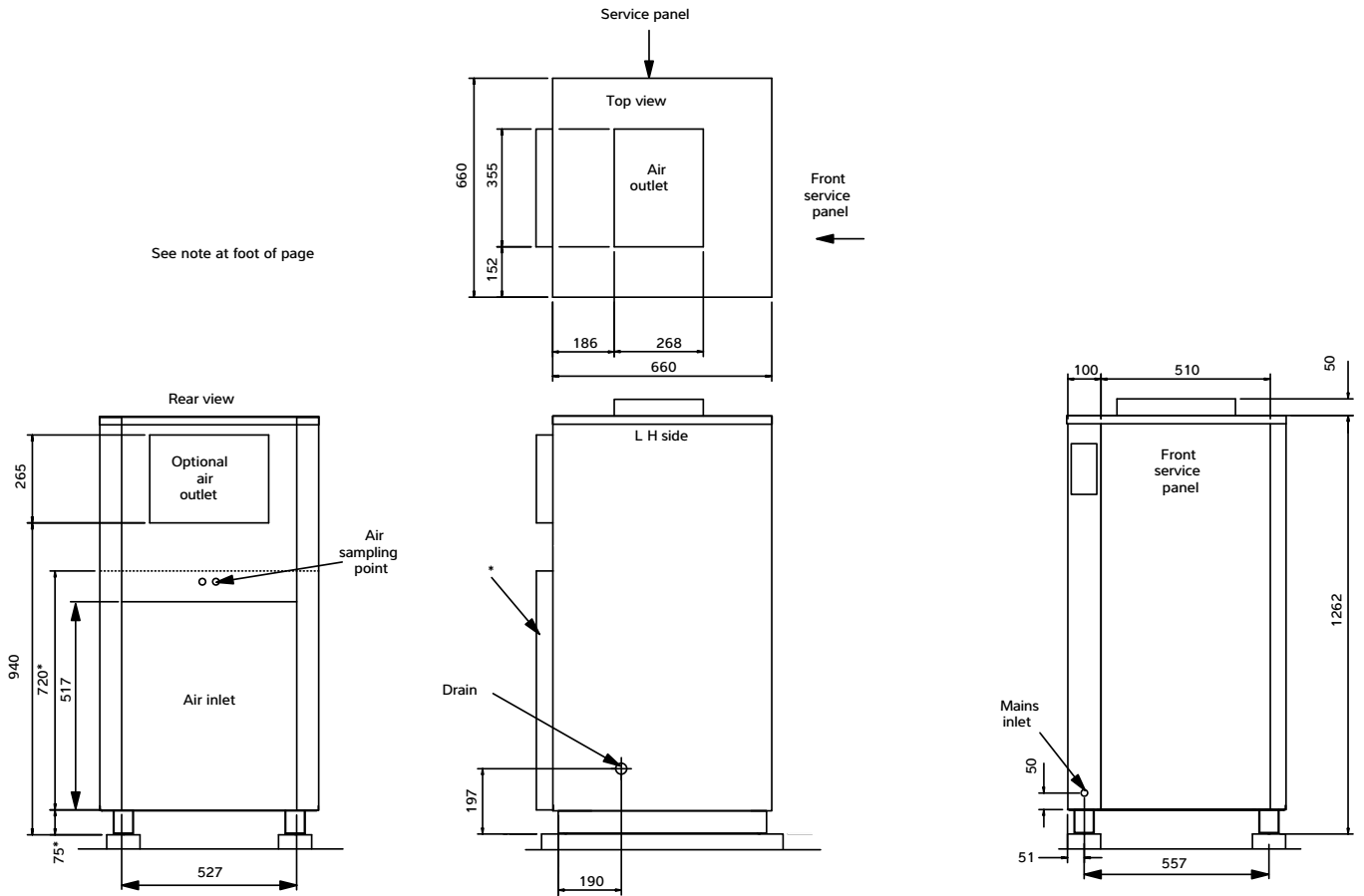
MODEL NUMBER	1Ø	DH150AX	N/A	N/A
	3Ø	DH150BX	DH300BL(Y)	DH600BY
PERFORMANCE DATA				
Dehumidification Rate	L/h	6:25	12:5	25
Output to Air Nett (DH model)	kW	5.5	15.5	25
Total Electrical Input (STD fan)	kW	2.3	6.7	10.0
Total Electrical Input ("F" Fan)	kW	N/A	7.3	10.4
ELECTRICAL DATA				
Supply Details 1Ø		230V~1N 50Hz	N/A	N/A
Supply Details 3Ø		----- 400V ~3N 50Hz -----		
Fan Option Type			STD "F" STD "F"	
Maximum Supply Fuse 1Ø	amps	32	N/A N/A	N/A N/A
Maximum Supply Fuse 3Ø	amps	20	30 30	35 35
Maximum Running Amps 1Ø	amps	23.3	N/A N/A	N/A N/A
Maximum Running Amps 3Ø	amps	13.2	18.9 19.1	26 27
Starting Current Amps 1Ø STD	amps	62	N/A	N/A
Starting Current Amps 1Ø "S"	amps	28	N/A	N/A
Starting Current Amps 3Ø STD	amps	42	66	135
Starting Current Amps 3Ø "S"	amps	16	29	55
AIR HEATER OPTION				
If Turning Hood with Heater Fitted				
Separate Supply for heaters				
Maximum Power Output	kW	9	N/A	N/A
Maximum Full Load Amps 1Ø	amps	36	N/A	N/A
Maximum Full Load Amps 3Ø	amps	12	N/A	N/A
Maximum Supply Fuse 1Ø	amps	50	N/A	N/A
Maximum Supply Fuse 3Ø	amps	16	N/A	N/A
AIR FLOW DATA				
Air Flow Nominal	m ³ /h	2500	5000	9000
Ducting Design Static Pressure STD	Pa	N/A	60	80
*Ducting Max Static Pressure	Pa	0-200	-	-
Ducting Max' Static Pressure "F" M/C	Pa	N/A	140	160
If Turning Hood with Heater fitted:				
Ducting Design Static Pressure STD M/C	Pa	N/A	N/A	0
* Ducting Max Static Pressure	Pa	0-170	-	-
Ducting Max Design Static Pressure "F"	Pa	N/A	N/A	80
WATER FLOW DATA				
Condensate Water Connection Size		¾"Domestic Waste	1½"BSPM	1½"BSPM
PHYSICAL DATA				
Width (unpacked)	mm	660	980	1730
Depth (unpacked)	mm	660	720	1250
Height (unpacked)	mm	1313	1435	1600
Weight (unpacked)	kg	130	220	497
MISC' DATA				
Hermetic System				
Refrigeration charge R407c (STD DH)	kg	2.5	9.5	14
Refrigeration charge R407c (DH300BLY)	kg		10	
Sound Pressure at 3m	db(A)	58	66	63

NOTES:-

- 1) Performance data based on air at 20°C, 75%RH (Water at 26°C).
 - 2) Weight and dimensions nett.
 - 3) Allow 500mm clearance to service panels.
 - 4) Minimum air temperature 0°C for "X" models and -15°C for "Y" models.
 - 5) Calorex reserve the right to change or modify models without prior notice.
 - 6) R407c Global Warming Potential (GWP) 1774
- *DH150 features a Control Flow fan at 2500m³/h

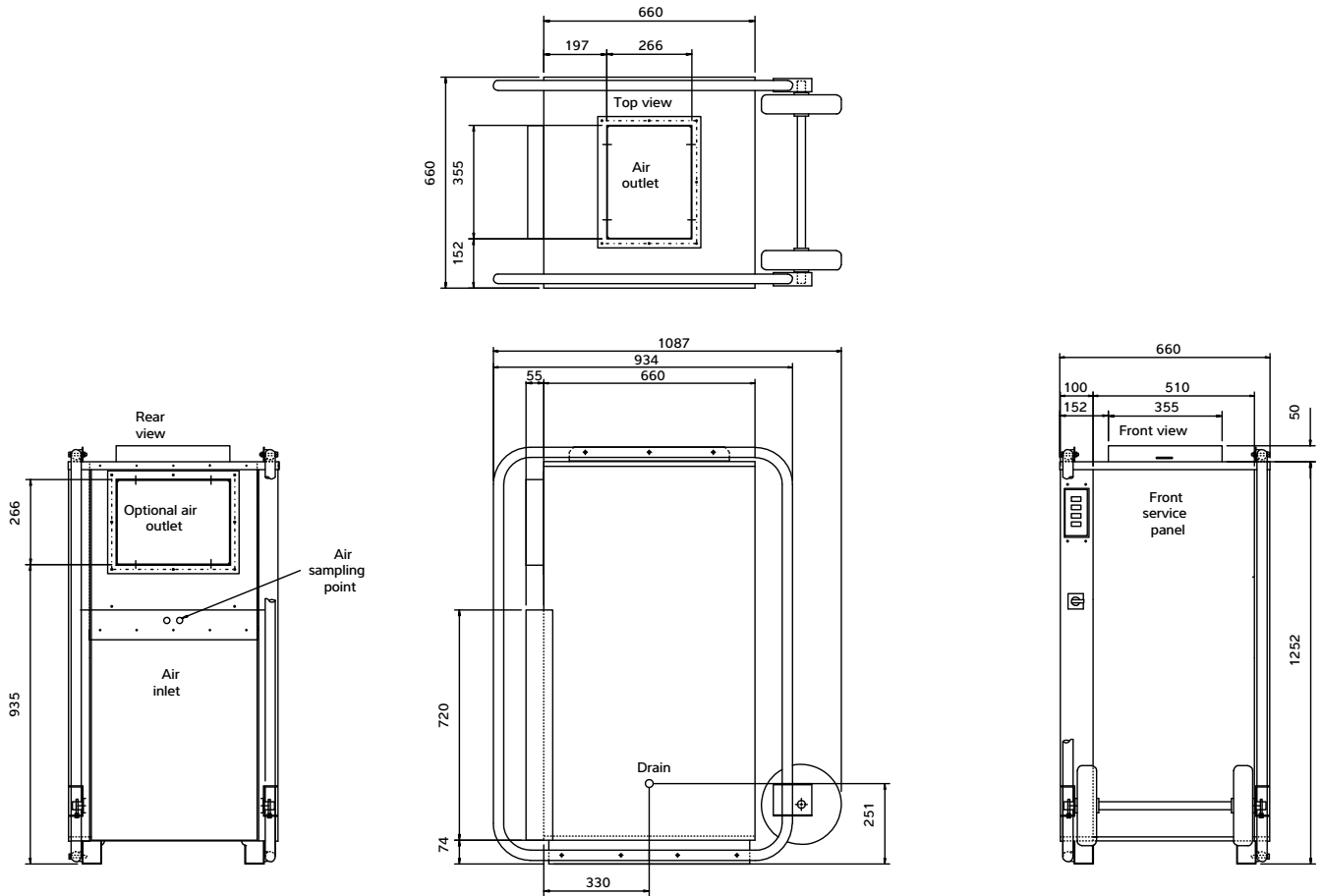
7.0 INSTALLATION DRAWINGS

DH150 DEHUMIDIFIER.



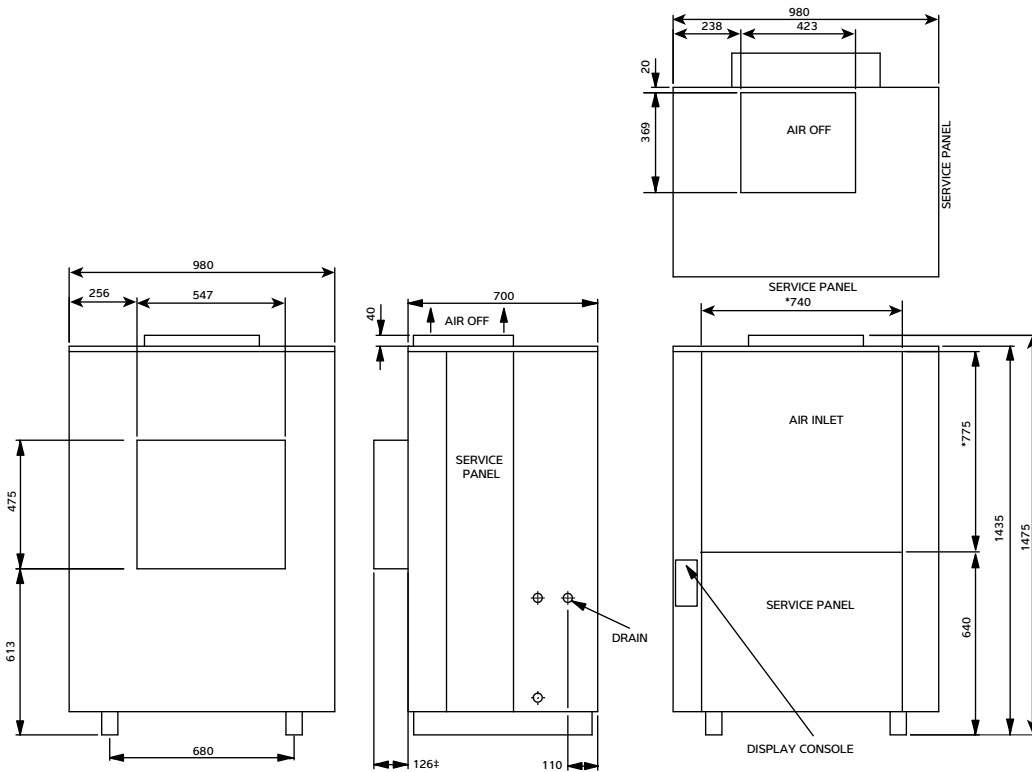
NOTE:- Dimensions marked * refer to dimensions of inlet DUCT FLANGE KIT OPTION (50mm Deep).

DH150 DEHUMIDIFIER - WHEELS AND HANDLES OPTION (DH150BX ONLY)



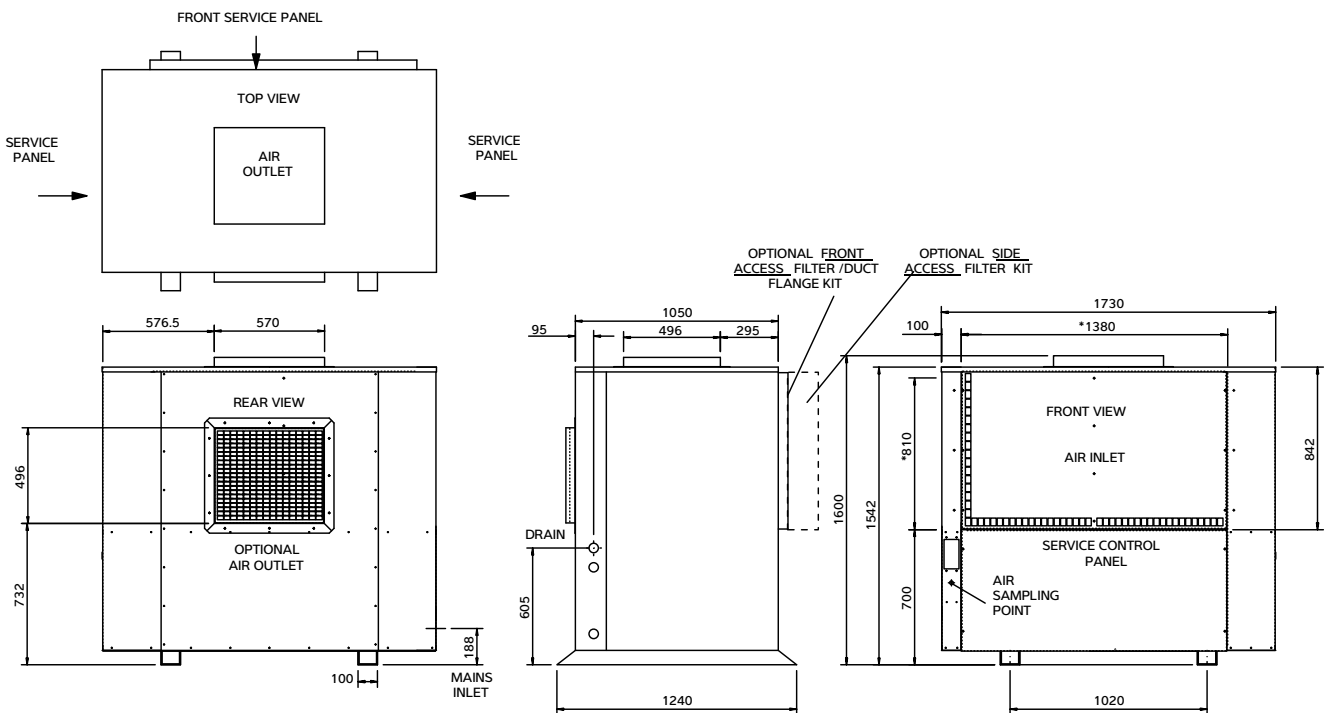
NOTE:- Dimensions marked * refer to dimensions of inlet DUCT FLANGE KIT OPTION (50mm Deep).

DH300 DEHUMIDIFIER.



NOTES :- Dimensions marked * refer to dimensions of INLET DUCT FLANGE KIT OPTION (50mm Deep).
 ‡ When the condensate pump is fitted service access may be necessary.

DH600 DEHUMIDIFIER.

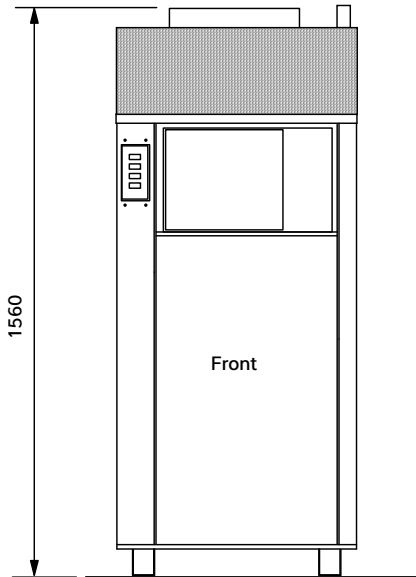


NOTE: Dimensions marked * refer to dimensions of inlet DUCT FLANGE KIT OPTION (50mm DEEP)
 Dimensions are the same for FRONT ACCESS FILTER KIT.

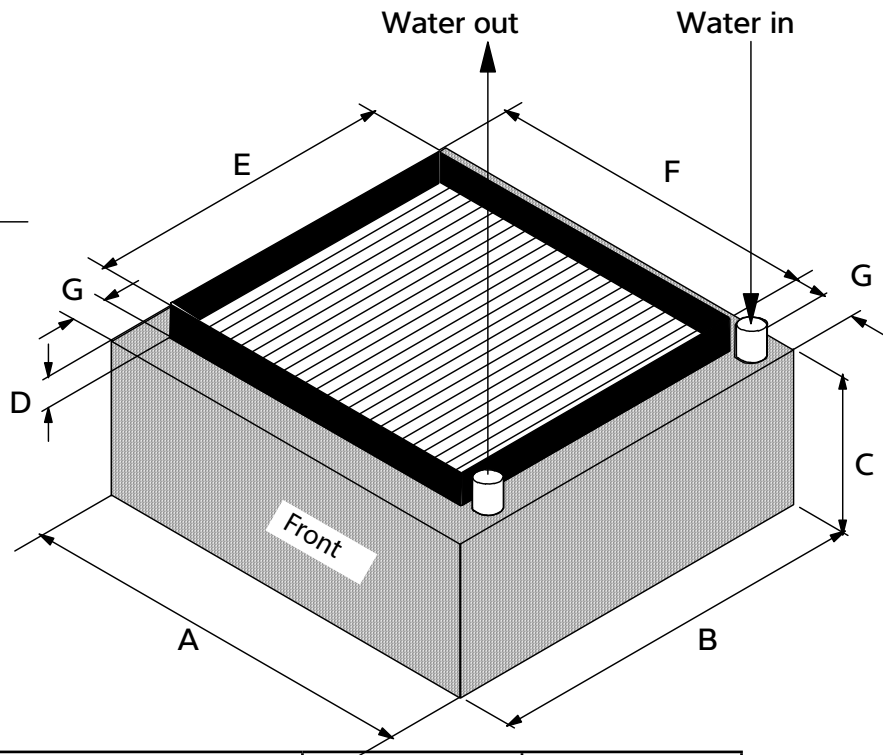
THE ALTERNATIVE SIDE ACCESS FILTER KIT IS 157mm DEEP.

8.0 LOW PRESSURE HOT WATER (LPHW) HEATER BATTERY OPTION

For use with Calorex DH150 Dehumidifier only - available from your Calorex Distributor.

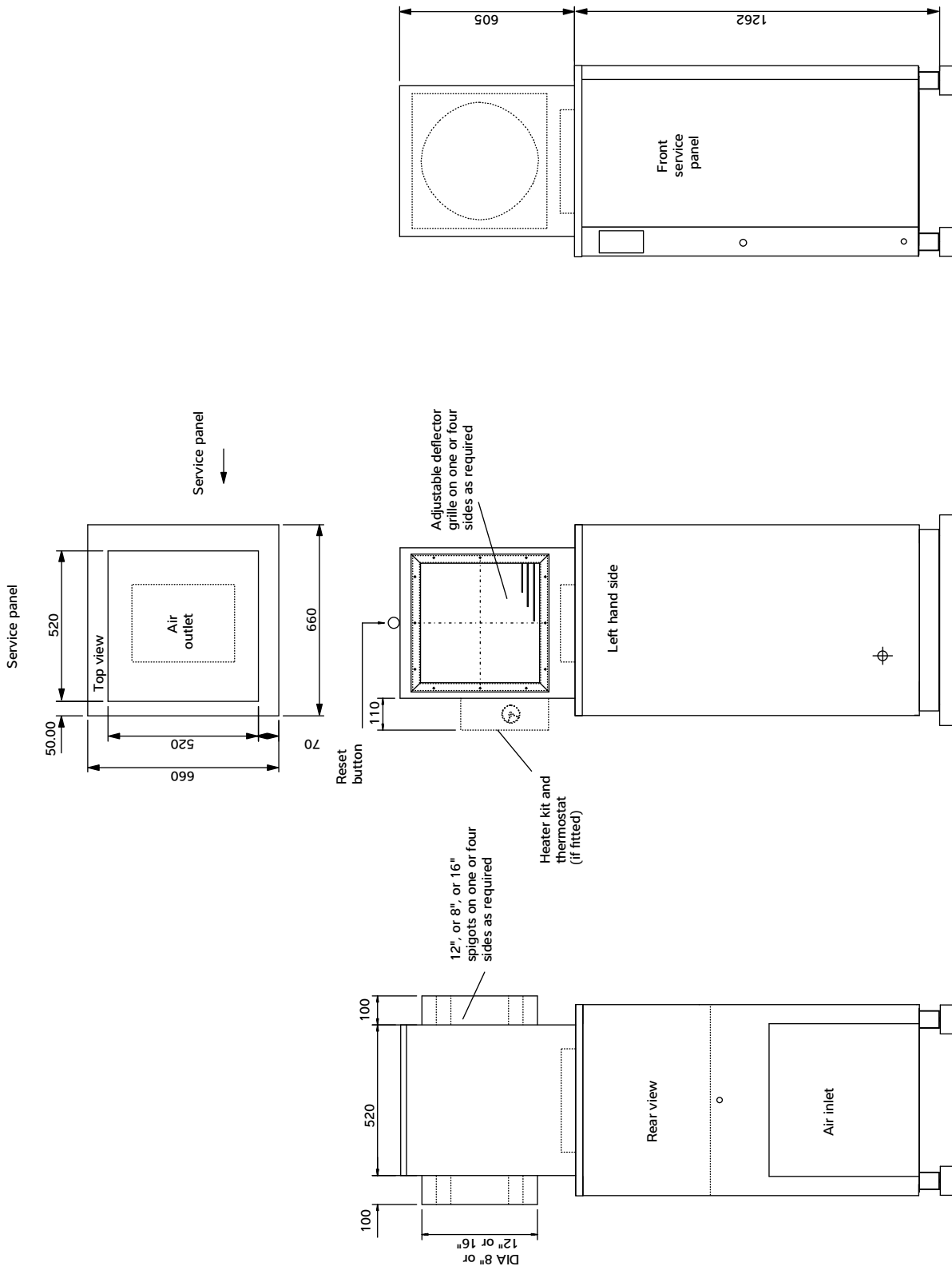


DH150 with LPHW 580

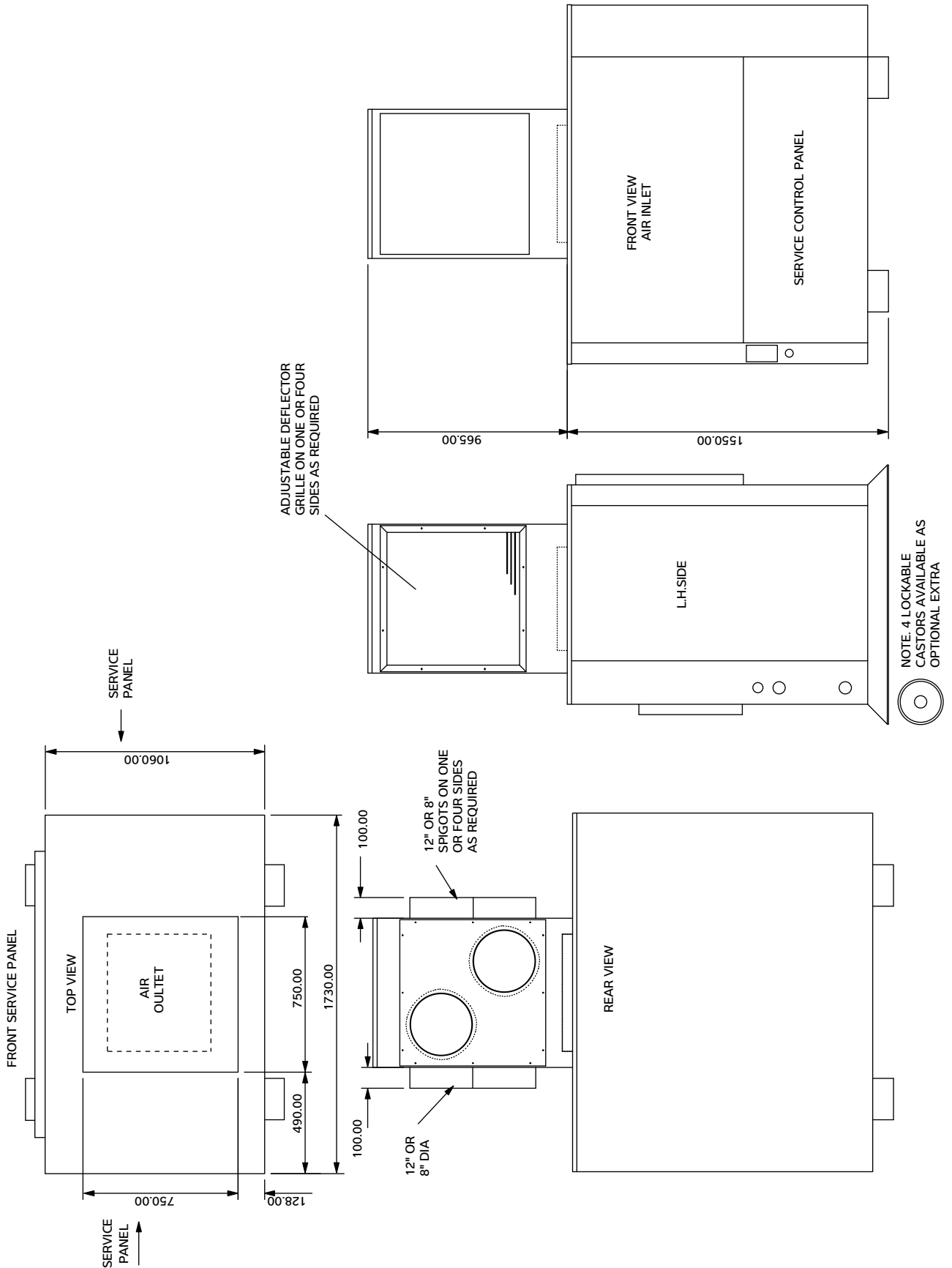


MODEL		LPHW580
Output (Water at 80°C, Air at 30°C)	kW	18
Water Connections	mm	22mm Stubs
Water Pressure Drop	psig	0.5
Water Flow	L/min	23
Water Volume	litres	2.5
Air Pressure Drop	mmWG	2.5
Air Off Temperature	°C	50
Dimensions: "A"	mm	650
"B"	mm	620
"C"	mm	250
"D"	mm	50
"E"	mm	500
"F"	mm	540
"G"	mm	60

**9.0 DH150 WITH TOP DISCHARGE BOX OPTION
WITH OR WITHOUT 9KW HEATER OPTION.**



10.0 DH600 WITH TOP DISCHARGE BOX OPTION



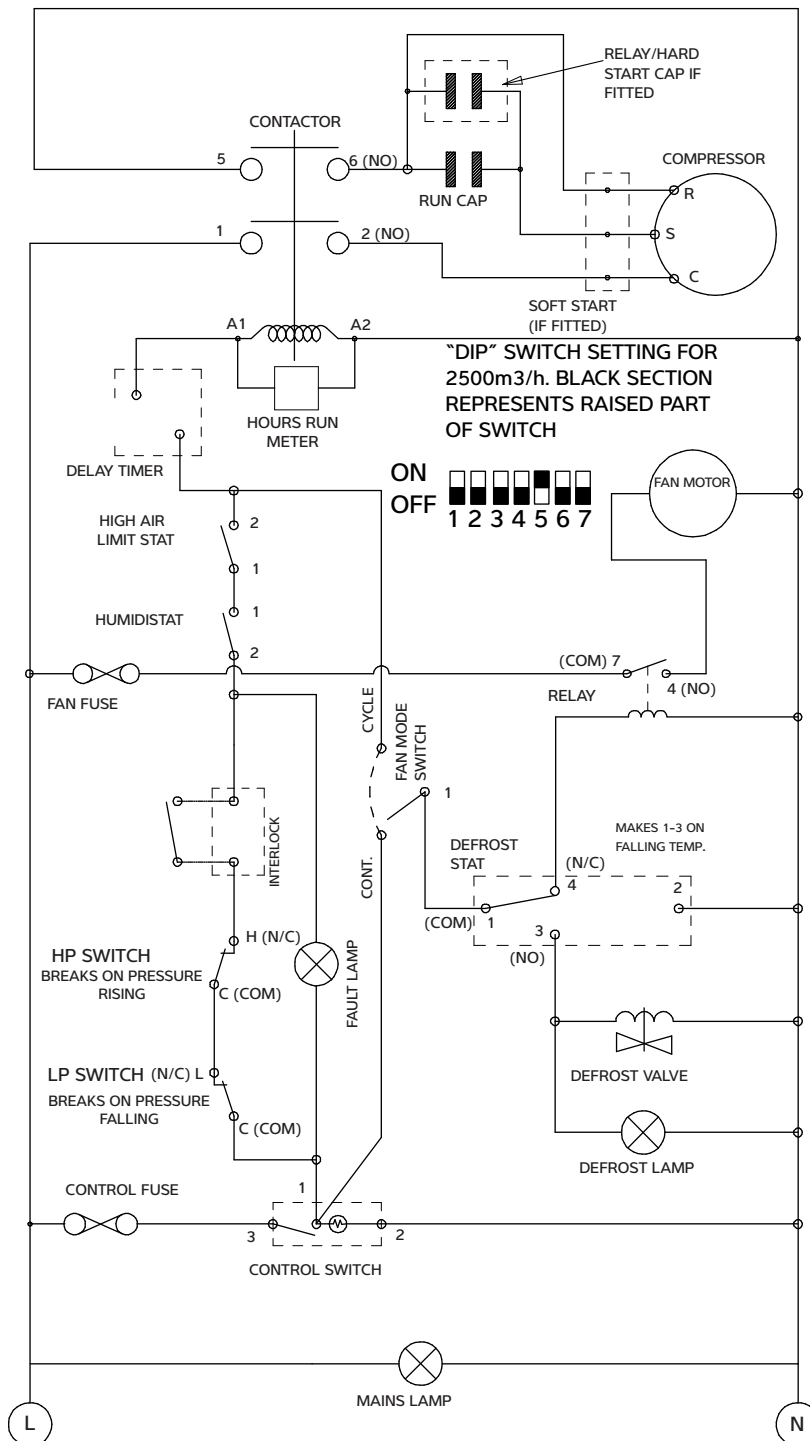
11.0 ELECTRICAL CIRCUIT DIAGRAMS

ELECTRICAL CIRCUIT DIAGRAM DH150AX SINGLE PHASE 230V 50Hz (~1N)

FUSE VALUES

	CONTROL	FAN
DH150AX	3A	16A

WHERE CONTACTS ARE MARKED (N/O OR N/C) ON CIRCUIT DIAGRAM, THEY ARE SHOWN IN DE-ENERGISED STATE WITH REFRIGERATION CIRCUIT FULLY CHARGED

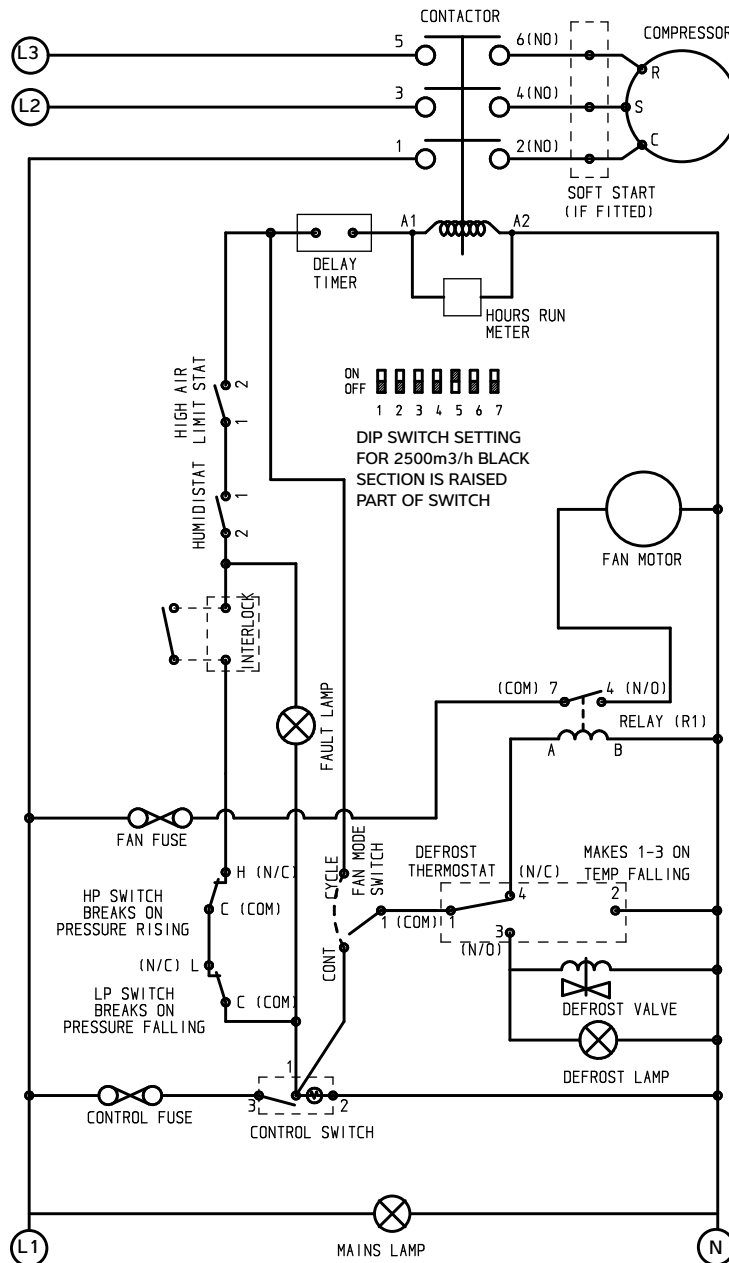


ELECTRICAL CIRCUIT DIAGRAM DH150BX STANDARD MACHINE THREE PHASE 400V 50Hz (~3N)

Fuse Values

	Control	Fan
DH150BX	3A	16A

Where contacts are marked N/O or N/C on the circuit diagram, they are shown in the de-energised state with the refrigeration circuit fully charged.

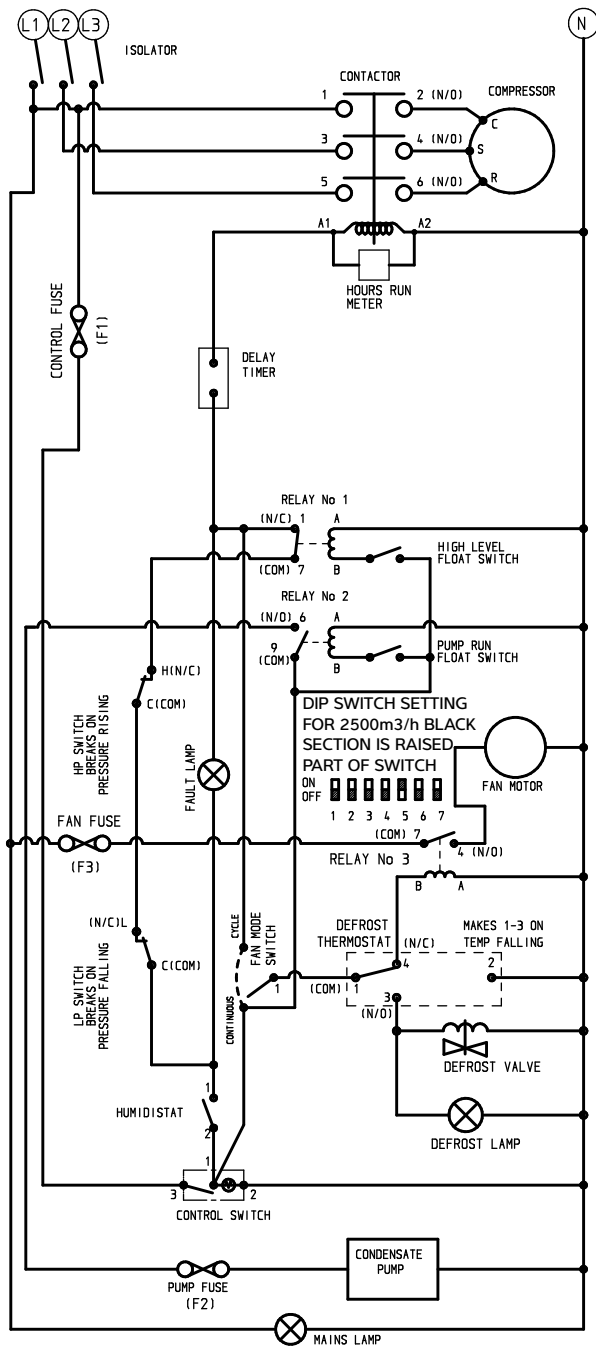


ELECTRICAL CIRCUIT DIAGRAM DH150BX WHEELS AND HANDLES VERSION THREE PHASE 400V 50Hz (~3N)

Fuse Values

	Control (F1)	Pump (F2)	Fan (F3)
DH150BX	3A	1A	16A

Where contacts are marked N/O or N/C on the circuit diagram, they are shown in the de-energised state with the refrigeration circuit fully charged.



ELECTRICAL CIRCUIT DIAGRAM DH300BY THREE PHASE 400V 50Hz (~3N)

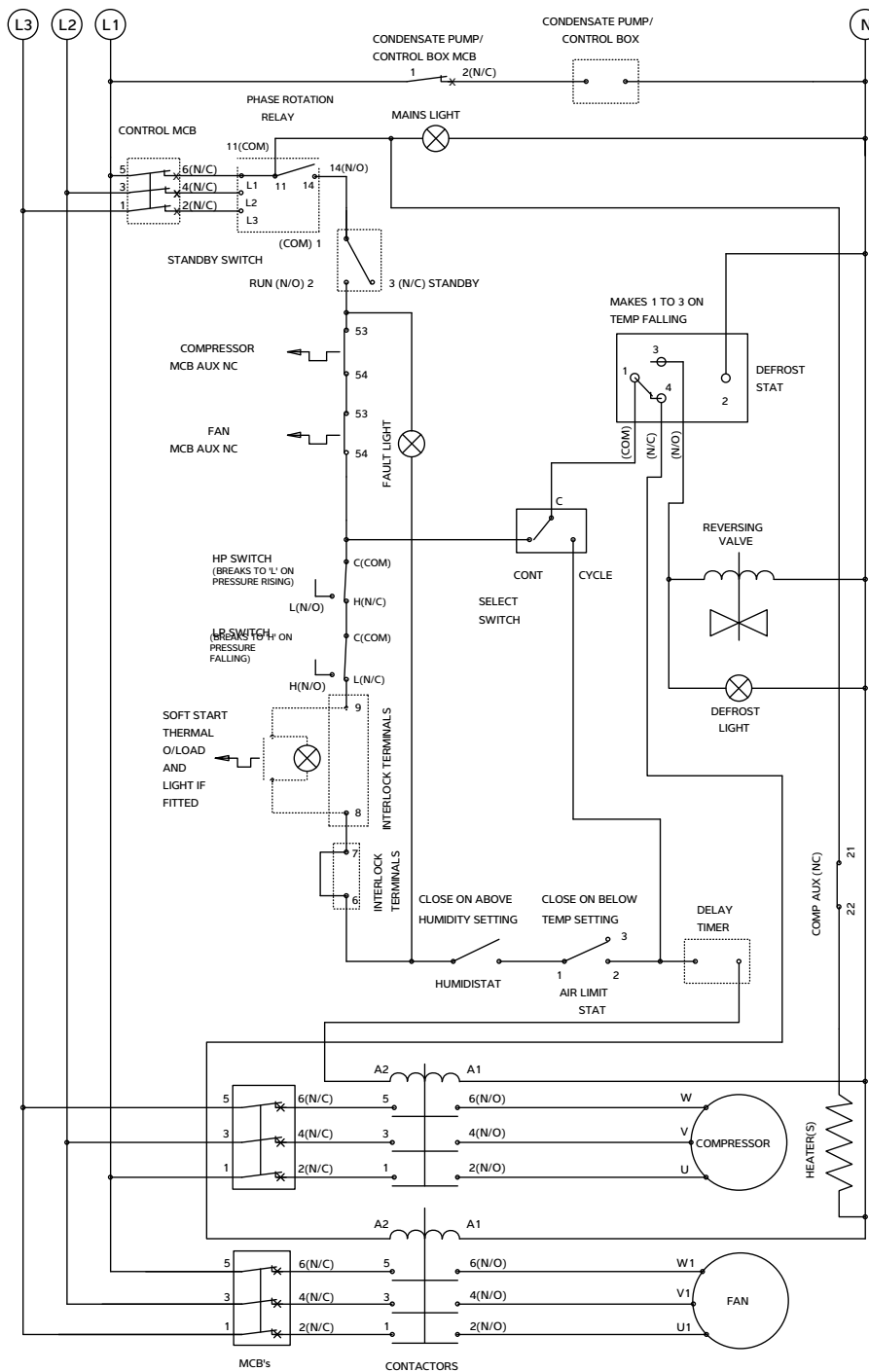
MCB SETTING VALUES

DESCRIPTION	COMPRESSOR	FAN	F FAN	CONTROL	PUMP CONTROL
VALUE	16.8	2.1	2.3	2.5	2.0

MCB CONTACTS / MCB ALARM CONTACTS / MCB AUX CONTACTS SHOWN WITH CIRCUIT BREAKER MANUALLY SWITCHED TO THE ON CONDITION

ALL OTHER CONTACTS SHOWN IN DE-ENERGISED STATE BUT WITH REFRIGERATION CIRCUIT FULLY CHARGED

WHERE CONTACTS ARE MARKED (N/O) OR (N/C) ON CIRCUIT DIAGRAM ABOVE CONDITIONS APPLY



ELECTRICAL CIRCUIT DIAGRAM DH300BL THREE PHASE 400V 50Hz (~3N)

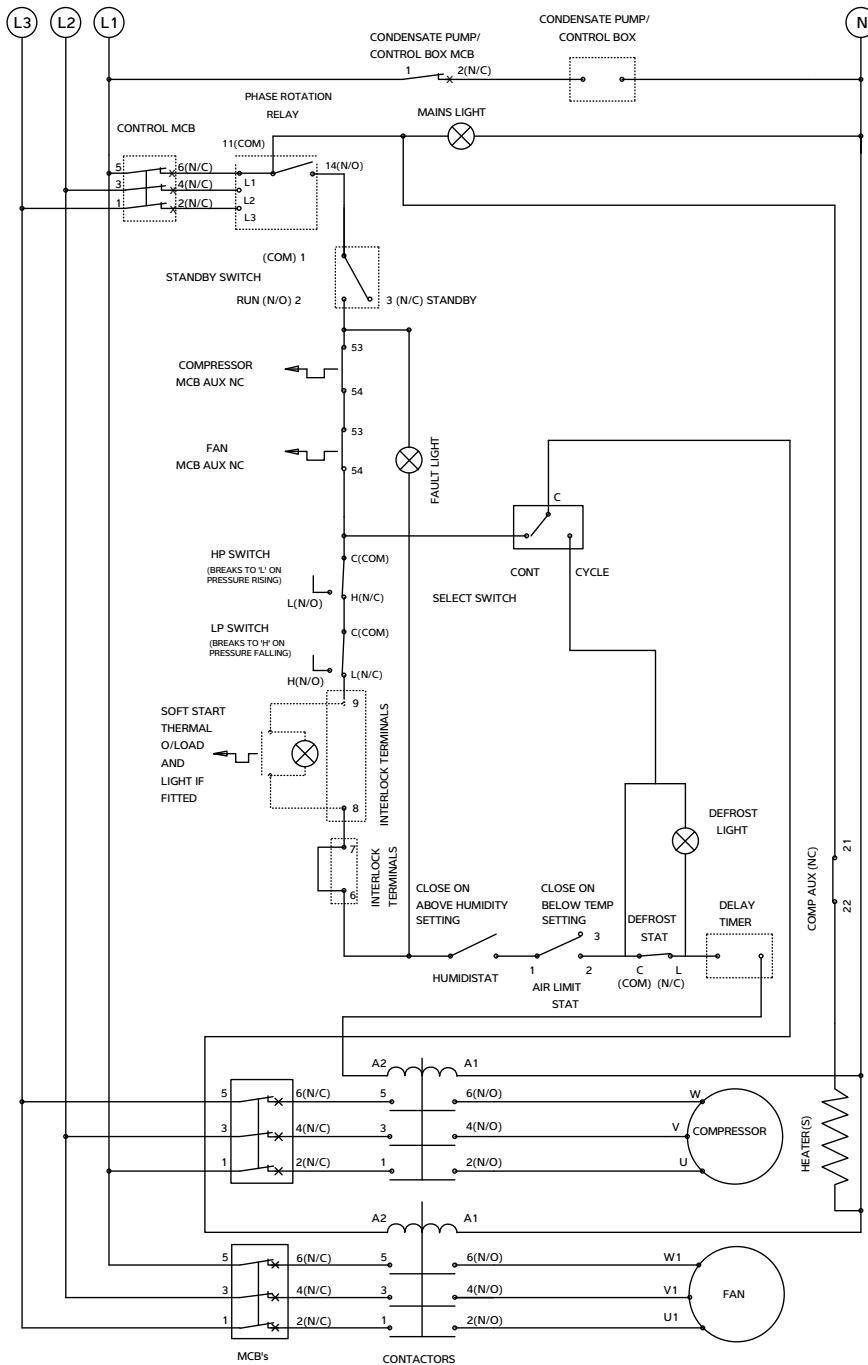
MCB SETTING VALUES

DESCRIPTION	COMPRESSOR	FAN	F FAN	CONTROL	PUMP CONTROL
VALUE	16.8	2.1	2.3	2.5	2.0

MCB CONTACTS / MCB ALARM CONTACTS / MCB AUX CONTACTS SHOWN WITH CIRCUIT BREAKER MANUALLY SWITCHED TO THE ON CONDITION

ALL OTHER CONTACTS SHOWN IN DE-ENERGISED STATE BUT WITH REFRIGERATION CIRCUIT FULLY CHARGED

WHERE CONTACTS ARE MARKED (N/O) OR (N/C) ON CIRCUIT DIAGRAM ABOVE CONDITIONS APPLY



ELECTRICAL CIRCUIT DIAGRAM DH600BY THREE PHASE 400V 50Hz (~3N)

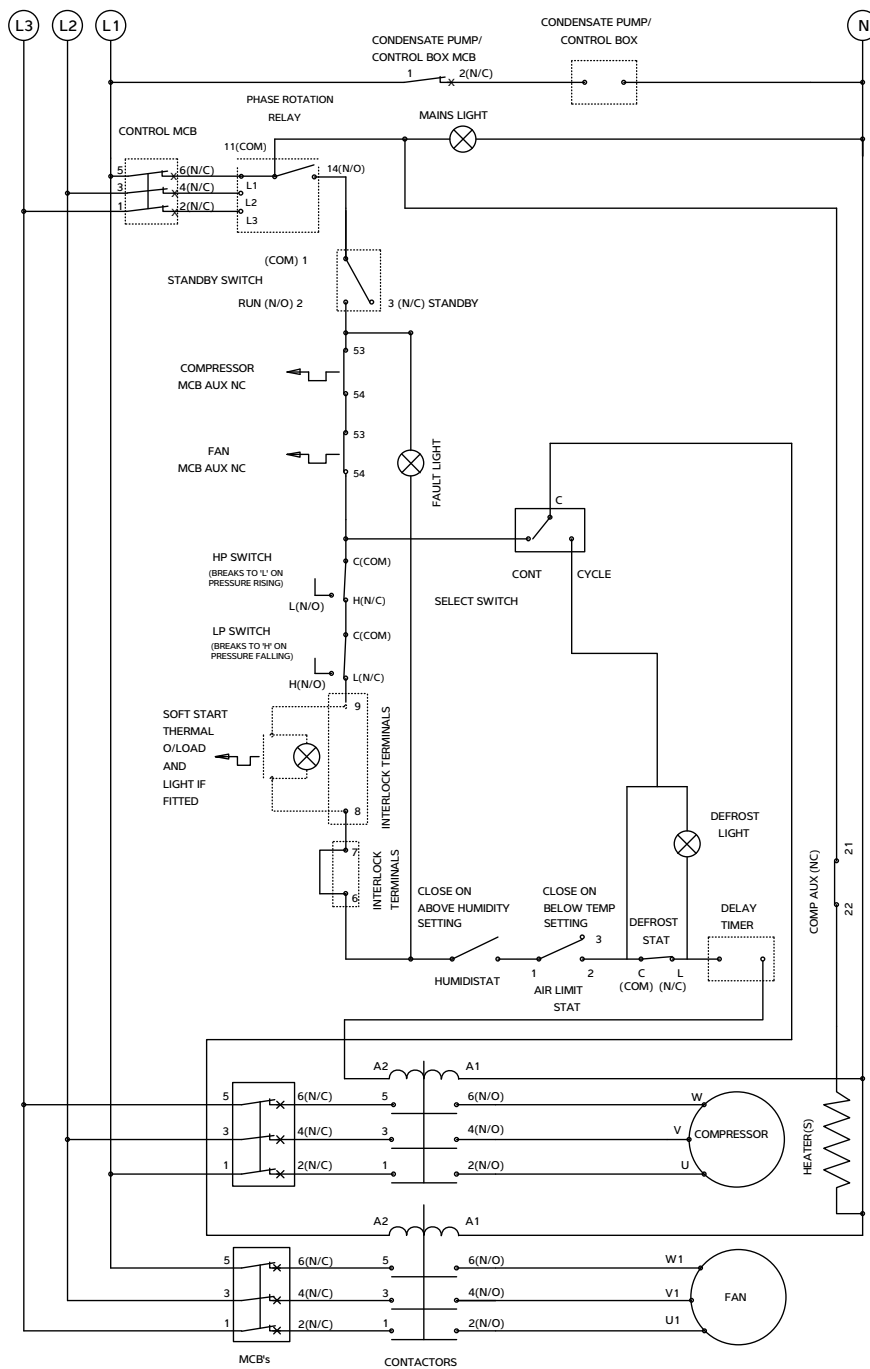
MCB SETTING VALUES

DESCRIPTION	COMPRESSOR	FAN	F FAN	CONTROL	PUMP CONTROL
VALUE	16.8	2.1	2.3	2.5	2.0

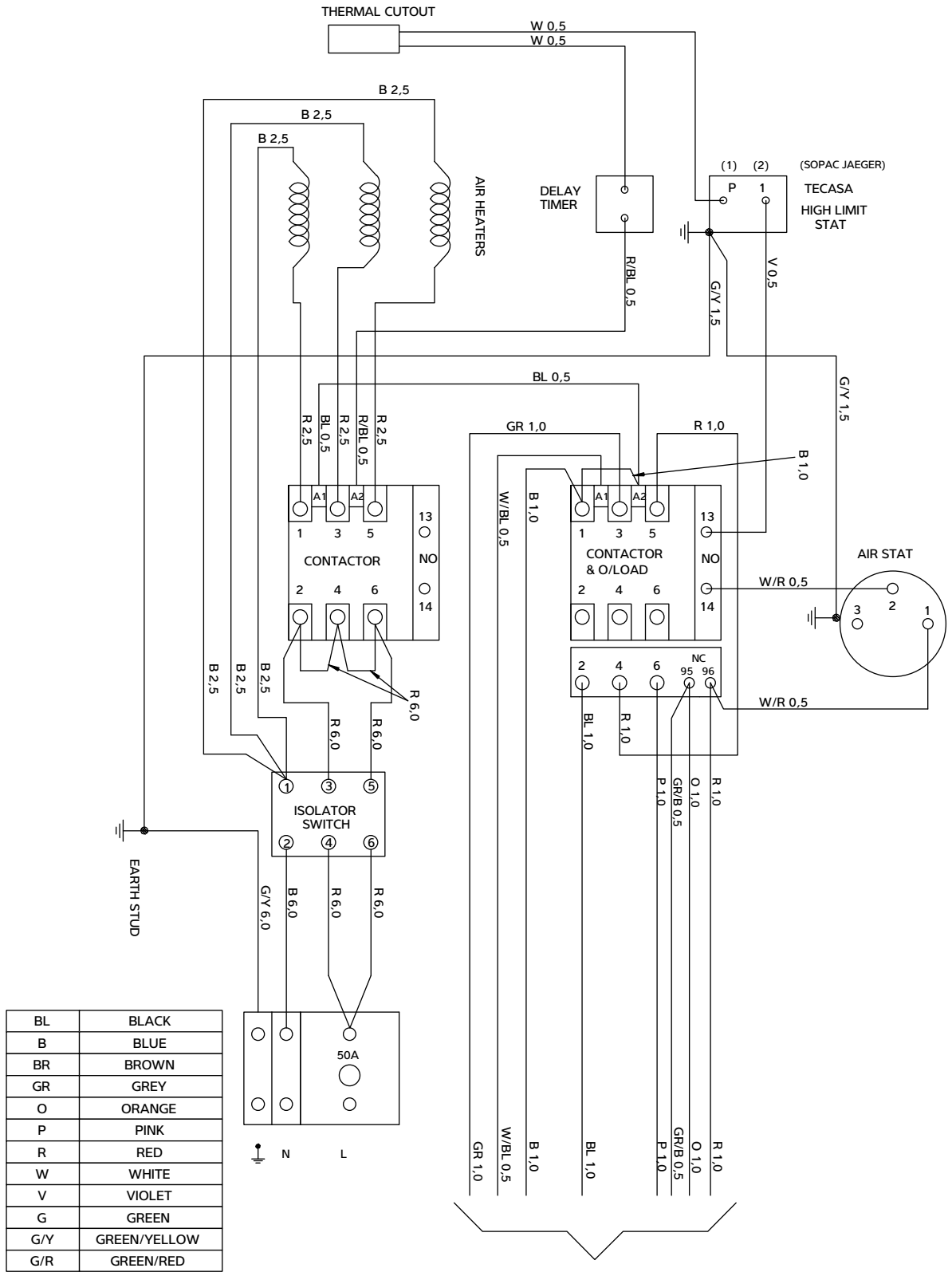
MCB CONTACTS / MCB ALARM CONTACTS / MCB AUX CONTACTS SHOWN WITH CIRCUIT BREAKER MANUALLY SWITCHED TO THE ON CONDITION

ALL OTHER CONTACTS SHOWN IN DE-ENERGISED STATE BUT WITH REFRIGERATION CIRCUIT FULLY CHARGED

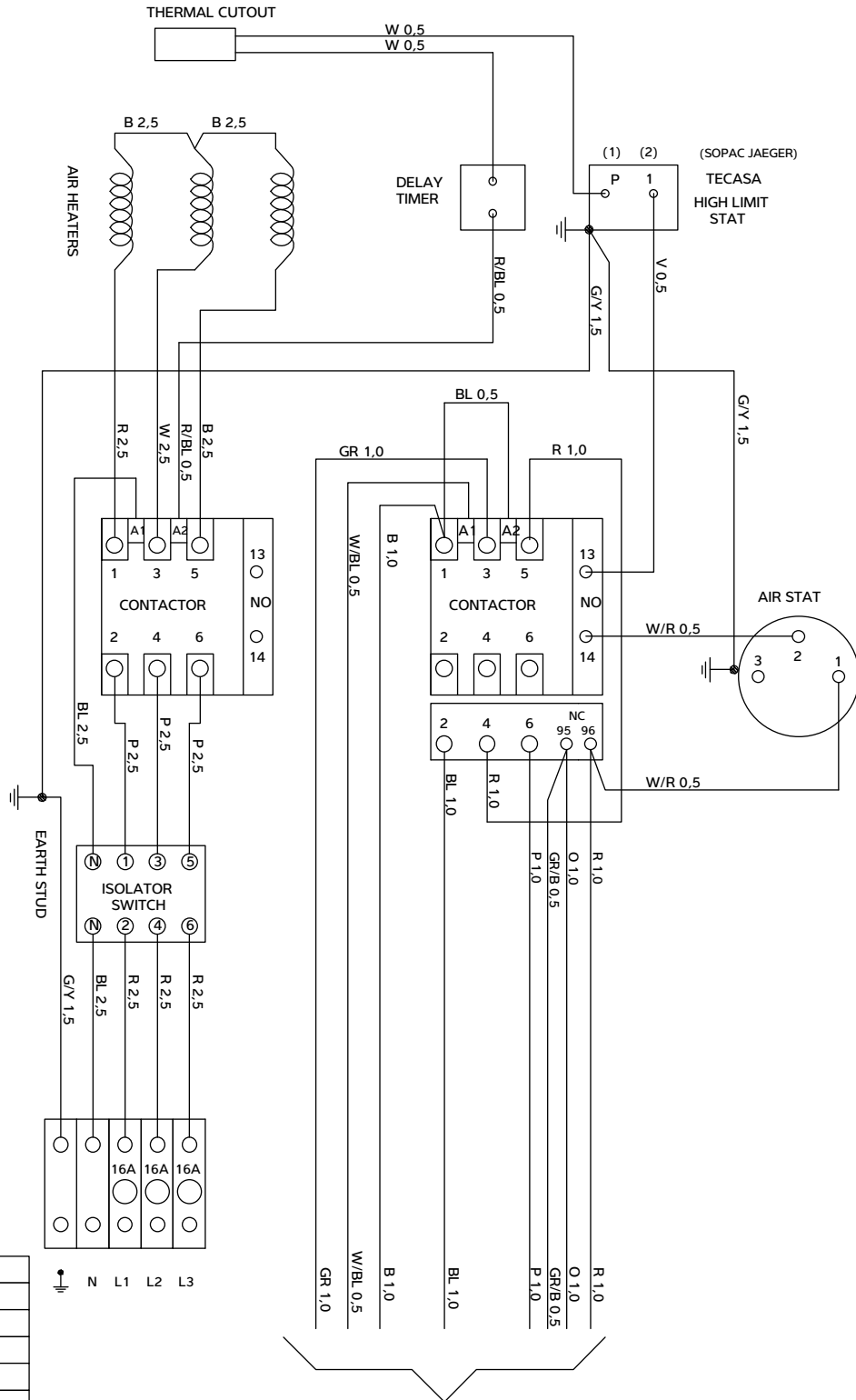
WHERE CONTACTS ARE MARKED (N/O) OR (N/C) ON CIRCUIT DIAGRAM ABOVE CONDITIONS APPLY



SINGLE PHASE HEATER BOX WIRING 230V 50Hz (~1N)



THREE PHASE HEATER BOX WIRING 400V 50Hz (~3N)



BL	BLACK
B	BLUE
BR	BROWN
GR	GREY
O	ORANGE
P	PINK
R	RED
W	WHITE
V	VIOLET
G	GREEN
G/Y	GREEN/YELLOW
G/R	GREEN/RED

SEE D319050 FOR WIRING INSTRUCTIONS

12.0 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 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 electrical supply is insufficient or in any way incorrect.
7. The dehumidifier has suffered frost damage.
8. The fan amps and duct pressure are outside the specified limits.

If in doubt or if advice is required please contact the Calorex Service Department by calling 01621 857171 or emailing service@calorex.com

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 heat pump please contact the Calorex Service Department giving your name, address and serial number of your heat pump. A card will be sent to you for completion.

Please give **MODEL NUMBER** and **SERIAL NUMBER** of your heat pump when making technical or service enquiries. This will assist in correct diagnosis and ensure service can be provided with the minimum delay.

13.0 MACHINE RECORD LOG

In order to comply with European F-Gas regulations, it is necessary for hermetically sealed systems with more than 6kg refrigerant to be leak tested annually. The operator of the unit is responsible for seeing that the test is carried out.

For machines affected see datasheet. A sample log sheet can be seen below.

Calorex is an Fgas registered company. Certificate number REF1011570.

General Information				
Plant Name				Serial Number
Location of Plant				
Plant Operator ¹				
Operator Contact ²				
Refrigerant Type				Refrigerant Quantity installed (kg)
Plant manufacturer	Calorex Heat Pumps Limited			Year of installation
Refrigerant Additions				
Date	Engineer ³		Amount Added kg	Reason for addition
	Company	Name		
Refrigerant Removals				
Date	Engineer		Amount Removed kg	Reason for removal What done with recovered refrigerant
	Company	Name		
Name and Address of Recycling or reclamation facility				Certificate number if applicable
Leak Tests				
Date	Engineer		Test Result	Follow up action required
	Company	Name		
Follow up Actions				
Date	Engineer		Related to test on	Actions taken
	Company	Name		
Testing of Automatic Leak Detection System (if fitted)				
Date	Engineer		Test Result	Comments
	Company	Name		

¹Name and address of company operating plant.

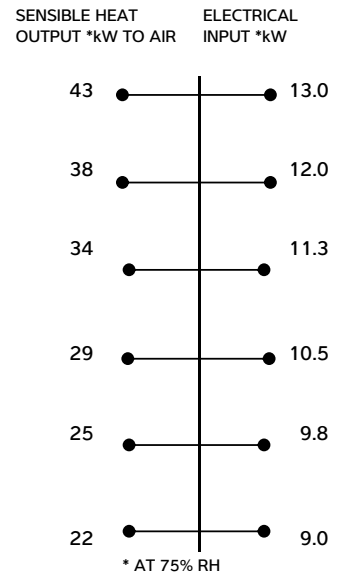
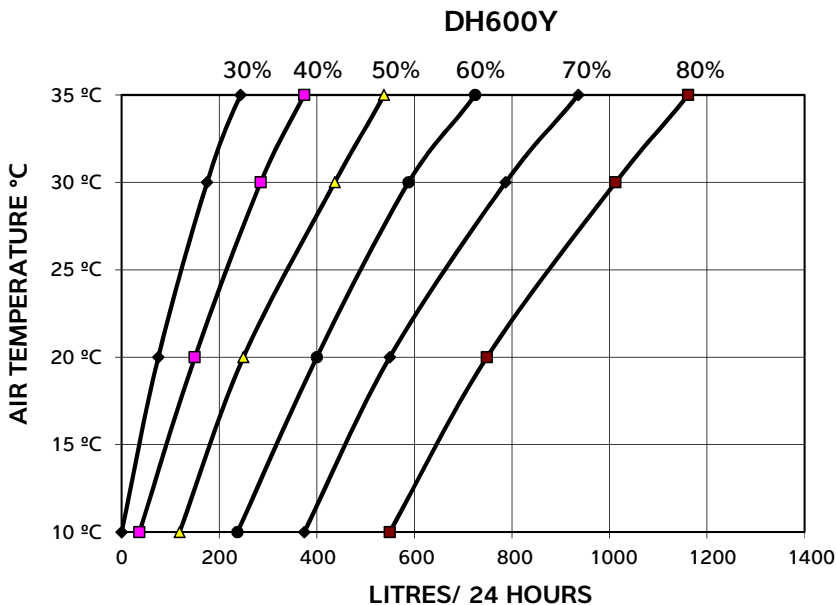
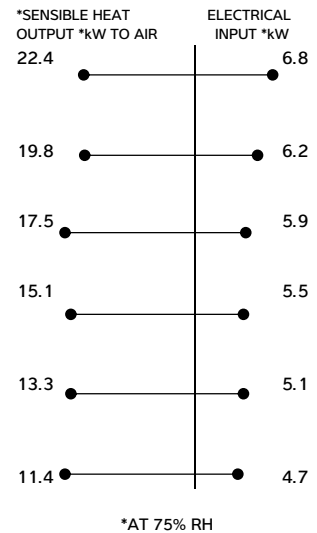
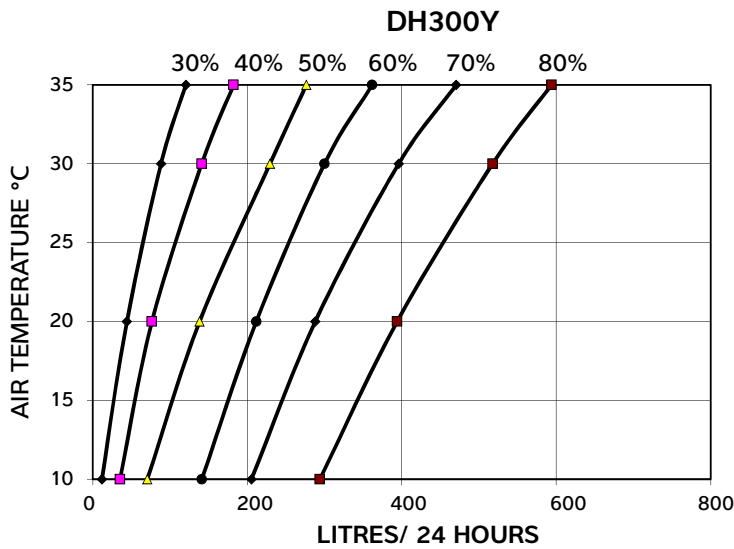
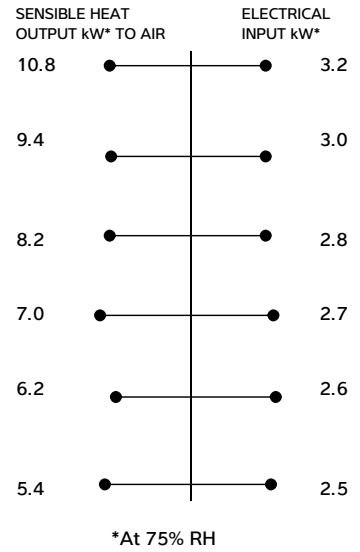
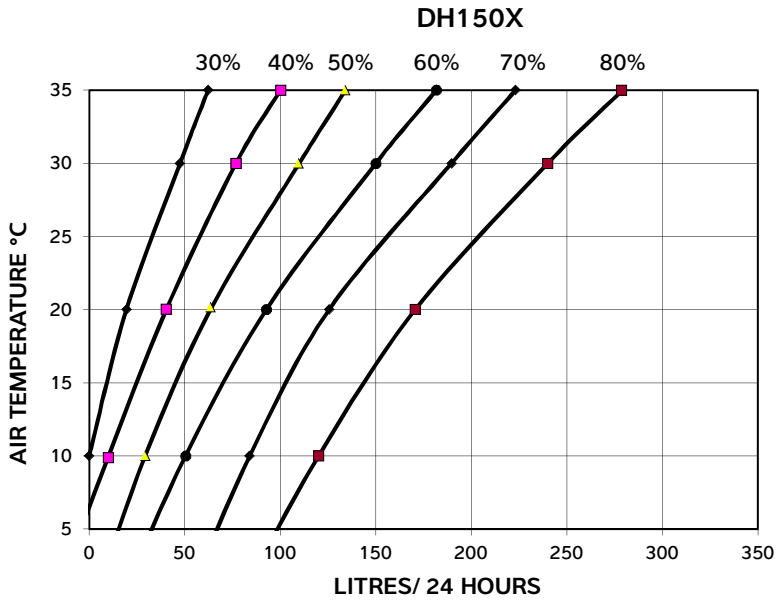
²Contact details of operator's nominated person responsible for FGas compliance.

³Company and technician carrying out work, with details to provide evidence of compliance.

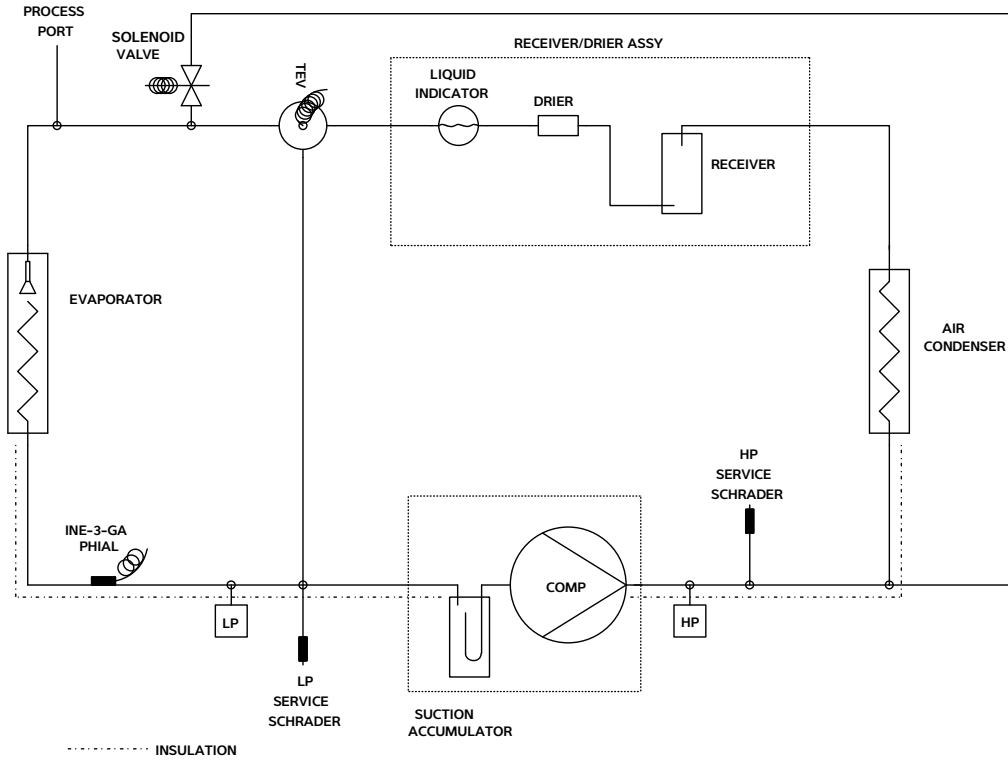
IMPORTANT The company carrying out refrigerant checking and removals, and the owner of the equipment need to keep records for FIVE YEARS.

When this machine is decommissioned the refrigerant gas is to be recovered in accordance with current environmental legislation.

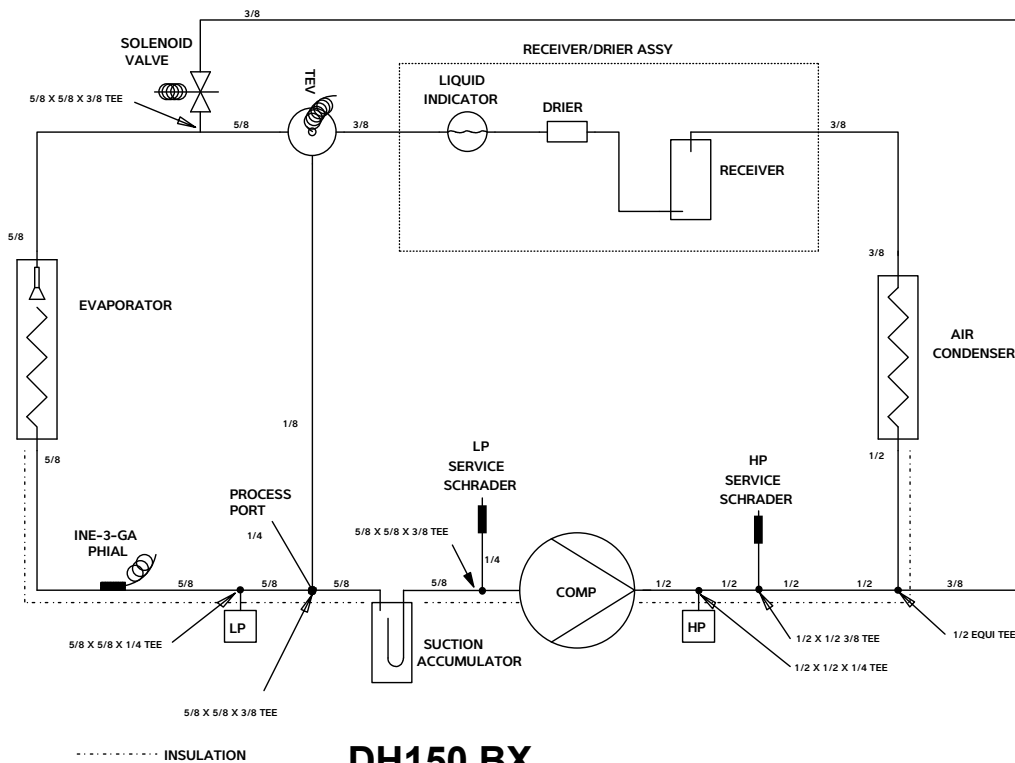
14.0 PERFORMANCE GRAPHS



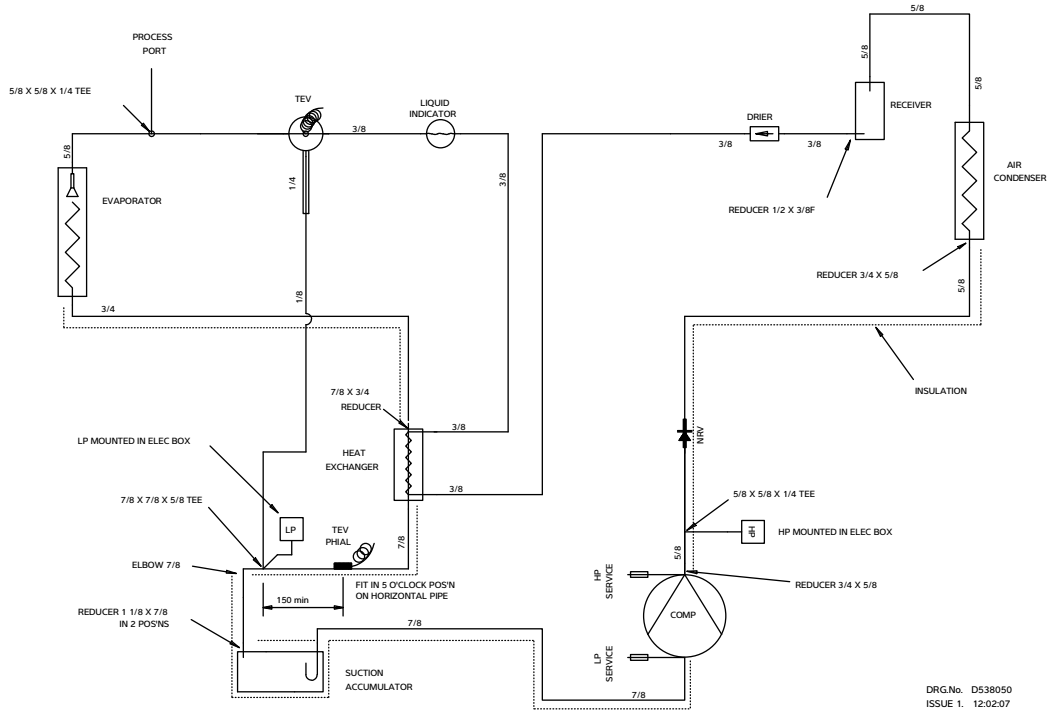
15.0 REFRIGERATION DIAGRAMS



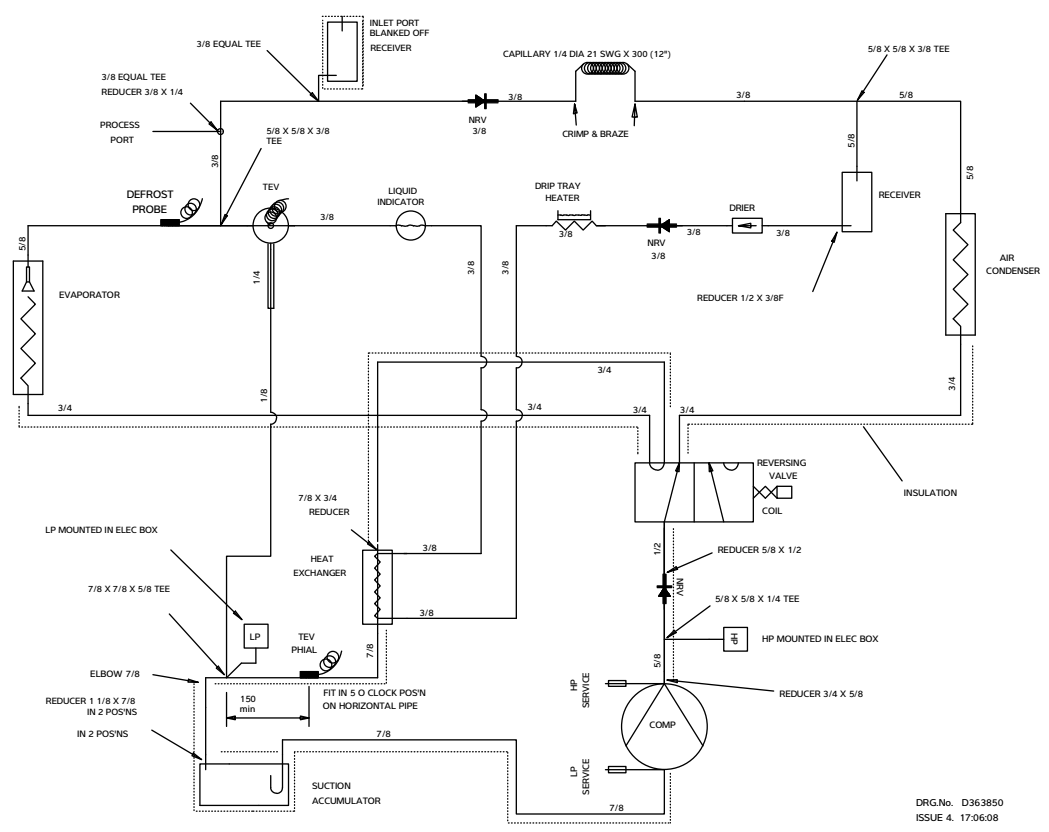
DH150 AX



DH150 BX



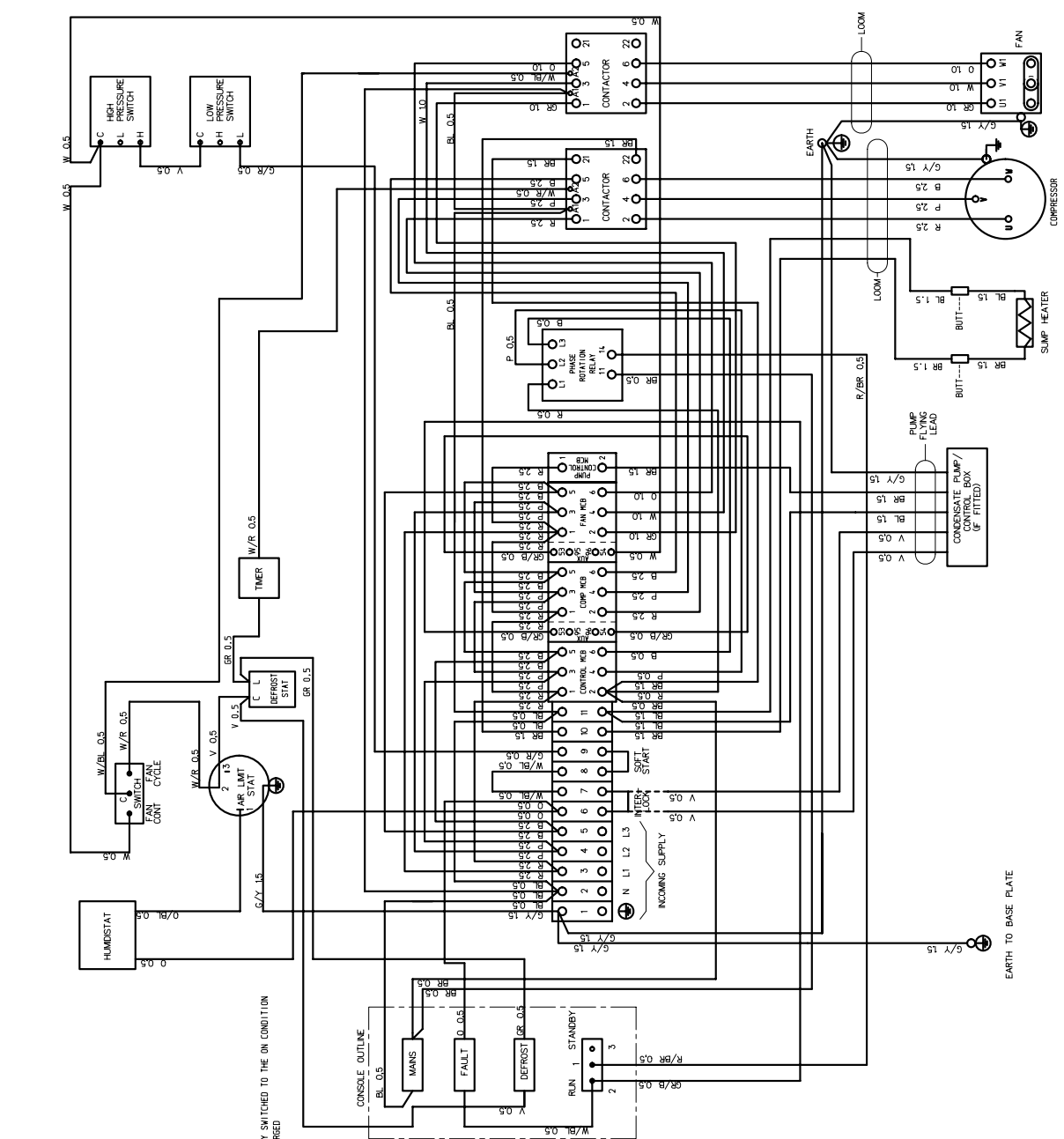
DH300BL



DH300BLY

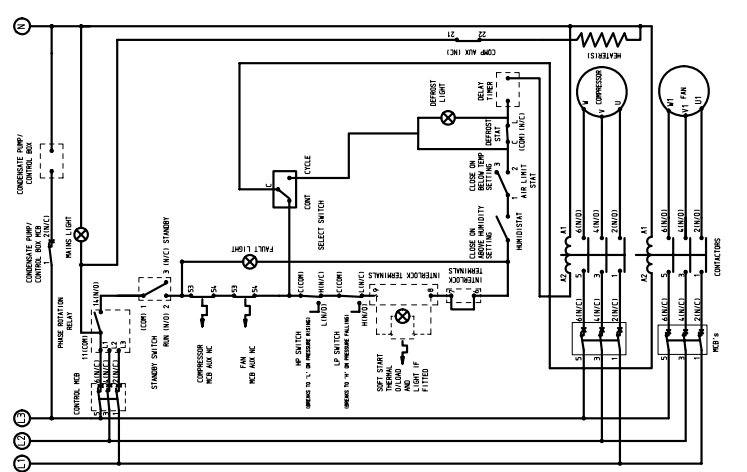
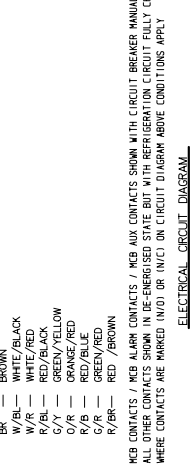
IF IN DOUBT ASK

DRG No. D537850



COLOUR CODE	DESCRIPTION	DEVICE SETTING VALUE
R	RED	16.80 AMPS
B	BLUE	2.10 AMPS
W	WHITE	2.30 AMPS
V	VIOLET	2.5 AMPS
GR	GREY	2.0 AMPS
GR/B	GREY/BLUE	2.0 AMPS
BL	BLACK	
BR	BROWN	
W/B	WHITE/BLACK	
W/R	WHITE/RED	
R/B	RED/BLACK	
G/Y	GREEN/YELLOW	
O/R	ORANGE/RED	
R/B/L	RED/BLUE	
G/R	GREEN/RED	
R/BR	RED/BROWN	

NOTES
 MCB CONTACTS / MCB ALARM CONTACTS / MCB AUX CONTACTS SHOWN WITH CIRCUIT BREAKER MANUALLY SWITCHED TO THE ON CONDITION
 ALL OTHER CONTACTS SHOWN IN DE-ENERGISED STATE BUT WITH REFRIGERATION CIRCUIT FULLY CHARGED
 WHERE CONTACTS ARE MARKED (NO) OR (N/C) ON CIRCUIT DIAGRAM ABOVE CONDITIONS APPLY



ISS	NO	DATE	BY	CHKD	APPD	DATE
1	AS	07/20/07				
2	RESPECTABLE	19/04/10				
3	COMPRESSOR RCB CHANGED. MARKINGS NOW FOR CHINT	14/2	DH			19/04/10
4	MARKINGS FOR CHINT CORRECTED	14/2	DH			02/07/10
5	FAN TERMINAL DESIGNATIONS REWID	16/8	KA			14/10/11
6	MCB SETTING CHANGED FROM SET TO COMPONENT P.L.A.Y.	19/11	SP			24/09/12

DESCRIPTION	DATE
CONDENSATE PUMP/CONTROL BOX	07/20/07
CONDENSATE PUMP/CONTROL BOX (IF FITTED)	
PUMP FLYING LEAD	
SUMP HEATER	
COMPRESSOR	
FAN	

colorex
 CALOREX HEAT PUMPS LTD
 U.C.C.

WIRING DIAGRAM
 DH300BL(F)

DRG No. D537850

SCALE
 N.T.S

DATE
 07/20/07

APPROVED
 P.J.

DRAWN
 P.J.

CONT.
 1 / 7

SHT NO.
 1

TITLE
 WIRING DIAGRAM

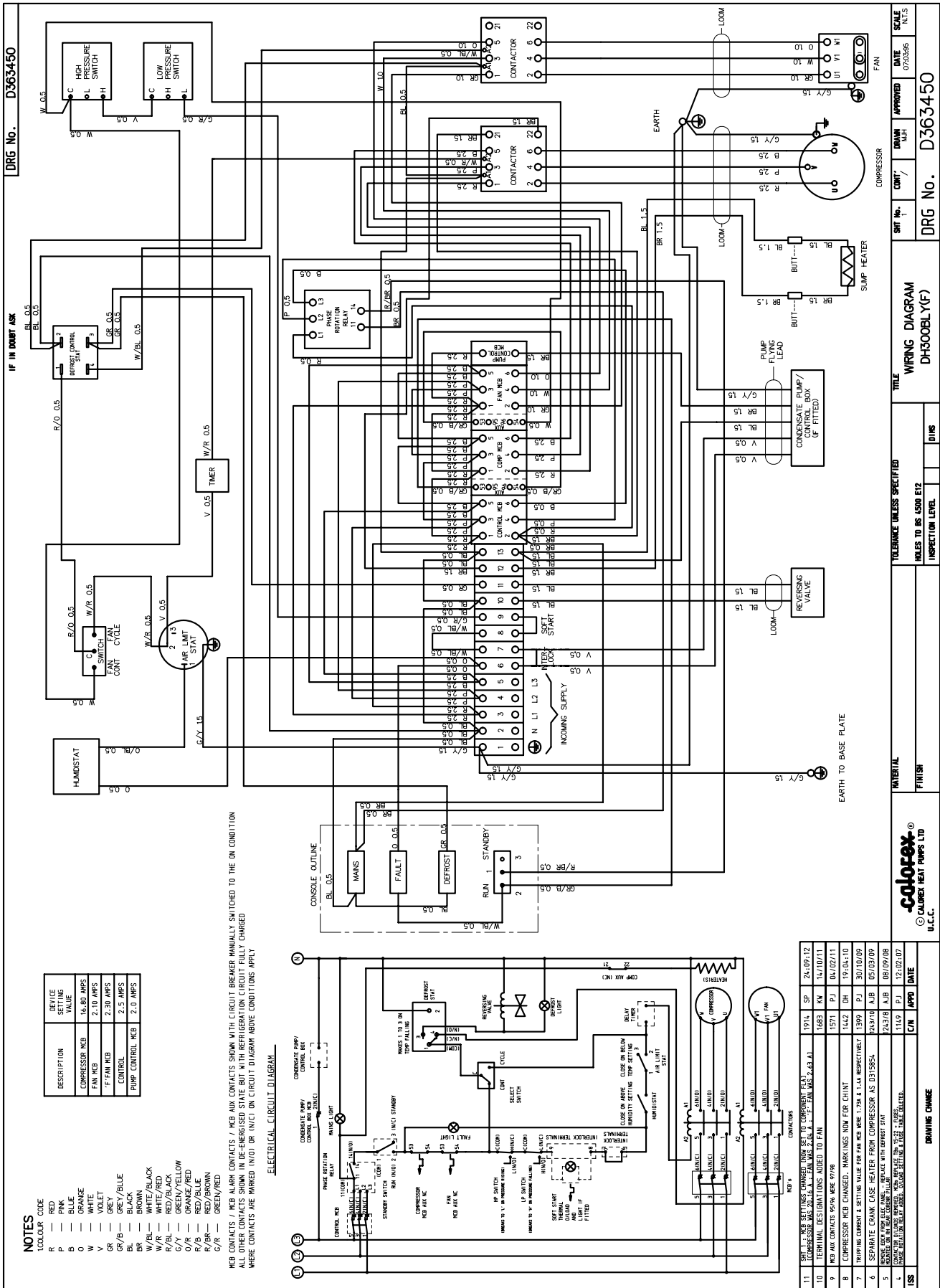
YOLDRANCE UNLESS SPECIFIED

FINISH
 UNPAINTED

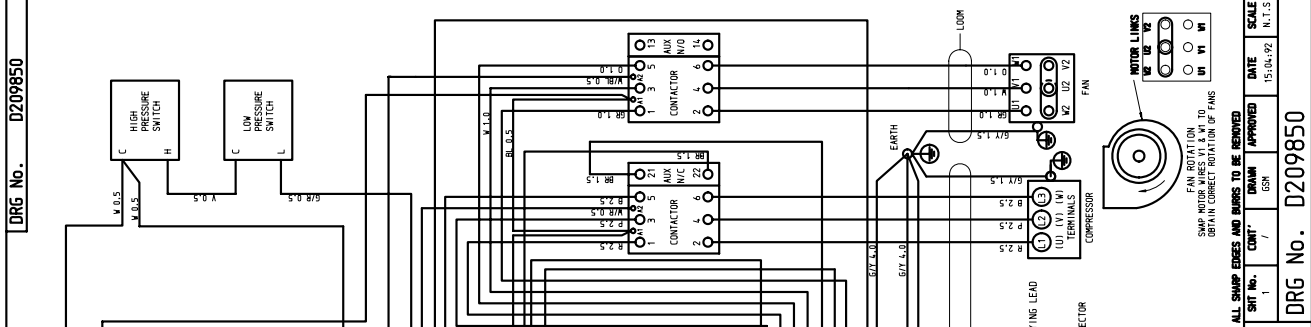
INSPECTION LEVEL
 TO BS 5301 E12

DIMS

DRAWING CHANGE



SCALE	DATE	APPROVED	DRWING	CONT	SHT No.	WIRING DIAGRAM	TITLE	TOLERANCE UNLESS SPECIFIED	INSPECTION LEVEL	FINISH	MATERIAL
1:1	07/03/85					DH300BLY(F)	WIRING DIAGRAM	UNLESS SPECIFIED	UNLESS SPECIFIED	FINISH	UNLESS SPECIFIED
1:1						D363450	DRG No.				



IF IN DOUBT ASK

30° ANGLE PROJECTION

ALL SHARP EDGES AND BURS TO BE REMOVED

DATE 15.04.92

SCALE N.T.S

DRG No. D209850

DESCRIPTION	DEVICE TRIPPING CURRENT	DEVICE SETTING VALUE
COMPRESSOR MCB	28.37 AMPS	23 AMPS
FAN MCB	3.36 AMPS	2.8 AMPS
F FAN MCB	3.62 AMPS	3.0 AMPS
CONTROL MCB	3.0 AMPS	2.5 AMPS
PUMP CONTROL MCB	N/A	2.0 AMPS

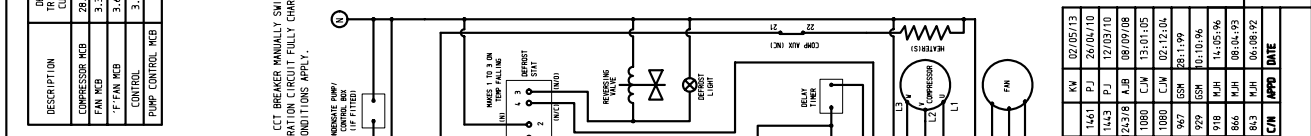
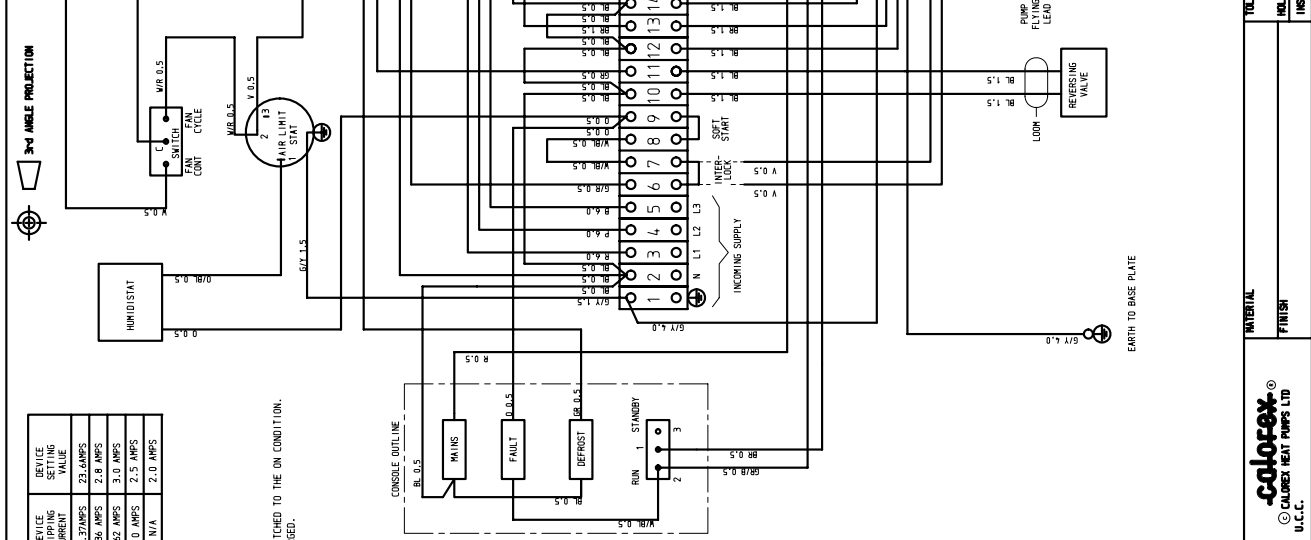
DO NOT SCALE PRINT

1. COLOUR CODE
 R — RED
 BL — BLACK
 P — PINK
 BR — BROWN
 B — BLUE
 W/R — WHITE/BLACK
 O — ORANGE
 W — WHITE/RED
 G/Y — GREEN/YELLOW
 V — VIOLET
 G/R — GREEN/RED
 GR/B — GREY/BLUE
 P/B — RED/BLUE

1.0 = 1.0mm² CONDUCTOR SIZE ETC.

ELECTRICAL CIRCUIT DIAGRAM

MCB CONTACTS / MCB ALARM CONTACTS / MCB AUX CONTACTS SHOWN WITH CCT BREAKER MANUALLY SWITCHED TO THE ON CONDITION. ALL OTHER CONTACTS SHOWN IN DE-ENERGISED STATE BUT WITH REFRIGERATION CIRCUIT FULLY OPERATIONAL. WHERE CONTACTS ARE MARKED (N/O) OR (N/C) ON CCT DIAGRAM ABOVE CONDITIONS APPLY.



REV	DATE	DESCRIPTION
1	02/07/13	REVISED
2	14/01/14	REVISED
3	12/03/10	REVISED
4	08/09/08	REVISED
5	13/01/05	REVISED
6	02/12/04	REVISED
7	28/11/99	REVISED
8	10/10/96	REVISED
9	14/05/96	REVISED
10	08/04/93	REVISED
11	06/08/92	REVISED

ISS	DATE	DESCRIPTION
1	02/07/13	REVISED
2	14/01/14	REVISED
3	12/03/10	REVISED
4	08/09/08	REVISED
5	13/01/05	REVISED
6	02/12/04	REVISED
7	28/11/99	REVISED
8	10/10/96	REVISED
9	14/05/96	REVISED
10	08/04/93	REVISED
11	06/08/92	REVISED

WIRING DIAGRAM
 DH 600 BY(F)

TOLERANCE UNLESS SPECIFIED
 HOLES TO BS 4500 ETC

INSPECTION LEVEL

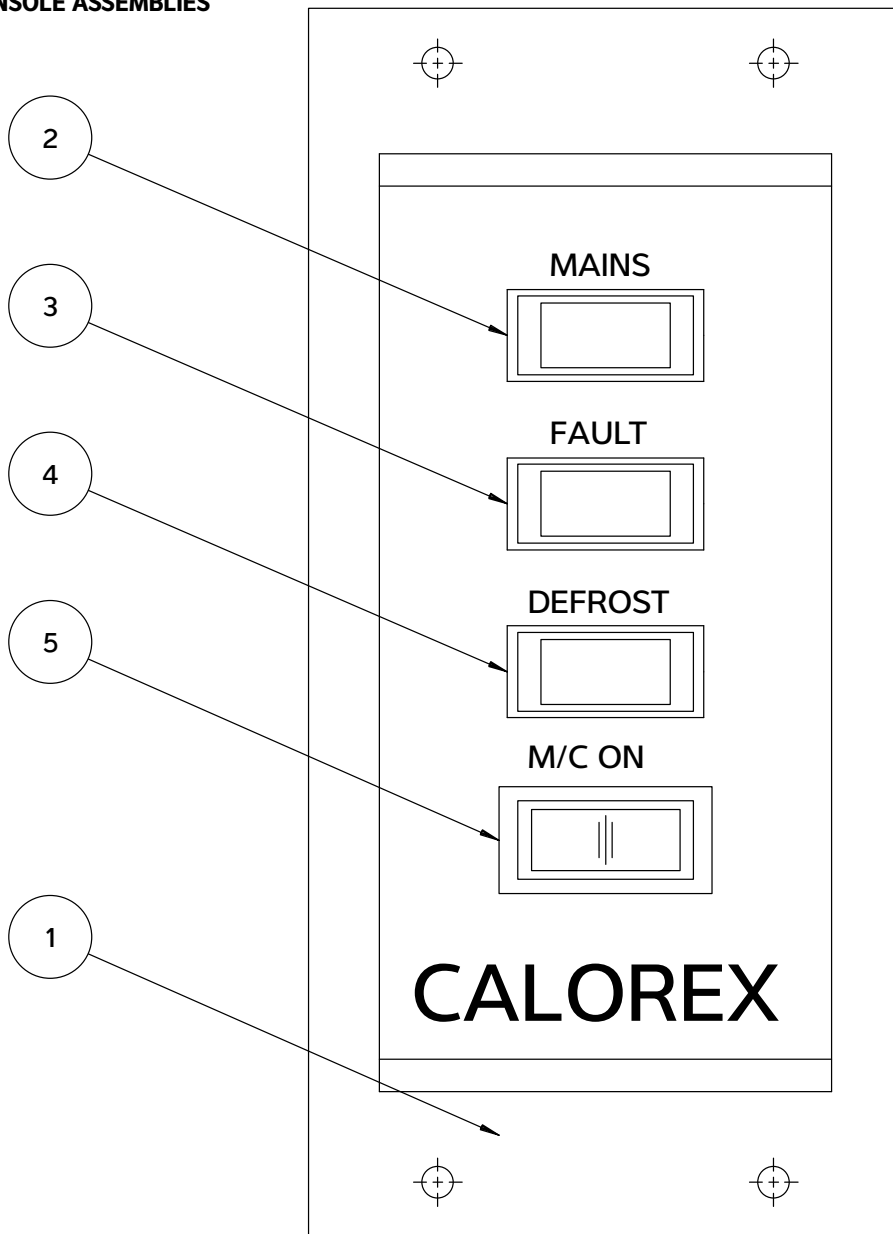
FINISH

MATERIAL

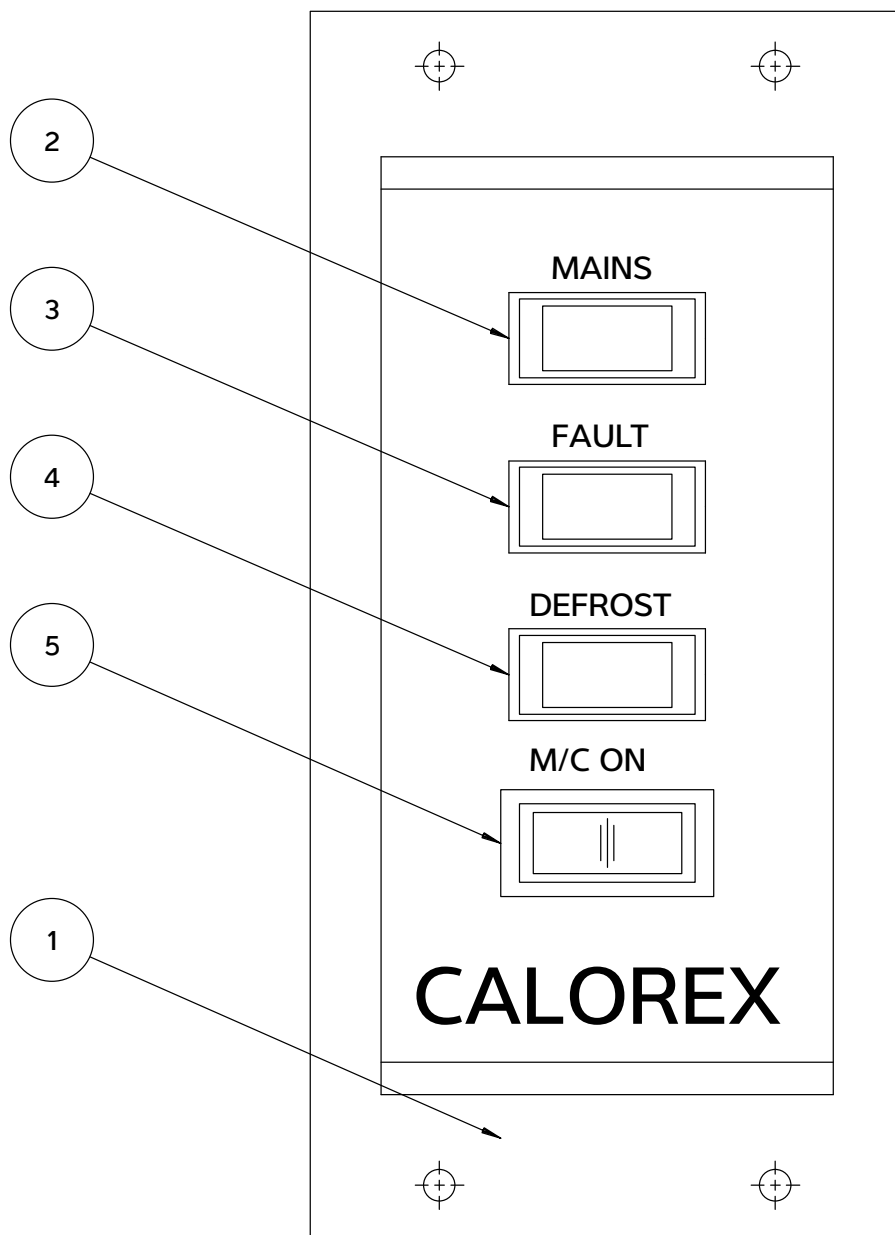
CAUREX[®]
 CAUREX HEAT PUMPS LTD
 U.K.C.

17.0 SPARE PARTS

17.1 CONSOLE ASSEMBLIES



CONSOLE ASSY DH150				
ITEM No	PART No	DESCRIPTION	QTY	UNITS
1	SD041759	CONSOLE MOULDING	1	off
2	SD023050	PILOT LIGHT RED RECTANGULAR 250V	1	off
3	SD023051	PILOT LIGHT AMBER RECTANGULAR	1	off
4	SD023052	PILOT LIGHT WHITE RECTANGULAR	1	off
5	SD084850	ROCKER SWITCH ILLUMINATED RED	1	off

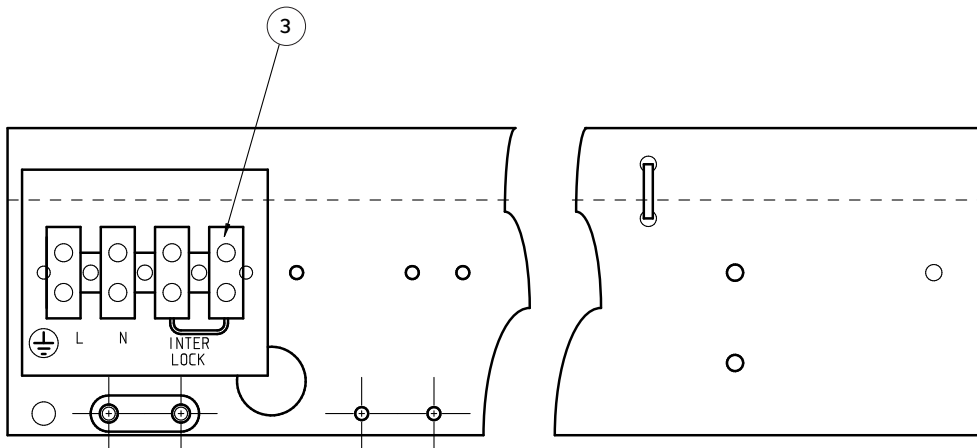


CONSOLE ASSY DH300/DH600				
ITEM No	PART No	DESCRIPTION	QTY	UNITS
1	SD041753	CONSOLE MOULDING	1	off
2	SD023050	PILOT LIGHT RED RECTANGULAR 250V	1	off
3	SD023051	PILOT LIGHT AMBER RECTANGULAR	1	off
4	SD023052	PILOT LIGHT WHITE RECTANGULAR	1	off
5	SD188950	ROCKER SWITCH 1 POLE C/O	1	off

17.2 SWITCH BRACKET ASSEMBLIES

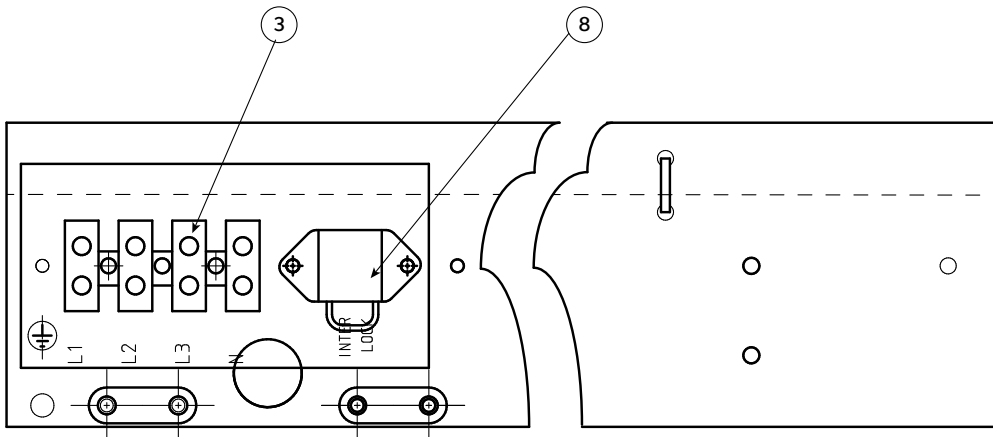
SWITCH BRACKET ASSEMBLY, SINGLE PHASE

SA025316				
ITEM	PART NO	DESCRIPTION	QUANT	UNITS
3	SD705851	TERMINAL BLOCK 4 WAY 57A	1	off



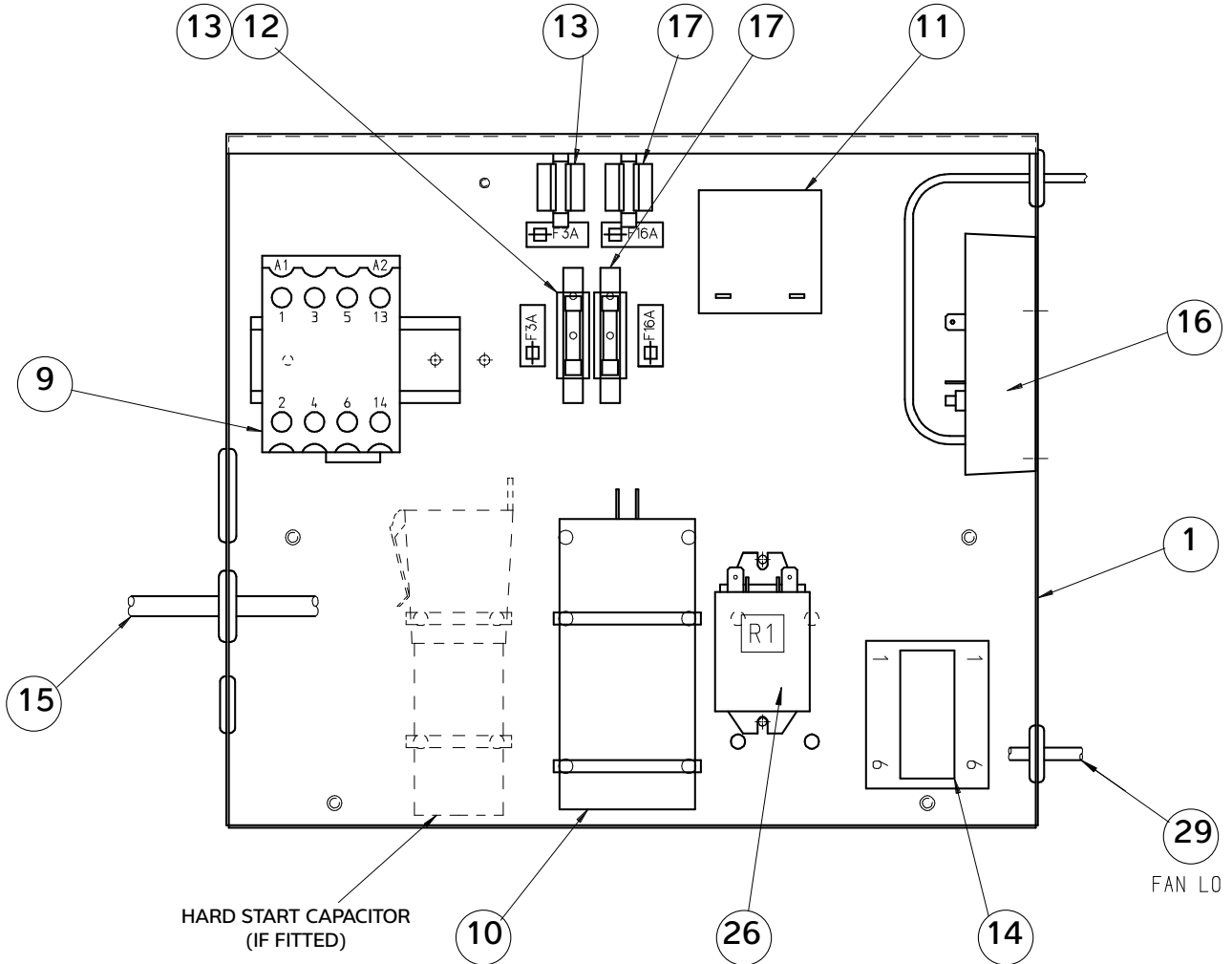
SWITCH BRACKET ASSEMBLY, THREE PHASE

SA025318				
ITEM	PART NO	DESCRIPTION	QUANT	UNITS
3	SD705851	TERMINAL BLOCK 4 WAY 57A	1	off
8	SD025550	TERMINAL BLOCK 2 WAY MELAMINE	1	off



17.3 ELECTRIC BOX ASSEMBLIES

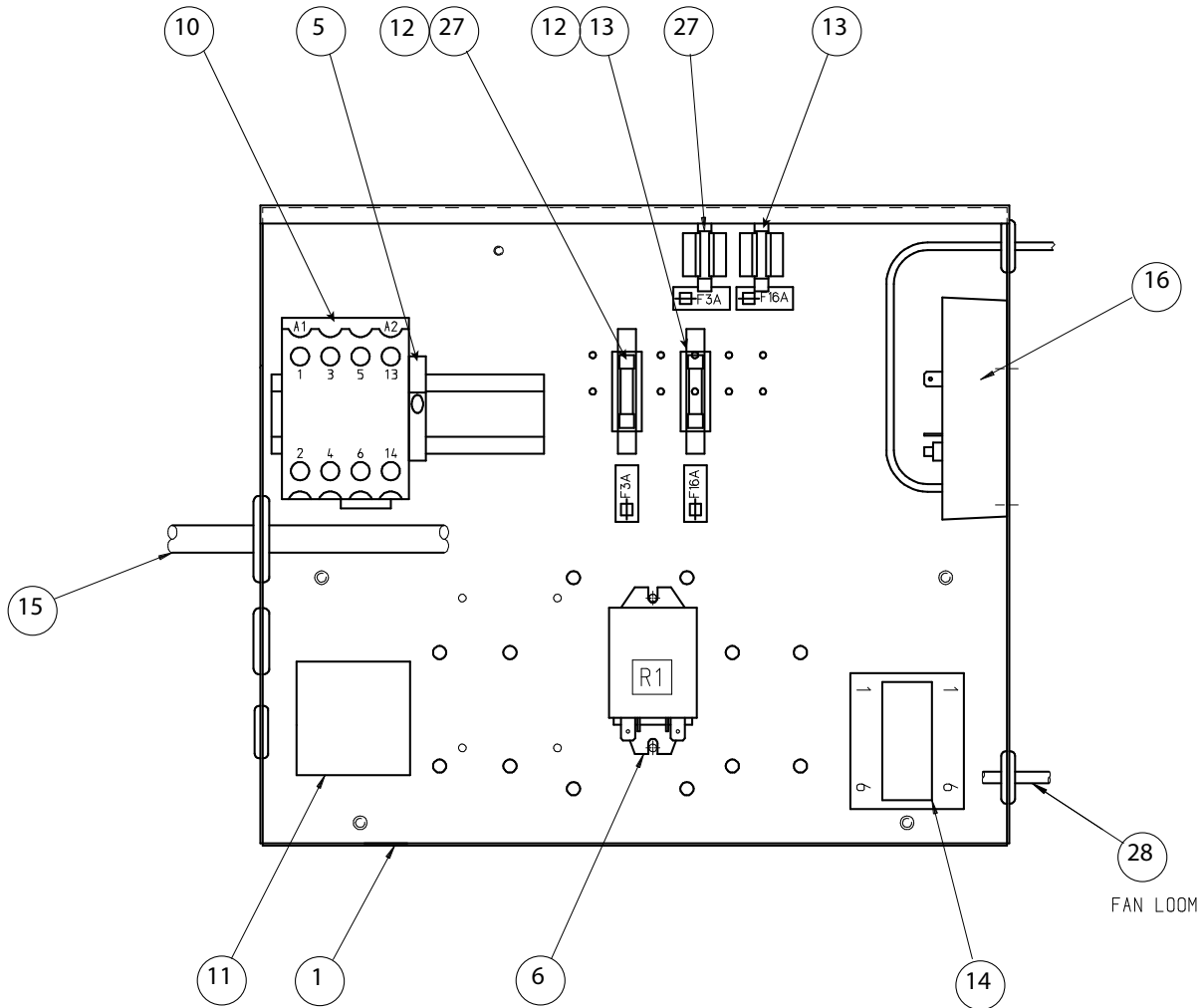
ELECTRIC BOX ASSY DH150AX (230V ~1N 50HZ)



ASSY No SA205601 AT ISS 16 (09/03/2016). ELEC BOX ASSY DH150AX

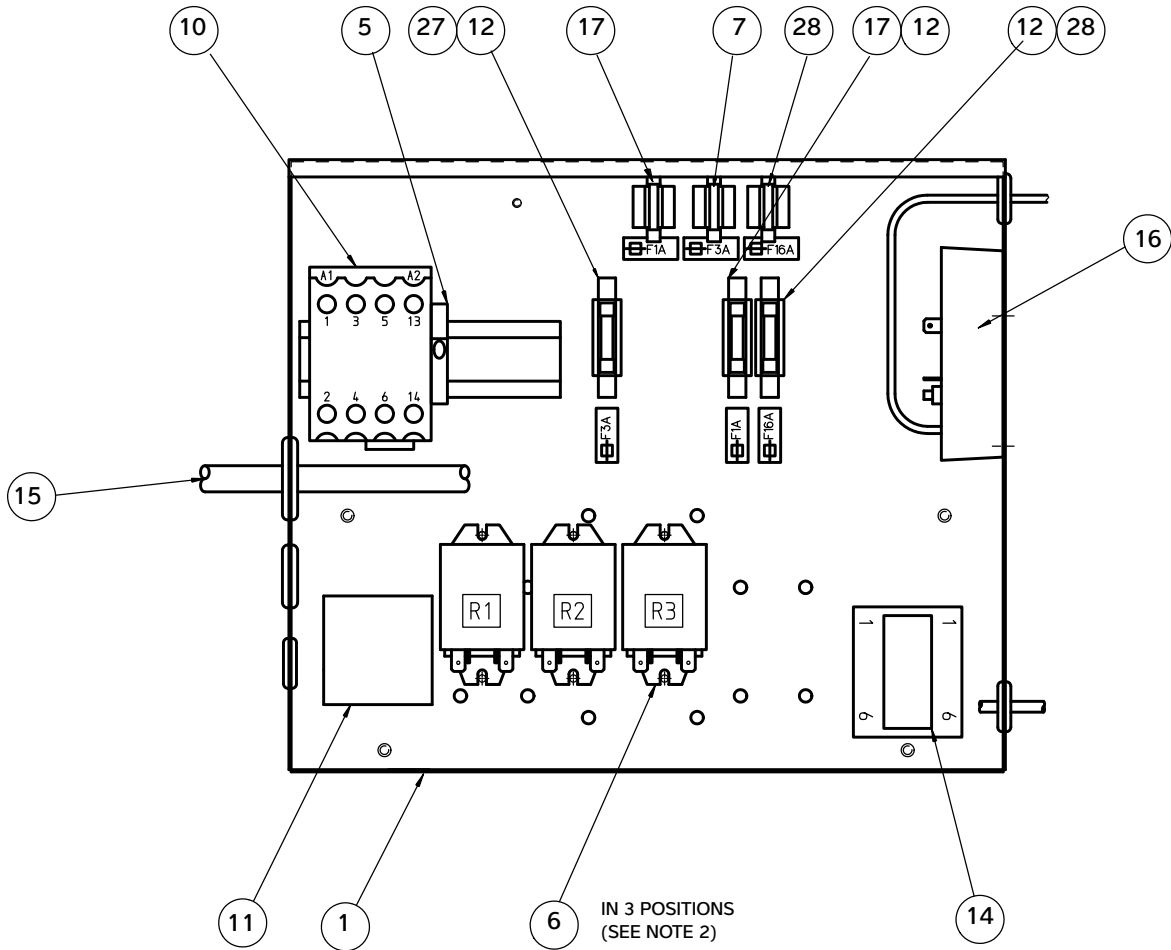
ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
1	SD062001	ELEC BOX STEEL PLATED	1	off
9	SD612053	CONTACTOR 25A 3+1N/O AUX	1	off
10	SD486650	CAPACITOR FOR COMP 60µF 470V	1	off
11	SD089550	DELAY TIMER 7 SEC TO 9 MIN	1	off
12	SD216550	FUSE HOLDER	2	off
13	SD035353	FUSE 3A	2	off
14	SD072650	TERMINAL BLOCK 6 WAY	1	off
15	SA205702	LOOM ASSY	1	off
16	SA145801	ELECTRONIC DEFROST STAT	1	off
17	SD035355	FUSE 16A	2	off
26	SD189550	RELAY C/O 2 POLE 16A 230V AC COIL	1	off
29	A461005	FAN LOOM ASSY	1	off
	SD073150	HARD START CAPACITOR (IF FITTED)	1	off

ELECTRIC BOX ASSY DH150BX (400V ~3N 50HZ)



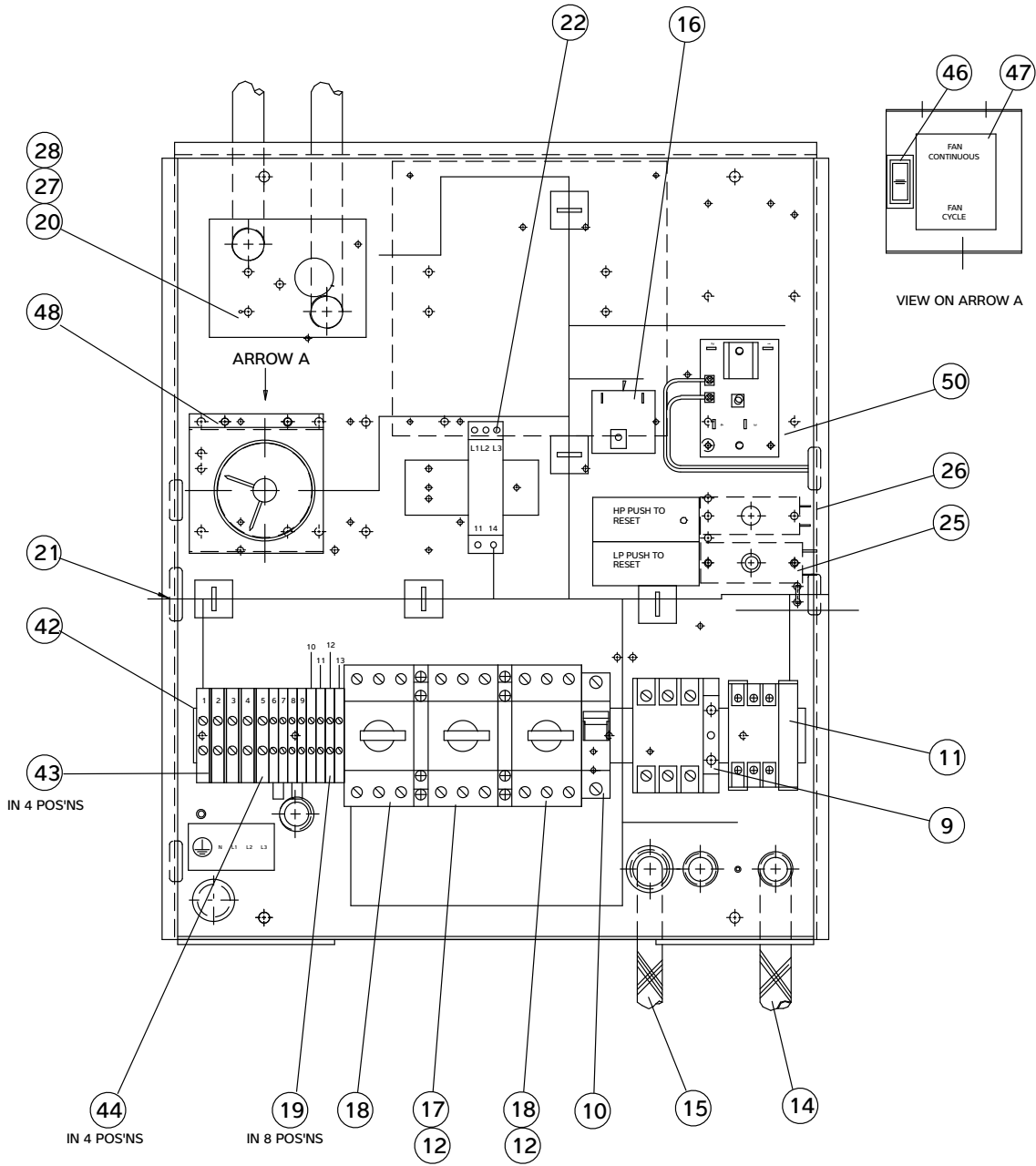
ASSY No SA208201 AT ISS 15 (09/03/2016). ELEC BOX ASSY DH150BX				
ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
1	SD062001	ELEC BOX STEEL PLATED	1	off
5	SD403950	END BRACKET (EW35) 8.5mm	1	off
6	SD189550	RELAY C/O 2 POLE 16A 230vac COIL	1	off
10	SD612050	CONTACTOR 9A 3+1 N/O AUX	1	off
11	SD089550	DELAY TIMER 7 SEC TO 9 MIN	1	off
12	SD216550	FUSE HOLDER	2	off
13	SD035355	16A FUSE	2	off
14	SD072650	TERMINAL BLOCK 6 WAY	1	off
15	SA205802	LOOM ASSY	1	off
16	SA145801	ELECTRONIC DEFROST STAT	1	off
27	SD035350	FUSE 3A	2	off
28	A461005	FAN LOOM ASSY	1	off

ELECTRIC BOX ASSY DH150BX (WHEELS AND HANDLES) (400V ~3N 50HZ)



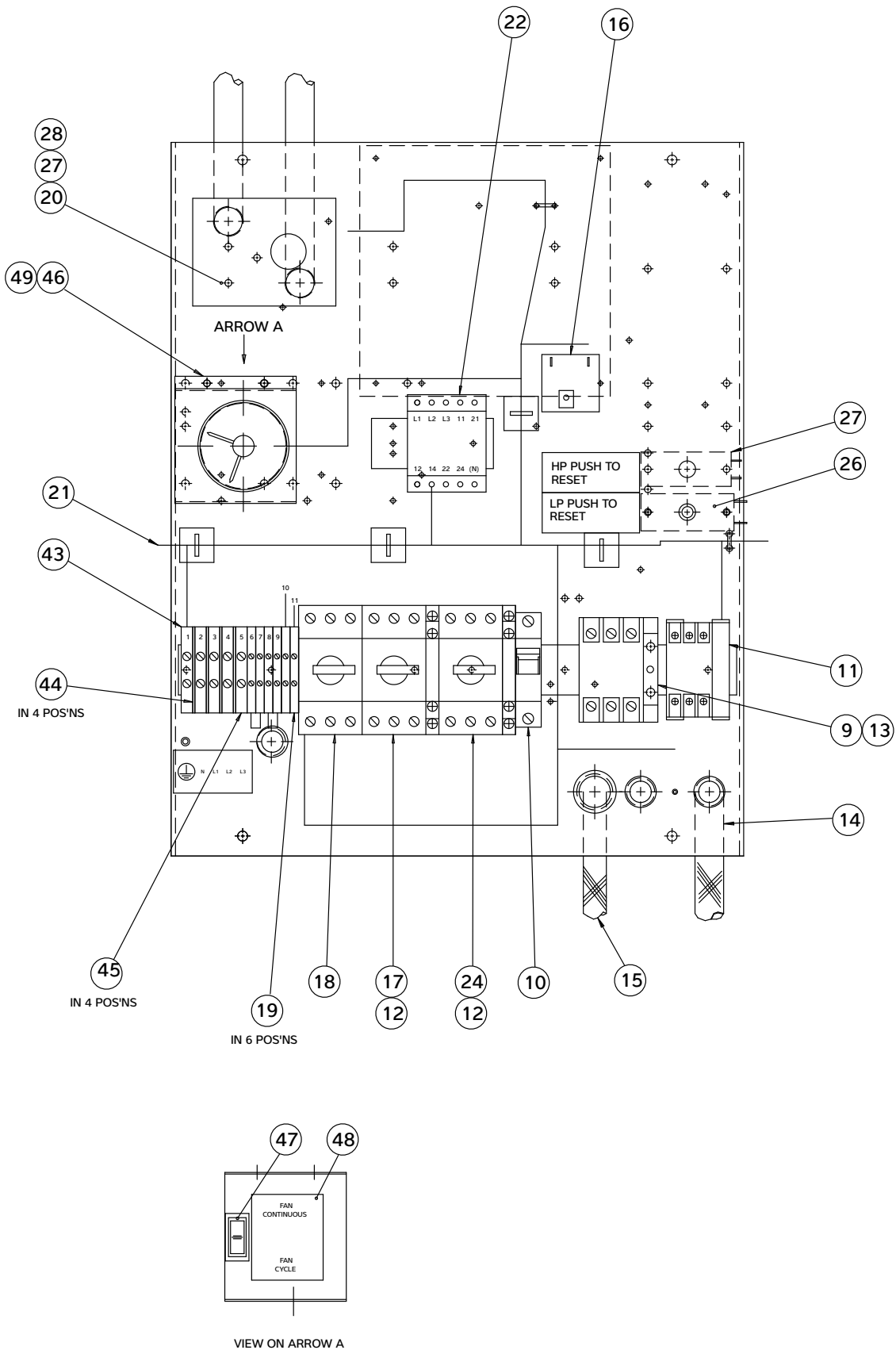
SA582501 AT ISS 10 (19/04/2017). ELECTRIC BOX ASSY DH150BX (WHEELS AND HANDLES)				
ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
1	SD062001	ELEC BOX STEEL PLATED	1	off
5	SD403950	END BRACKET (EW35) 8.5mm	1	off
6	SD189550	RELAY C/O 2 POLE 16A 230vac COIL	3	off
10	SD612050	CONTACTOR 9A 3+1 N/O AUX	1	off
11	SD089550	DELAY TIMER 7 SEC TO 9 MIN	1	off
12	SD216550	FUSE HOLDER	3	off
14	SD072650	TERMINAL BLOCK 6 WAY	1	off
15	SA582602	LOOM ASSY	1	off
16	SA145801	ELECTRONIC DEFROST STAT	1	off
17	SD035353	FUSE 1/4 x 1 1/4 1A	2	off
27	SD035350	FUSE 3A	2	off
28	SD035355	16A FUSE	2	off
30	A461005	FAN LOOM ASSY	1	off

ELECTRIC BOX ASSY DH300BLY(F) (400V ~3N 50HZ)



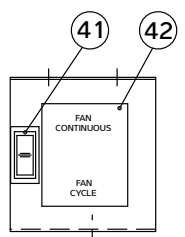
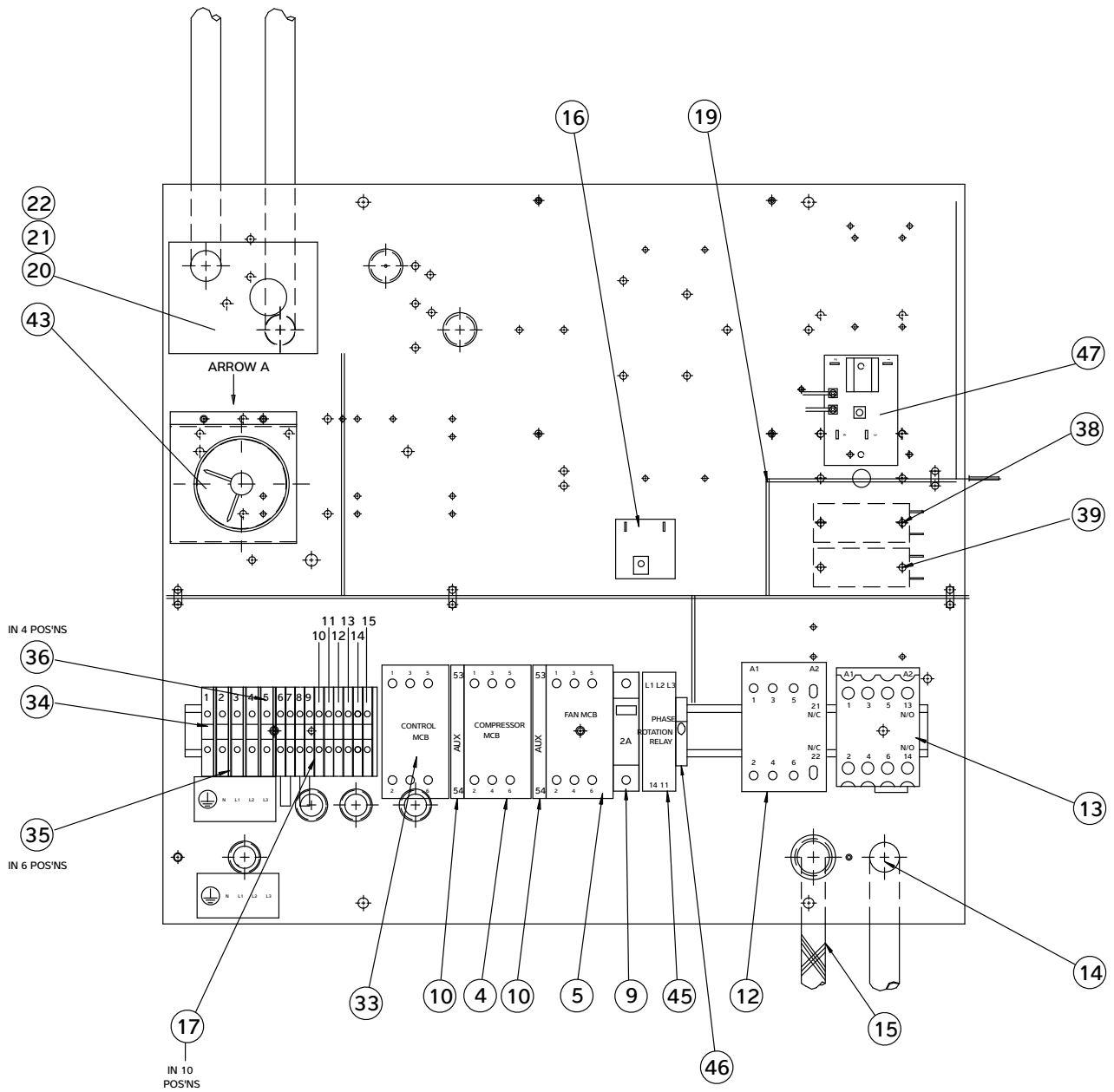
ASSY No SA366601 AT ISS 15 (14/11/2012). ELECTRIC BOX ASSY DH300 BLY				
ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
9	SD611353	CONTACTOR 25A 3+1N/C AUX	1	off
10	SD316550	MCB 2A 1 POLE	1	off
11	SD611350	CONTACTOR 9A 3P+1N/C Aux	1	off
12	SD611650	ALARM (N/C) + AUX (N/O) CONTACT BLK	2	off
14	SA368401	LOOM ASSY FAN	1	off
15	SA368301	LOOM ASSY COMP	1	off
16	SD089550	DELAY TIMER 7 SEC TO 9 MIN	1	off
17	SD611555	MOTOR STARTER O/LOAD 13-18A 3PH	1	off
18	SD611550	MOTOR STARTER O/LOAD 1.6-2.5A	2	off
19	SD403750	TERMINAL BLOCK WDU4	8	off
20	SD080650	COMPONENT BOX	1	off
21	SA368201	LOOM ASSY INTERNAL	1	off
22	SD614450	PHASE PROTECTION RELAY	1	off
25	SD384550	LP SWITCH MANUAL RESET	1	off
26	SA062553	HP SWITCH 400psi	1	off
27	SA062301	HUMIDISTAT	1	off
28	SD041450	CONTROL KNOB	1	off
42	SD403550	TERM BLOCK EARTH (WPE6)	1	off
43	SD403850	TERMINAL BLOCK BARRIER WAP 2.5	4	off
44	SD403650	TERM BLOCK WDU6	4	off
46	SD188950	ROCKER SWITCH 1 POLE C/O	1	off
47	SD189050	LABEL ROCKER SWITCH	1	off
48	SD023150	POOL THERMOSTAT 0-60	1	off
50	SA095453	THERMOSTAT PRESET (DEFROST)	1	off
ASSY No SA366611 AT ISS 15 (14/11/2012). ELECTRIC BOX ASSY DH300 BLYF				
		SPARES AS ABOVE		

ELECTRIC BOX ASSY DH300BL(F) (400V ~3N 50HZ)



ASSY No SA366603 AT ISS 5 (14/11/2012). ELECTRIC BOX ASSY DH300BL				
ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
9	SD611353	CONTACTOR 25A 3+1N/C AUX	1	off
10	SD316550	CIRCUIT BREAKER MINIATURE 2A	1	off
11	SD611350	CONTACTOR 9A 3P+1N/C Aux	1	off
12	SD611650	CONTACT BLK ALARM (N/O)+AUX (N/O)	2	off
14	SA368401	LOOM ASSY FAN	1	off
15	SA368301	LOOM ASSY COMP	1	off
16	SD089550	DELAY TIMER 7 SEC TO 9 MIN	1	off
17	SD611555	MOTOR STARTER O/LOAD 13-18A 3PH	1	off
18	SD611550	MOTOR STARTER O/LOAD 1.6-2.5A	2	off
19	SD403750	TERMINAL BLOCK WDU4	6	off
20	SD080650	COMPONENT BOX	1	off
21	SA368203	LOOM ASSY INTERNAL	1	off
22	SD614450	PHASE PROTECTION RELAY	1	off
25	SD384550	LP SWITCH MANUAL RESET	1	off
26	SA062553	HP SWITCH 400psi	1	off
27	SA062301	HUMIDISTAT	1	off
28	SD041450	CONTROL KNOB	1	off
42	SD403550	TERM EARTH WPE6 8mm	1	off
43	SD403850	TERMINAL BLOCK BARRIER WAP 2.5	4	off
44	SD403650	TERM BLOCK WDU6	4	off
46	SD188950	ROCKER SWITCH 1 POLE C/O	1	off
47	SD189050	LABEL ROCKER SWITCH	1	off
48	SD023150	POOL THERMOSTAT 0-60	1	off
ASSY No SA366613 AT ISS 5 14/11/2012). ELECTRIC BOX ASSY DH300 BLF				
SPARE PARTS AS ABOVE				

ELECTRIC BOX ASSY DH600BY/BYF (400V ~3N 50HZ)

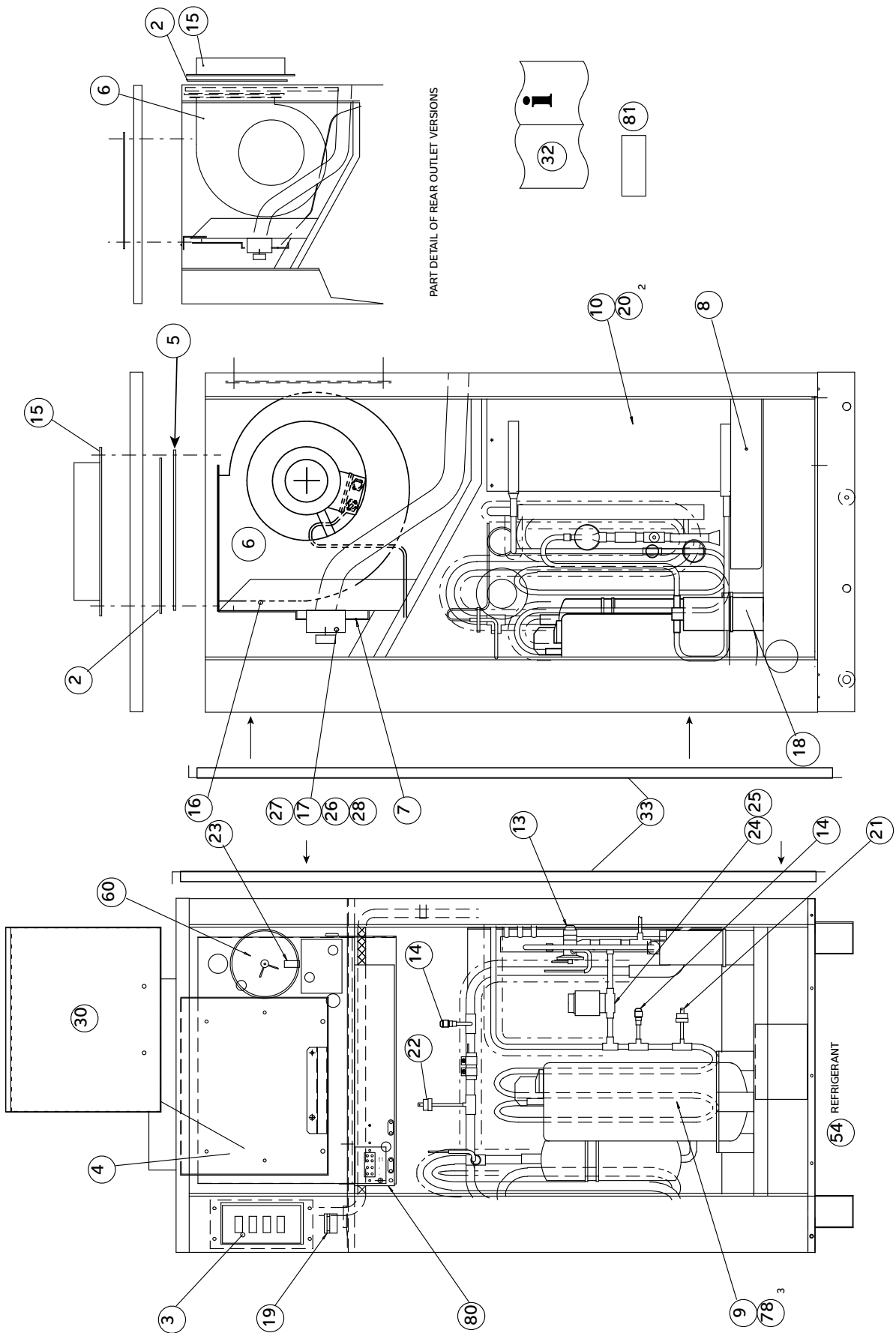


VIEW ON ARROW A
DRAWN 1:1

SA209901 ELECTRIC BOX ASSY DH600BY/BYF				
ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
4	SD611559	MOTOR STARTER O/LOAD 20.0-25.0A 3P	1	off
5	SD611551	MOTOR STARTER O/LOAD 2.5-4.0A 3P	1	off
9	SD316550	CIRCUIT BREAKER MINIATURE 2A	1	off
10	SD611650	ALARM (N/O) + AUX (N/O) CONTACT BLK	2	off
12	SD611354	CONTACTOR 32A 3+1N/C AUX	1	off
13	SD612050	CONTACTOR 9A 3+1 N/O AUX	1	off
14	SA079801	LOOM ASSY (FAN)	1	off
15	SA079907	LOOM ASSY SCROLL COMP	1	off
16	SD089550	DELAY TIMER 7 SEC TO 9 MIN	1	off
17	SD403750	TERMINAL BLOCK WDU4	10	off
19	SA210301	LOOM ASSY INTERNAL	1	off
20	SD080650	COMPONENT BOX ABS DRILLED	1	off
21	SA062301	HUMIDISTAT	1	off
22	SD041450	CONTROL KNOB	1	off
33	SD611550	MOTOR STARTER O/LOAD 1.6-2.5A	1	off
34	SD403550	TERM EARTH WPE6 8mm	1	off
35	SD403850	TERMINAL BLOCK BARRIER WAP 2.5	5	off
36	SD403650	TERM BLOCK WDU6	4	off
38	SA062553	HP SWITCH 400psi	1	off
39	SD062650	LOW PRESSURE LTB-X325	1	off
41	SD188950	ROCKER SWITCH 1 POLE C/O	1	off
42	SD189050	LABEL ROCKER SWITCH	1	off
43	SD023150	THERMOSTAT 0-60	1	off
45	SD614450	PHASE PROTECTION RELAY	1	off
46	SD403950	END BRACKET EW35 (8.5)	1	off
47	SA095453	THERMOSTAT PRESET (DEFROST)	1	off

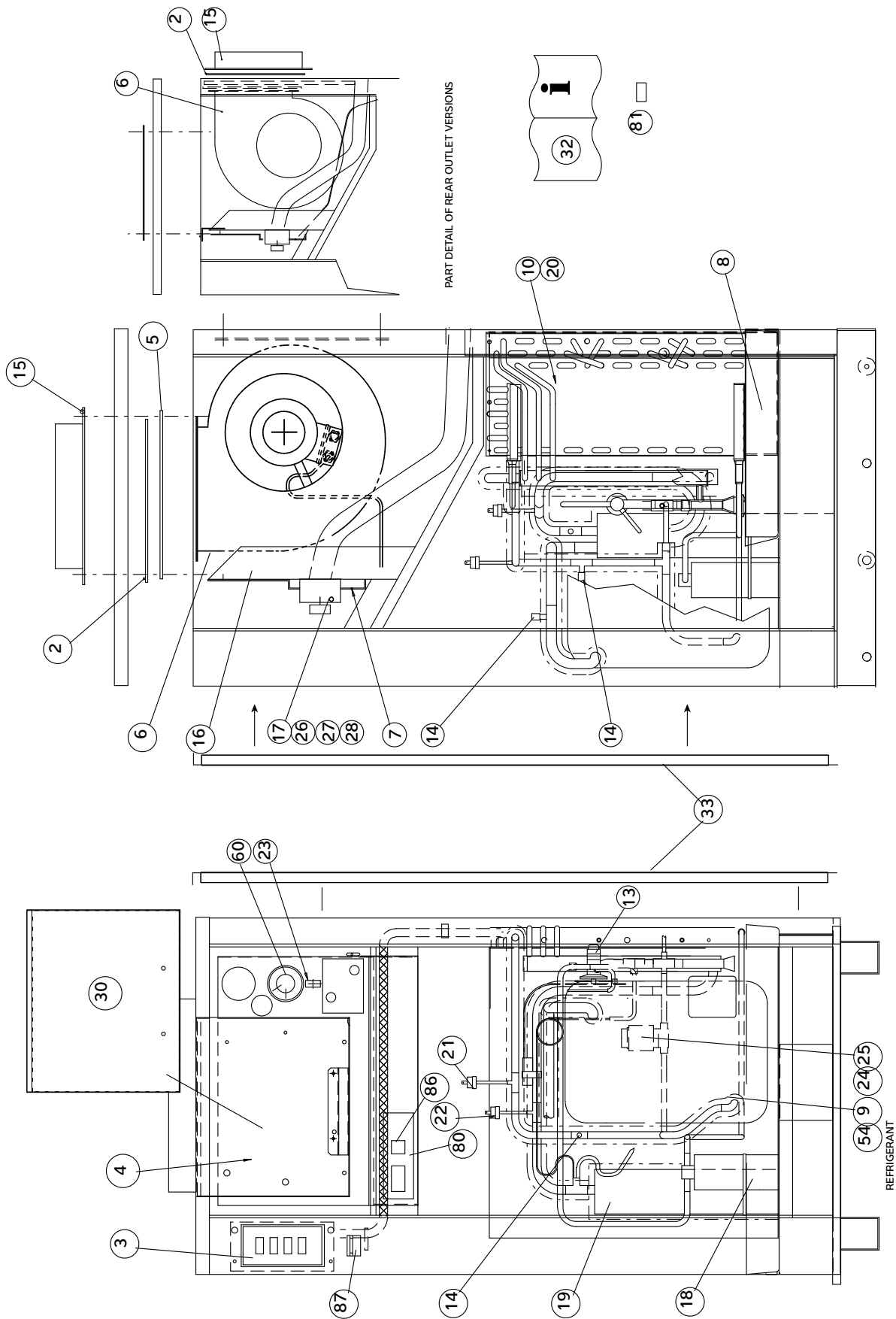
17.4 MAIN ASSEMBLIES

MAIN ASSEMBLY DH150AX



ASSY No A505201 AT ISS 35 (18/08/2015). MAIN ASSY DH150AX TOP/REAR OUTLET				
ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
2	SD071750	OUTLET GRILLE	1	off
3	SA205501	CONSOLE ASSY	1	off
4	SA205601	ELEC BOX ASSY	1	off
5	SD127850	FAN ADAPTOR PLATE	1	off
6	SD127109	FAN ASSEMBLY	1	off
7	SD117950	BRACKET	1	off
8	SD287601	DRIP TRAY	1	off
9	SD649450	COMPRESSOR CTHU33WC6-U	1	off
10	SD141553	EVAPORATOR	1	off
13	SD086951	TEV BBINE-3-GA-B10	1	off
14	SP066350	SCHRADER VALVE	2	off
15	SD071650	DUCT FLANGE	1	off
16	SD086350	SUPPORT BKT	1	off
17	SD080650	COMPONENT BOX ABS DRILLED	1	off
18	SD149650	RECEIVER/DRIER	1	off
19	SD156351	HOURS RUN METER (PANEL MOUNT)	1	off
20	SD097250	EVAP SPACER	2	off
21	SD266450	HP SWITCH ACB-DB88 400PSI	1	off
22	SD266550	LP SWITCH LCB-DA15 7 PSI	1	off
23	SD188950	ROCKER SWITCH 1 POLE C/O	1	off
24	SD166250	SOLENOID VALVE 3/8	1	off
25	SD166550	SOLENOID COIL 230V 50Hz	1	off
26	SA062301	HUMIDISTAT	1	off
27	SD041450	CONTROL KNOB	1	off
28	SP152150	M20 PLASTIC GLAND BACK NUT	1	off
30	SD062150	ELECTRIC BOX LID	1	off
32	SD208050	OWNERS MANUAL	1	off
33	SD011450	SIDE PANEL	2	off
54	SP182554	REFRIGERANT R407c	2.49	kg
60	SD023150	POOL THERMOSTAT 0-60°C	1	off
78	SD520854	SPACER MOUNTING TUBE 73mm LONG	3	off
80	SA025316	SWITCH BRACKET ASSY	1	off
81	SD193950	CONDENSATE DRAIN SOCKET	1	off

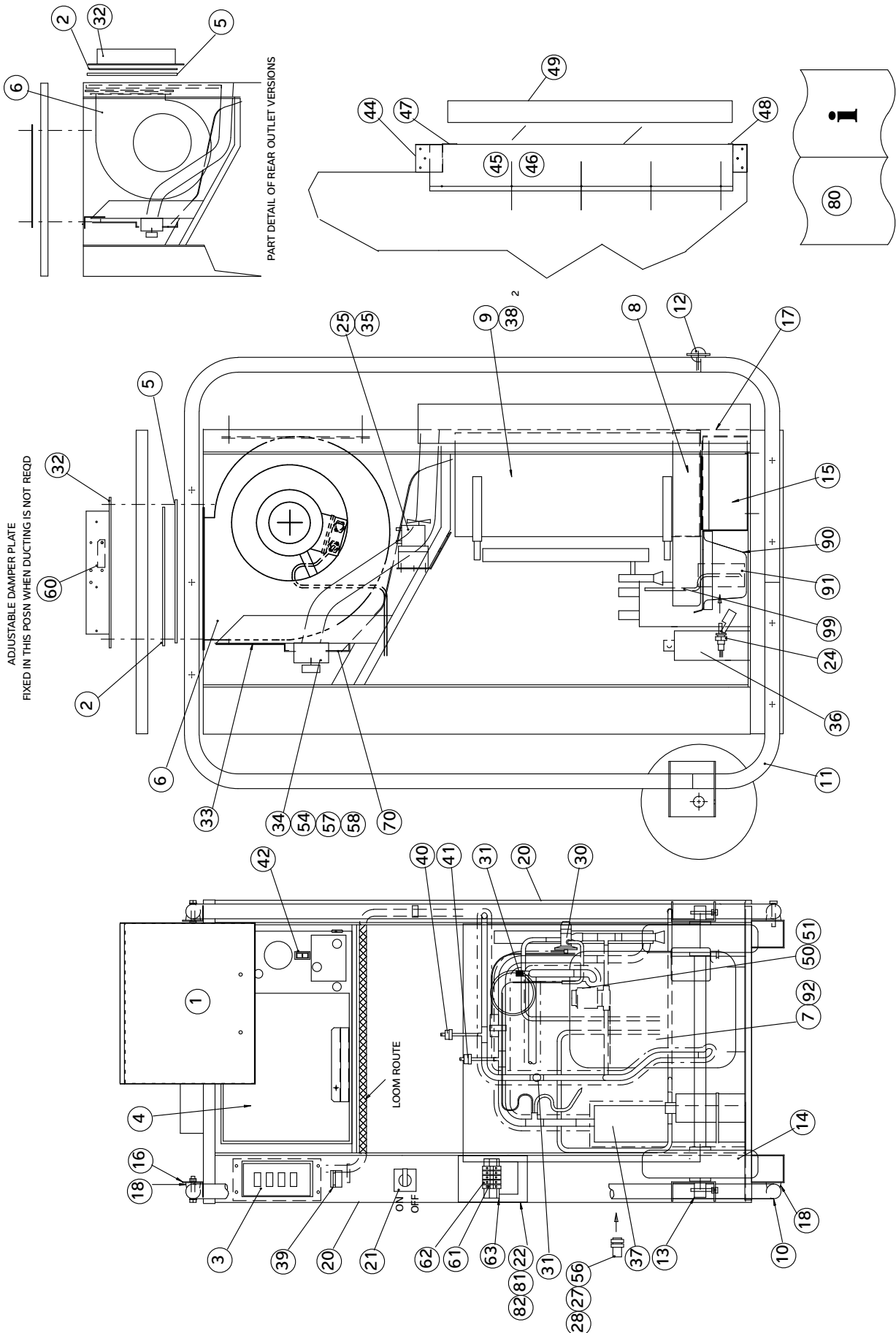
MAIN ASSEMBLY DH150BX



A503501/03 AT ISS 39. MAIN ASSY DH150BX TOP/REAR OUTLET

ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
2	SD071750	OUTLET GRILLE	1	off
3	SA205501	CONSOLE ASSY	1	off
4	SA208201	ELEC BOX ASSY	1	off
5	SD127850	FAN ADAPTOR PLATE	1	off
6	SD127109	FAN ASSEMBLY	1	off
7	SD117950	BRACKET	1	off
8	SD287601	DRIP TRAY	1	off
9	SD133055	COMPRESSOR	1	off
10	SD141553	EVAPORATOR	1	off
13	SD086951	TEV BBINE-3-GA-B10	1	off
14	SP066350	SCHRADER VALVE	2	off
15	SD071650	DUCT FLANGE	1	off
16	SD086350	SUPPORT BKT	1	off
17	SD080650	COMPONENT BOX ASSY DRILLED	1	off
18	SD149650	RECEIVER/DRIER	1	off
19	SD064750	SUCTION ACCUMULATOR	1	off
20	SD097250	EVAP SPACER	2	off
21	SD266450	HP SWITCH ACB-DB88 400PSI	1	off
22	SD266550	LP SWITCH LCB-DA15 7 PSI	1	off
23	SD188950	ROCKER SWITCH 1 POLE C/O	1	off
24	SD166250	SOLENOID VALVE 3/8	1	off
25	SD166550	SOLENOID COIL 230V 50HZ	1	off
26	SA062301	HUMIDISTAT	1	off
27	SD041450	CONTROL KNOB	1	off
28	SP152150	M20 PLASTIC GLAND BACK NUT	1	off
30	SD062150	ELECTRIC BOX LID	1	off
32	SD208050	OWNER MANUAL	1	off
33	SD011450	SIDE PANEL	2	off
54	SP182554	REFRIGERANT R407c	2.49	kg
60	SD023150	POOL THERMOSTAT 0-60°C	1	off
80	SA025318	SWITCH BRK ASSY 3 PHASE	1	off
81	SD193950	CONDENSATE DRAIN SOCKET	1	off
86	SD046550	TERMINAL BLOCK COVER 2 WAY	2	off
87	SD156351	HOURS RUN METER (PANEL MOUNT)	1	off

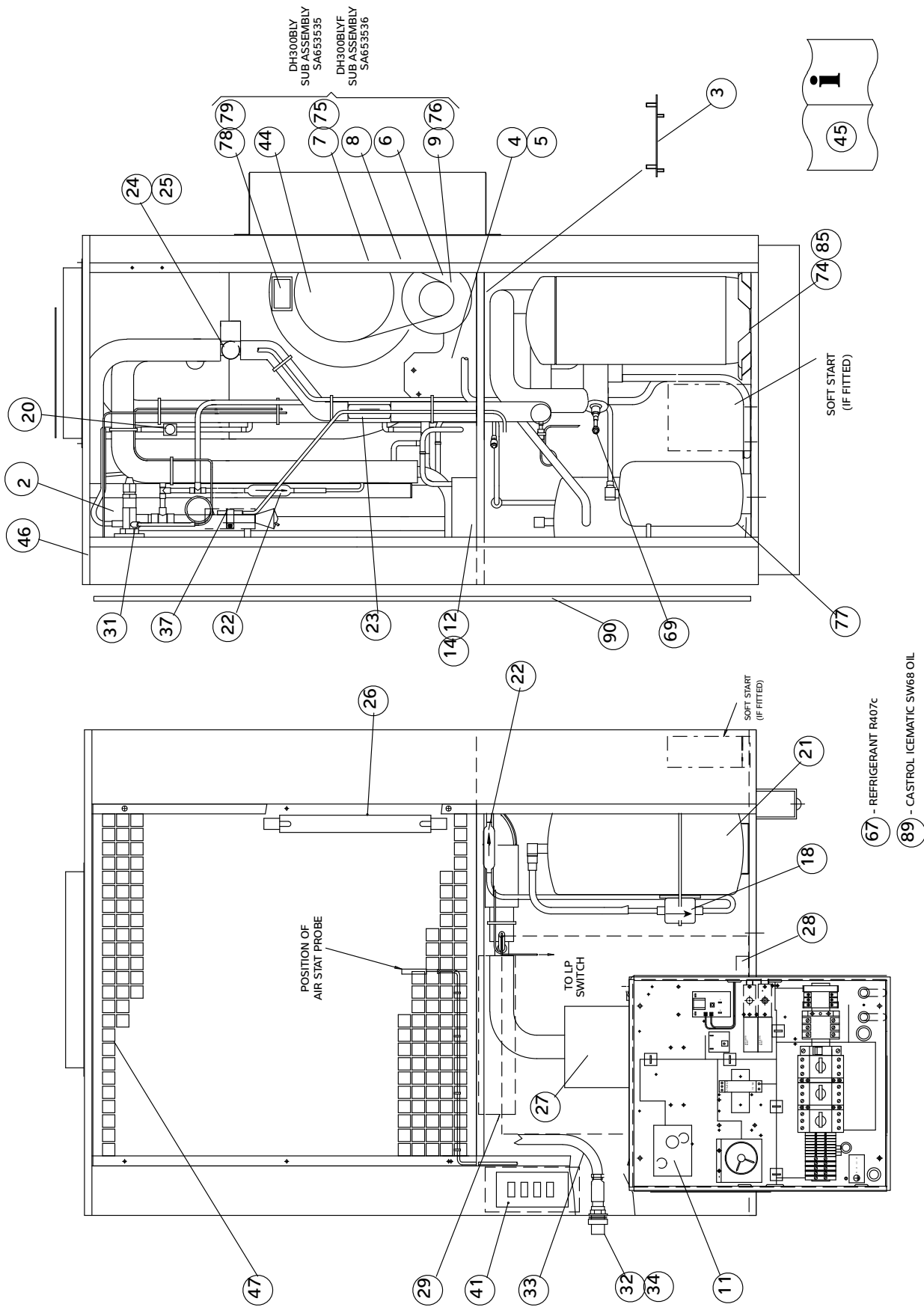
MAIN ASSEMBLY DH150BX WHEELS AND HANDLES VERSION



A582401 AT ISS 13 DH150BX MAIN ASSY WHEELS AND HANDLES				
ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
1	SD062150	ELEC BOX LID	1	off
2	SD071750	OUTLET GRILLE	1	off
3	SA205501	CONSOLE ASSY	1	off
4	SA582501	ELECTRIC BOX ASSY	1	off
5	SD127850	FAN ADAPTOR PLATE	1	off
6	SD127109	FAN ASSEMBLY	1	off
7	SD133055	COMPRESSOR	1	off
8	SD304401	DRIPTRAY	1	off
9	SD141553	EVAPORATOR	1	off
10	SD289750	FRAME (LEFT SIDE)	1	off
11	SD289751	FRAME (RIGHT HAND)	1	off
12	SD291850	CRASH BAR	1	off
13	SD289850	AXLE	1	off
14	SD292250	WHEEL	2	off
15	SD288750	SUPPORT BRACKET	2	off
16	SD290150	BRACKET	2	off
17	SD288850	BLANKING PANEL	1	off
18	SD289550	SADDLE WASHER	16	off
20	SD011450	SIDE PANEL	2	off
21	SD232150	ISOLATOR SWITCH	1	off
22	SD174151	MAINS IN BOX	1	off
24	SD294350	FLOAT SWITCH (62-00-554)	2	off
25	SD294454	PERISTALTIC PUMP 11 Ltr per Hr	1	off
27	SD294650	BULKHEAD CONNECTOR	1	off
28	SD294750	LOCKING COLLET	2	off
30	SD086951	TEV BBINE-3-GA-B10	1	off
31	SP066350	SCHRADER VALVE	2	off
32	SD071650	DUCT FLANGE	1	off
33	SD086350	SUPPORT BKT	1	off
34	SD080650	COMPONENT BOX ASSY DRILLED	1	off
35	SD300550	PUMP BRACKET	1	off
36	SD149650	RECEIVER/DRIER	1	off
37	SD064750	SUCTION ACCUMULATOR	1	off
38	SD097250	EVAP SPACER	2	off
39	SD156351	HOURS RUN METER (PANEL MOUNT)	1	off
40	SD266450	HP SWITCH ACB-DB88 400PSI	1	off
41	SD266550	LP SWITCH LCB-DA15 7 PSI	1	off
42	SD188950	ROCKER SWITCH 1 POLE C/O	1	off
44	SD085150	DUCT FLANGE TOP & BOTTOM	2	off
45	SD085250	DUCT FLANGE SIDE	1	off
46	SD085251	DUCT FLANGE SIDE	1	off
47	SD175750	FILTER BRACKET	1	off
48	SD175850	FILTER BRACKET	1	off
49	SD293250	FILTER WASHABLE	1	off
50	SD166250	SOLENOID VALVE 3/8	1	off
51	SD166550	SOLENOID COIL 230V 50HZ	1	off
54	SP152150	M20 PLASTIC GLAND BACK NUT	1	off
56	SD295250	TUBE INSERT (62-00-094)	1	off
57	SA062301	HUMIDISTAT	1	off
58	SD041450	CONTROL KNOB	1	off

A582401 AT ISS 13 DH150BX MAIN ASSY WHEELS AND HANDLES continued.				
ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
61	SD098950	TERMINAL BLOCK EARTH EK4	1	off
62	SD099050	TERMINAL BLOCK SAK6N	4	off
63	SD120550	DIN RAIL	1	off
70	SD117950	BRACKET	1	off
80	SD208052	OWNER MANUAL	1	off
81	SD188550	M25 BUSH	1	off
82	SD188450	LOCKNUT M25	1	off
90	SD304501	SUMP	1	off
91	SD306050	WATER FILTER	1	off
92	SP182554	REFRIGERANT R407c	2.49	kg
99	SD295550	SUMP TUBE	1	off

MAIN ASSEMBLY DH300BLY/BLYF

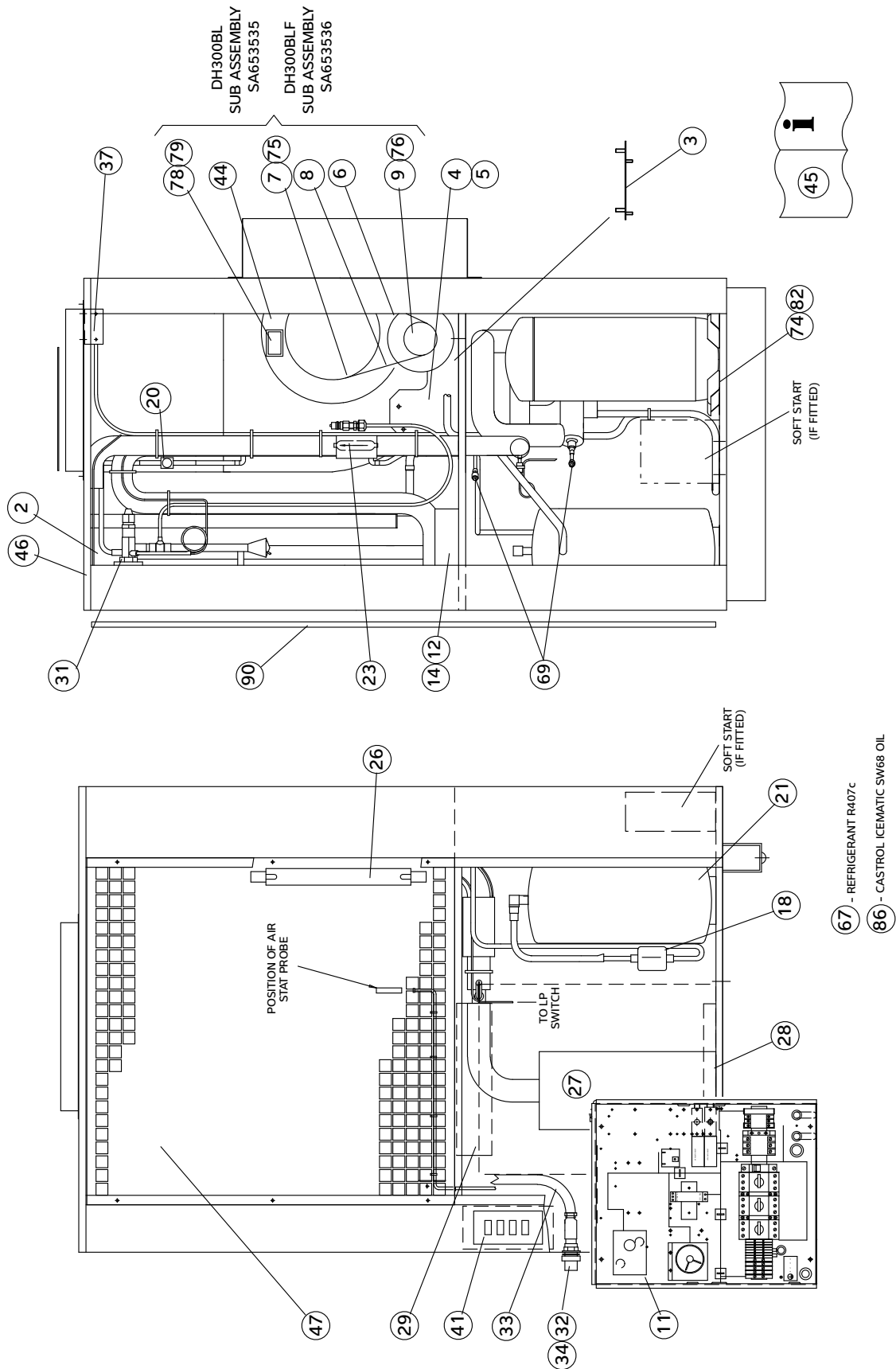


A363301 MAIN ASSEMBLY DH300BLY TOP OUTLET				
ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
2	SD095602	EVAPORATOR	1	off
3	SD272101	MOTOR PLATE	1	off
4	SD064060	FAN FOOT LH	1	off
5	SD064061	FAN FOOT RH	1	off
6	SD259150	FAN MOTOR 0.75kW 3PH 1410RPM	1	off
7	SD048450	PULLEY 200PCDx1SPA C/IRON	1	off
8	SD070360	BELT SPA875 PB	1	off
9	SD363950	PULLEY 112 PCD	1	off
11	SA366601	ELEC BOX ASSY	1	off
12	SD096250	DRIP TRAY	1	off
14	SD096450	DRIPTRAY PLATE	1	off
18	SD023250	DRIER 3/8 SWEAT 053	1	off
20	SD031150	SIGHT GLASS 3/8 ODS SOLDER	1	off
21	SD177850	RECEIVER (180.395.A)	1	off
22	SD084550	NRV 3/8	2	off
23	SD070950	N.R.V. 5/8 SOLDER	1	off
24	SD061750	REV VALVE	1	off
25	SD085450	REV VALVE COIL	1	off
26	SD064950	HEAT EXCHANGER (SLHE12012009)	1	off
27	SD066650	SUCTION ACCUMULATOR PA6125-18-9C	1	off
28	SD065050	ANGLE BRACKET	1	off
29	SD065150	ANGLE BRACKET	1	off
31	SD084350	VALVE TEV (SVE8VGA)	1	off
32	SD075052	TANK CONNECTOR 22x3/4 BSPF	1	off
33	SD111050	FLEXIBLE PIPE CLEAR PVC 16mm BORE	0.85	m
34	SD111150	HOSE CLIP NYLON 66 SIZE 22/25	2	off
37	SD090150	COPPER EARTH STRAP	0.07	m
41	SA205502	CONSOLE ASSY	1	off
43	SD064050	25mm BEARING & RUBBER CUP ASSY	2	off
44	SD064001	FAN AT12-12	1	off
45	SD208050	OWNERS MANUAL	1	off
46	SD057553	TOP PANEL	1	off
47	SD070451	INLET GRILLE	1	off
67	SP182554	REFRIGERANT R407c	10	kg
69	SD066350	SCHRADER VALVE	2	off
74	SD627050	COMPRESSOR ROTARY C-SBN453H8A SANYO	1	off
75	SD048650	TAPERLOCK BUSH 2012xDIA25 BORE	1	off
76	SD364050	TAPER LOCK BUSH 1610x19 DIA	1	off
77	SD189150	RECEIVER VERTICAL DIA130x265H	1	off
78	SD623784	LABEL, FAN EFFICIENCY	1	off
79	SP072453	LABEL COVER	1	off
85	SD404253	CRANKCASE HEATER 35W	1	off
89	SP148253	REFRIGERATION OIL ICEMATIC SW68	0.4	ls
90	SD057303	SERVICE PANEL (LH)	1	off

A363311 MAIN ASSEMBLY DH300BLYF TOP OUTLET

ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
2	SD095602	EVAPORATOR	1	off
3	SD272101	MOTOR PLATE	1	off
4	SD064060	FAN FOOT LH	1	off
5	SD064061	FAN FOOT RH	1	off
6	SD288151	MOTOR 3 PH 1.1kW 80 FRAME	1	off
7	SD087850	PULLEY 196 PCD	1	off
8	SD070373	BELT SPA825 PB	1	off
9	SD103650	PULLEY 63PCDx1SPA	1	off
11	SA366611	ELECTRIC BOX ASSY	1	off
12	SD096250	DRIP TRAY	1	off
14	SD096450	DRIPTRAY PLATE	1	off
18	SD023250	DRIER 3/8 SWEAT 053	1	off
20	SD031150	SIGHT GLASS 3/8 ODS SOLDER	1	off
21	SD177850	RECEIVER (180.395.A)	1	off
22	SD084550	NRV 3/8	2	off
23	SD070950	N.R.V. 5/8 SOLDER	1	off
24	SD061750	REV VALVE	1	off
25	SD085450	REV VALVE COIL	1	off
26	SD064950	HEAT EXCHANGER (SLHE12012009)	1	off
27	SD066650	SUCTION ACCUMULATOR PA6125-18-9C	1	off
28	SD065050	ANGLE BRACKET	1	off
29	SD065150	ANGLE BRACKET	1	off
31	SD084350	VALVE TEV (SVE8VGA)	1	off
32	SD075052	TANK CONNECTOR 22x3/4 BSPF	1	off
33	SD111050	FLEXIBLE PIPE CLEAR PVC 16mm BORE	0.85	m
34	SD111150	HOSE CLIP NYLON 66 SIZE 22/25	2	off
37	SD090150	COPPER EARTH STRAP	0.07	m
41	SA205502	CONSOLE ASSY	1	off
43	SD064050	25mm BEARING & RUBBER CUP ASSY	2	off
44	SD064001	FAN AT12-12	1	off
45	SD208050	OWNERS MANUAL	1	off
46	SD057553	TOP PANEL	1	off
47	SD070451	INLET GRILLE	1	off
67	SP182554	REFRIGERANT R407c	10	kg
69	SD066350	SCHRADER VALVE	2	off
74	SD627050	COMPRESSOR ROTARY C-SBN453H8A SANYO	1	off
75	SD048650	TAPERLOCK BUSH 2012xDIA25 BORE	1	off
76	SD364050	TAPER LOCK BUSH 1610x19 DIA	1	off
77	SD189150	RECEIVER VERTICAL DIA130x265H	1	off
78	SD623785	LABEL FAN EFFICIENCY	1	off
79	SP072453	LABEL COVER	1	off
85	SD404253	CRANKCASE HEATER 35W	1	off
89	SP148253	REFRIGERATION OIL ICEMATIC SW68	0.4	ls
90	SD057303	SERVICE PANEL (LH)	1	off

MAIN ASSEMBLY DH300BL/BLF

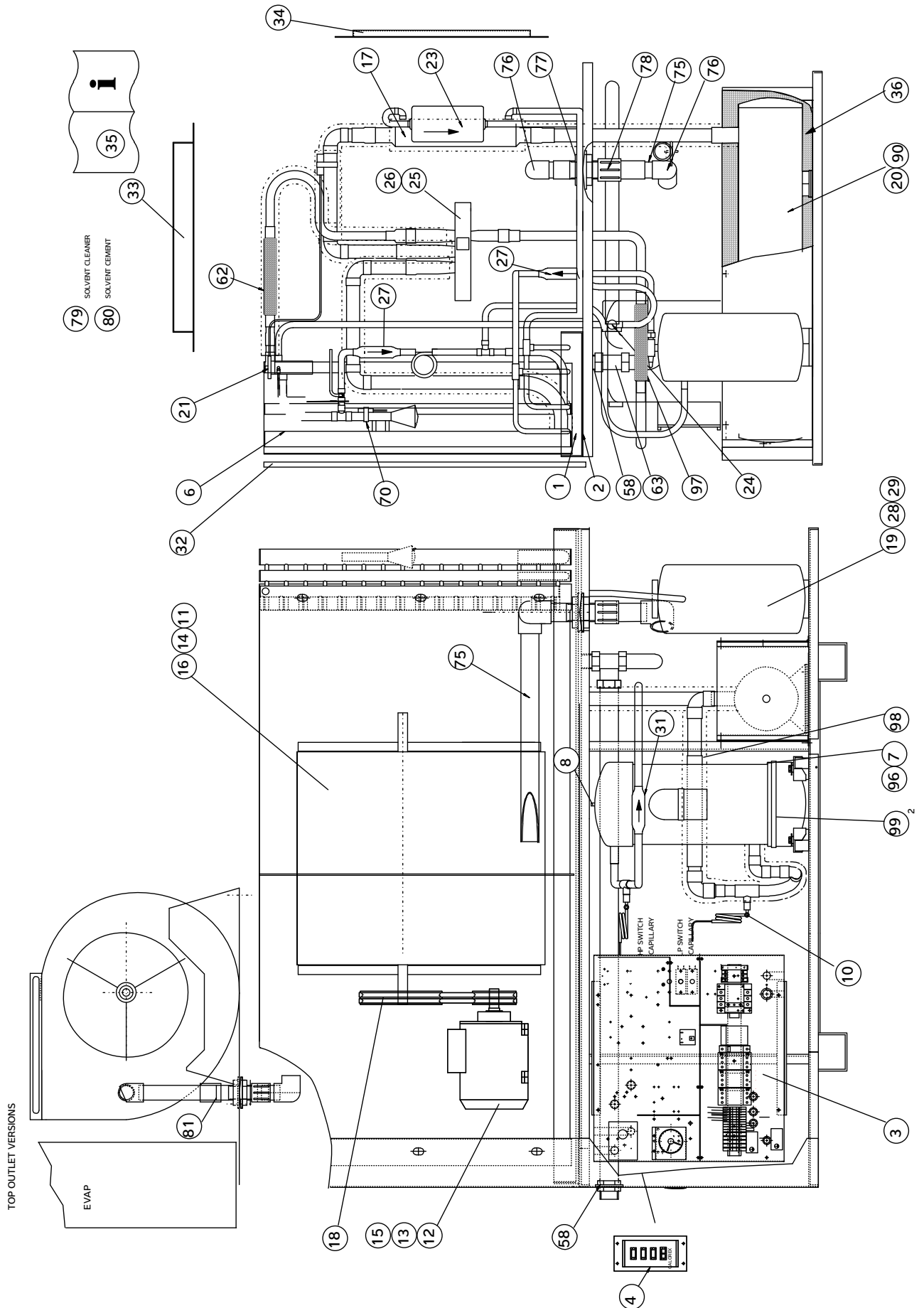


A363303 MAIN ASSEMBLY DH300BL

ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
2	SD095602	EVAPORATOR	1	off
3	SD272101	MOTOR PLATE	1	off
4	SD064060	FAN FOOT LH	1	off
5	SD064061	FAN FOOT RH	1	off
6	SD259150	FAN MOTOR 0.75kW 3PH 1410RPM	1	off
7	SD048450	PULLEY 200PCDx1SPA C/IRON	1	off
8	SD070360	BELT SPA875 PB	1	off
9	SD363950	PULLEY 112 PCD	1	off
11	SA366603	ELEC BOX ASSY	1	off
12	SD096250	DRIP TRAY	1	off
14	SD096450	DRIPTRAY PLATE	1	off
18	SD023250	DRIER 3/8 SWEAT 053	1	off
20	SD031150	SIGHT GLASS 3/8 ODS SOLDER	1	off
21	SD177850	RECEIVER (180.395.A)	1	off
23	SD070950	N.R.V. 5/8 SOLDER	1	off
26	SD064950	HEAT EXCHANGER (SLHE12012009)	1	off
27	SD066650	SUCTION ACCUMULATOR PA6125-18-9C	1	off
28	SD065050	ANGLE BRACKET	1	off
29	SD065150	ANGLE BRACKET	1	off
31	SD084350	VALVE TEV (SVE8VGA)	1	off
32	SD075052	TANK CONNECTOR 22x3/4 BSPF	1	off
33	SD111050	FLEXIBLE PIPE CLEAR PVC 16mm BORE	0.85	m
34	SD111150	HOSE CLIP NYLON 66 SIZE 22/25	2	off
37	SD118351	THERMOSTAT PRESET	1	off
41	SA205502	CONSOLE ASSY	1	off
43	SD064050	25mm BEARING & RUBBER CUP ASSY	2	off
44	SD064001	FAN AT12-12	1	off
45	SD208050	OWNER MANUAL	1	off
46	SD057553	TOP PANEL	1	off
67	SP182554	REFRIGERANT R407c	9.5	kg
69	SD066350	SCHRADER VALVE	2	off
74	SD627050	COMPRESSOR ROTARY C-SBN453H8A SANYO	1	off
75	SD048650	TAPERLOCK BUSH 2012xDIA25 BORE	1	off
76	SD364050	TAPER LOCK BUSH 1610x19 DIA	1	off
78	SD623784	LABEL FAN EFFICIENCY	1	off
79	SP072453	LABEL COVER	1	off
82	SD404253	CRANKCASE HEATER 35W	1	off
86	SP148253	REFRIGERATION OIL ICEMATIC SW68	0.4	ls
90	SD057303	SIDE PANEL (LH)	1	off

A363313 MAIN ASSEMBLY DH300BLF				
ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
2	SD095602	EVAPORATOR	1	off
3	SD272101	MOTOR PLATE	1	off
4	SD064060	FAN FOOT LH	1	off
5	SD064061	FAN FOOT RH	1	off
6	SD288151	MOTOR 3 PH 1.1kW 80 FRAME	1	off
7	SD087850	PULLEY 196 PCD	1	off
8	SD070373	BELT SPA825 PB	1	off
9	SD103650	PULLEY 63PCDx1SPA	1	off
11	SA366613	ELECTRIC BOX ASSY	1	off
12	SD096250	DRIP TRAY	1	off
14	SD096450	DRIPTRAY PLATE	1	off
18	SD023250	DRIER 3/8 SWEAT 053	1	off
20	SD031150	SIGHT GLASS 3/8 ODS SOLDER	1	off
21	SD177850	RECEIVER (180.395.A)	1	off
23	SD070950	N.R.V. 5/8 SOLDER	1	off
26	SD064950	HEAT EXCHANGER (SLHE12012009)	1	off
27	SD066650	SUCTION ACCUMULATOR PA6125-18-9C	1	off
28	SD065050	ANGLE BRACKET	1	off
29	SD065150	ANGLE BRACKET	1	off
31	SD084350	VALVE TEV (SVE8VGA)	1	off
32	SD075052	TANK CONNECTOR 22x3/4 BSPF	1	off
33	SD111050	FLEXIBLE PIPE CLEAR PVC 16mm BORE	0.85	m
34	SD111150	HOSE CLIP NYLON 66 SIZE 22/25	2	off
37	SD118351	THERMOSTAT PRESET	1	off
41	SA205502	CONSOLE ASSY	1	off
43	SD064050	25mm BEARING & RUBBER CUP ASSY	2	off
44	SD064001	FAN AT12-12	1	off
45	SD208050	OWNER MANUAL	1	off
46	SD057553	TOP PANEL	1	off
67	SP182554	REFRIGERANT R407c	9.5	kg
69	SD066350	SCHRADER VALVE	2	off
74	SD627050	COMPRESSOR ROTARY C-SBN453H8A SANYO	1	off
78	SD823785	LABEL FAN EFFICIENCY	1	off
79	SP072453	LABEL COVER	1	off
82	SD404253	CRANKCASE HEATER 35W	1	off
86	SP148253	REFRIGERATION OIL ICEMATIC SW68	0.4	ls
90	SD057303	SIDE PANEL (LH)	1	off

MAIN ASSEMBLY DH600BY/BYF TOP OUTLET

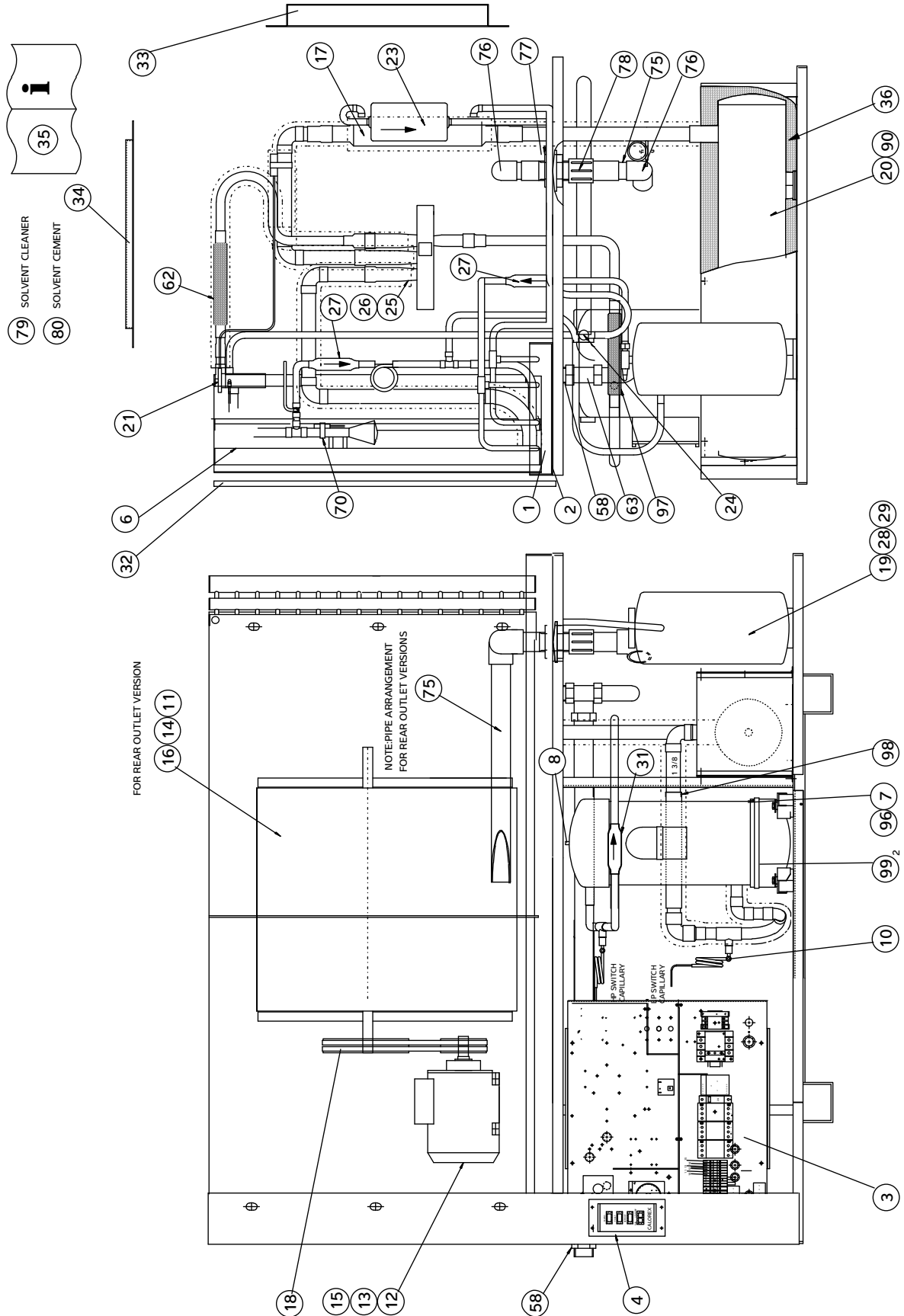


A479701. MAIN ASSEMBLY DH600BY TOP OUTLET				
ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
1	SD047550	DRIP TRAY STAINLESS STEEL	1	off
2	SD305950	PLATE DRIP TRAY HEATER	1	off
3	SA209901	ELEC BOX ASSY DH600BY	1	off
4	SA205502	CONSOLE ASSY	1	off
6	SD183201	FIN COIL EVAPORATOR FIN AREA813Hx1382W	1	off
7	SD402453	COMPRESSOR C-SCN903H8H	1	off
8	SD332752	OVERLOAD PROTECTOR	1	off
10	SP066350	SCHRADER VALVE	2	off
11	SA048102	FAN ASSY WITH DIA 50mm HOLE	1	off
12	SD048250	MOTOR 1.1KW 3PH 900RPM	1	off
13	SD048351	PULLEY 100 PCDx2 SPA C/IRON	1	off
14	SD048451	PULLEY 200PCDx2SPA C/IRON	1	off
15	SD048550	TAPERLOCK BUSH 1610xDIA 24 BORE	1	off
16	SD195850	TAPERLOCK BUSH 2517xDIA 25 BORE	1	off
17	SD048850	HEAT EXCHANGER	1	off
18	SD070304	BELTS SPA1120 MATCHED SET OF 2	1	off
19	SD177850	RECEIVER (180.395.A)	1	off
20	SD304850	SUCTION ACCUMULATOR	1	off
21	SD311050	TEV SVE-15-GA	1	off
23	SD049350	DRIER 5/8 SWEAT	1	off
24	SD049450	SIGHT GLASS 5/8 ODS SOLDER	1	off
25	SD060050	REVERSING VALVE V39-321	1	off
26	SA200701	REV VALVE COIL ASSY	1	off
27	SD070950	NRV 5/8 SOLDER	1	off
28	SP049650	FLARE BONNET	5	off
29	SP015853	FLARE NUT 1/4 BRASS	6	off
31	SD284250	N.R.V. 3/4 SOLDER	1	off
32	SD047451	INLET GRILLE	1	off
33	SD050750	OUTLET GRILLE	1	off
34	SD113450	BLANKING PLATE	1	off
35	SD208050	MANUAL DH150/300/600	1	off
36	SD459550	VERMICULITE LOOSE INSULATION	3.5	kg
58	SD019050	FLAT BACK NUT 1 1/2 BSP	1	off
63	SD182950	ADAPTOR 42Fx42F MULTI FIT PLASTIC	1	off
90	SP148253	REFRIGERATION OIL ICEMATICSW68	1.7	ls
96	SP182554	REFRIGERANT R407c	14	kg
97	SD406850	VIBRATION ELIMINATOR 3/4 S/STEEL	1	off
98	SD406851	VIBRATION ELIMINATOR 1 3/8 S/STEEL	1	off
99	SD404254	SUMP HEATER 85W	2	off
62	SD406854	VIBRATION ELIMINATOR 7/8 S/STEEL	1	off
70	SP090150	COPPER EARTH STRAP	0.1	m
74	SD243450	PVC-U GREY PIPE 1.5in DIA	0.78	m
76	SD203552	ELBOW 1.5in x 1.5in 90 DEG (PVC-U)	2	off
77	SD466754	1.5in BSPM TANK CONNECTOR (PVC-U)	1	off
78	SD466755	SOCKET PLAIN-1.5in BPSF U-PVC	1	off
79	SP197253	PVC-U SOLVENT CEMENT	0.001	ls
80	SP197252	MEK SOLVENT/CLEANER	0.001	ls
81	SD203651	1.5in x 1.5in PLAIN SOCKET (PVC-U)	1	off

A479703. MAIN ASSEMBLY DH600BYF TOP OUTLET

ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
1	SD047550	DRIP TRAY STAINLESS STEEL	1	off
2	SD305950	PLATE DRIP TRAY HEATER	1	off
3	SA209901	ELEC BOX ASSY DH600BY	1	off
4	SA205502	CONSOLE ASSY	1	off
6	SD183201	FIN COIL EVAPORATOR FIN AREA813Hx1382W	1	off
7	SD402453	COMPRESSOR C-SCN903H8H	1	off
8	SD332752	OVERLOAD PROTECTOR	1	off
10	SP066350	SCHRADER VALVE	2	off
11	SA048102	FAN ASSY WITH DIA 50mm HOLE	1	off
12	SD093550	MOTOR 1.5KW 3PH 1420RPM (MT90/L4)	1	off
13	SD048351	PULLEY 100 PCDx2 SPA C/IRON	1	off
14	SD048451	PULLEY 200PCDx2SPA C/IRON	1	off
15	SD048550	TAPERLOCK BUSH 1610xDIA 24 BORE	1	off
16	SD195850	TAPERLOCK BUSH 2517xDIA 25 BORE	1	off
17	SD048850	HEAT EXCHANGER	1	off
18	SD070306	BELTS SPA1220 MATCHED SET OF 2	1	off
19	SD177850	RECEIVER (180.395.A)	1	off
20	SD304850	SUCTION ACCUMULATOR	1	off
21	SD311050	TEV SVE-15-GA	1	off
23	SD049350	DRIER 5/8 SWEAT	1	off
24	SD049450	SIGHT GLASS 5/8 ODS SOLDER	1	off
25	SD060050	REVERSING VALVE V39-321	1	off
26	SA200701	REV VALVE COIL ASSY	1	off
27	SD070950	NRV 5/8 SOLDER	1	off
28	SP049650	FLARE BONNET	5	off
29	SP015853	FLARE NUT 1/4 BRASS	6	off
31	SD284250	N.R.V. 3/4 SOLDER	1	off
32	SD047451	INLET GRILLE	1	off
33	SD050750	OUTLET GRILLE	1	off
34	SD113450	BLANKING PLATE	1	off
35	SD208050	MANUAL DH150/300/600	1	off
36	SD459550	VERMICULITE LOOSE INSULATION	3.5	kg
58	SD019050	FLAT BACK NUT 1 1/2 BSP	1	off
63	SD182950	ADAPTOR 42Fx42F MULTI FIT PLASTIC	1	off
90	SP148253	REFRIGERATION OIL ICEMATICSW68	1.7	ls
96	SP182554	REFRIGERANT R407c	14	kg
97	SD406850	VIBRATION ELIMINATOR 3/4 S/STEEL	1	off
98	SD406851	VIBRATION ELIMINATOR 1 3/8 S/STEEL	1	off
99	SD404254	SUMP HEATER 85W	2	off
62	SD406854	VIBRATION ELIMINATOR 7/8 S/STEEL	1	off
70	SP090150	COPPER EARTH STRAP	0.1	m
74	SD243450	PVC-U GREY PIPE 1.5in DIA	0.78	m
76	SD203552	ELBOW 1.5in x 1.5in 90 DEG (PVC-U)	2	off
77	SD466754	1.5in BSPM TANK CONNECTOR (PVC-U)	1	off
78	SD466755	SOCKET PLAIN-1.5in BSPF U-PVC	1	off
79	SP197253	PVC-U SOLVENT CEMENT	0.001	ls
80	SP197252	MEK SOLVENT/CLEANER	0.001	ls
81	SD203651	1.5in x 1.5in PLAIN SOCKET (PVC-U)	1	off

MAIN ASSEMBLY DH600BY/BYF REAR OUTLET

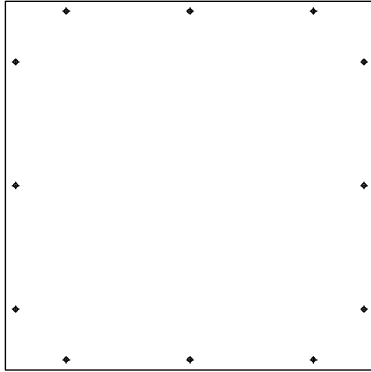


A479702. MAIN ASSEMBLY DH600BY REAR OUTLET

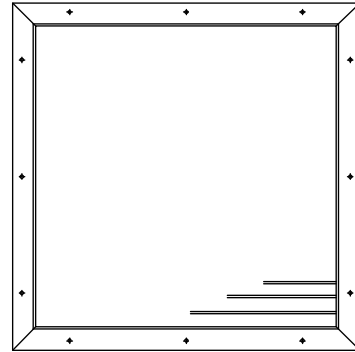
ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
1	SD047550	DRIP TRAY STAINLESS STEEL	1	off
2	SD305950	PLATE DRIP TRAY HEATER	1	off
3	SA209901	ELEC BOX ASSY DH600BY	1	off
4	SA205502	CONSOLE ASSY	1	off
6	SD183201	FIN COIL EVAPORATOR FIN AREA813Hx1382W	1	off
7	SD402453	COMPRESSOR C-SCN903H8H	1	off
8	SD223752	OVERLOAD PROTECTOR	1	off
10	SP066350	SCHRADER VALVE	2	off
11	SA048102	FAN ASSY WITH DIA 50mm HOLE	1	off
12	SD048250	MOTOR 1.1KW 3PH 900RPM	1	off
13	SD048351	PULLEY 100 PCDx2 SPA C/IRON	1	off
14	SD048451	PULLEY 200PCDx2SPA C/IRON	1	off
15	SD048550	TAPERLOCK BUSH 1610xDIA 24 BORE	1	off
16	SD195850	TAPERLOCK BUSH 2517xDIA 25 BORE	1	off
17	SD048850	HEAT EXCHANGER	1	off
18	SD070302	BELT SPA1250 (MATCHED SET OF 2)	1	off
19	SD177850	RECEIVER (180.395.A)	1	off
20	SD304850	SUCTION ACCUMULATOR	1	off
21	SD311050	TEV SVE-15-GA	1	off
23	SD049350	DRIER 5/8 SWEAT	1	off
24	SD049450	SIGHT GLASS 5/8 ODS SOLDER	1	off
25	SD060050	REVERSING VALVE V39-321	1	off
26	SA200701	REV VALVE COIL ASSY	1	off
27	SD070950	NRV 5/8 SOLDER	1	off
28	SP049650	FLARE BONNET	5	off
29	SP015853	FLARE NUT 1/4 BRASS	6	off
31	SD284250	N.R.V. 3/4 SOLDER	1	off
32	SD047451	INLET GRILLE	1	off
33	SD050750	OUTLET GRILLE	1	off
34	SD113450	BLANKING PLATE	1	off
35	SD208050	MANUAL DH150/300/600	1	off
36	SD459550	VERMICULITE, LOOSE INSULATION	3.5kg	off
58	SD019050	FLAT BACK NUT 1 1/2 BSP	1	off
63	SD182950	ADAPTOR 42Fx42F MULTI FIT PLASTIC	1	off
90	SP148253	REFRIGERATION OIL ICEMATICSW68	1.7	ls
96	SP182554	REFRIGERANT R407c	14	kg
97	SD406850	VIBRATION ELIMINATOR 3/4 S/STEEL	1	off
98	SD406851	VIBRATION ELIMINATOR 1 3/8 S/STEEL	1	off
99	SD404254	SUMP HEATER 85W	2	off
102	SD406854	VIBRATION ELIMINATOR 7/8 S/STEEL	1	off
110	SP090150	COPPER EARTH STRAP	0.1	m
115	SD243450	PVC-U GREY PIPE 1.5in DIA	0.78	m
116	SD203552	ELBOW 1.5in x 1.5in 90 DEG (PVC-U)	2	off
117	SD466754	1.5in BSPM TANK CONNECTOR (PVC-U)	1	off
118	SD466755	SOCKET PLAIN-1.5in BPSF U-PVC	1	off
119	SP197253	PVC-U SOLVENT CEMENT	0.001	ls
120	SP197252	MEK SOLVENT/CLEANER	0.001	ls

A479704. MAIN ASSEMBLY DH600BYF REAR OUTLET				
ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
1	SD047550	DRIP TRAY STAINLESS STEEL	1	off
2	SD305950	PLATE DRIP TRAY HEATER	1	off
3	SA209901	ELEC BOX ASSY DH600BY	1	off
4	SA205502	CONSOLE ASSY	1	off
6	SD183201	FIN COIL EVAPORATOR FIN AREA813Hx1382W	1	off
7	SD402453	COMPRESSOR C-SCN903H8H	1	off
8	SD223752	OVERLOAD PROTECTOR	1	off
10	SP066350	SCHRADER VALVE	2	off
11	SA048102	FAN ASSY WITH DIA 50mm HOLE	1	off
12	SD093550	MOTOR 1.5KW 3PH1420RPM	1	off
13	SD048351	PULLEY 100 PCDx2 SPA C/IRON	1	off
14	SD048451	PULLEY 200PCDx2SPA C/IRON	1	off
15	SD048550	TAPERLOCK BUSH 1610xDIA 24 BORE	1	off
16	SD195850	TAPERLOCK BUSH 2517xDIA 25 BORE	1	off
17	SD048850	HEAT EXCHANGER	1	off
18	SD070307	BELT SPA1320 (MATCHED SET OF 2)	1	off
19	SD177850	RECEIVER (180.395.A)	1	off
20	SD304850	SUCTION ACCUMULATOR	1	off
21	SD311050	TEV SVE-15-GA	1	off
23	SD049350	DRIER 5/8 SWEAT	1	off
24	SD049450	SIGHT GLASS 5/8 ODS SOLDER	1	off
25	SD060050	REVERSING VALVE V39-321	1	off
26	SA200701	REV VALVE COIL ASSY	1	off
27	SD070950	NRV 5/8 SOLDER	1	off
28	SP049650	FLARE BONNET	5	off
29	SP015853	FLARE NUT 1/4 BRASS	6	off
31	SD284250	N.R.V. 3/4 SOLDER	1	off
32	SD047451	INLET GRILLE	1	off
33	SD050750	OUTLET GRILLE	1	off
34	SD113450	BLANKING PLATE	1	off
35	SD208050	MANUAL DH150/300/600	1	off
36	SD459550	VERMICULITE, LOOSE INSULATION	3.5kg	off
58	SD019050	FLAT BACK NUT 1 1/2 BSP	1	off
63	SD182950	ADAPTOR 42Fx42F MULTI FIT PLASTIC	1	off
90	SP148253	REFRIGERATION OIL ICEMATICSW68	1.7	ls
96	SP182554	REFRIGERANT R407c	14	kg
97	SD406850	VIBRATION ELIMINATOR 3/4 S/STEEL	1	off
98	SD406851	VIBRATION ELIMINATOR 1 3/8 S/STEEL	1	off
99	SD404254	SUMP HEATER 85W	2	off
102	SD406854	VIBRATION ELIMINATOR 7/8 S/STEEL	1	off
110	SP090150	COPPER EARTH STRAP	0.1	m
115	SD243450	PVC-U GREY PIPE 1.5in DIA	0.78	m
116	SD203552	ELBOW 1.5in x 1.5in 90 DEG (PVC-U)	2	off
117	SD466754	1.5in BSPM TANK CONNECTOR (PVC-U)	1	off
118	SD466755	SOCKET PLAIN-1.5in BPSF U-PVC	1	off
119	SP197253	PVC-U SOLVENT CEMENT	0.001	ls
120	SP197252	MEK SOLVENT/CLEANER	0.001	ls

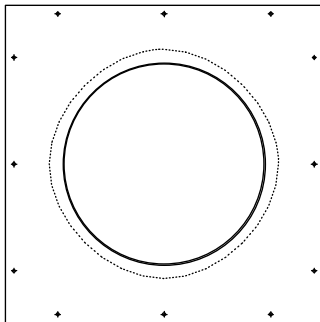
SIDE PANEL OPTIONS FOR DH150 TOP BOX ASSEMBLY



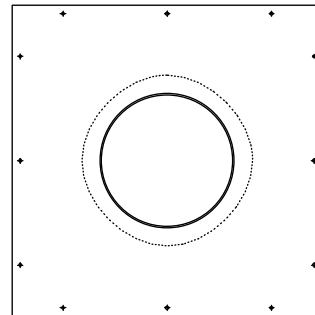
SD276250
BLANKING PLATE
1 PER UNUSED FACE



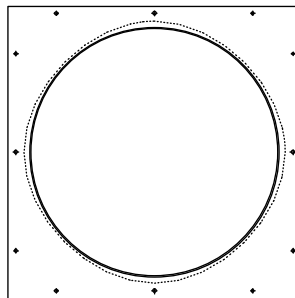
SD283901
DEFLECTION GRILLE
1 PER FACE
MAX 3 PER ASSY



SD275301
12" DUCT SPIGOT
1 PER FACE
MAX 3 PER ASSY

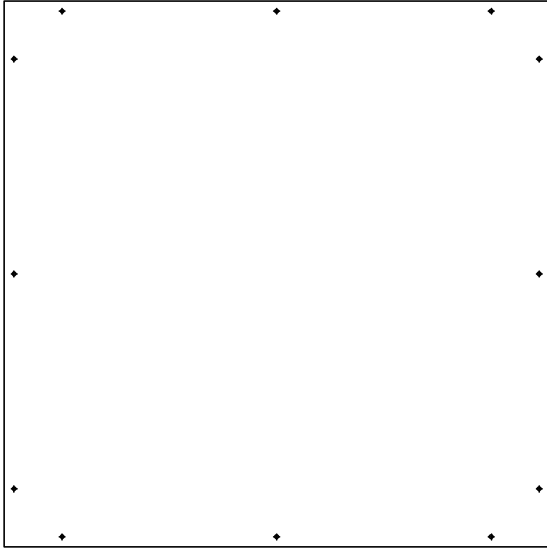


SD275303
8" DUCT SPIGOT
1 PER FACE
MAX 3 PER ASSY

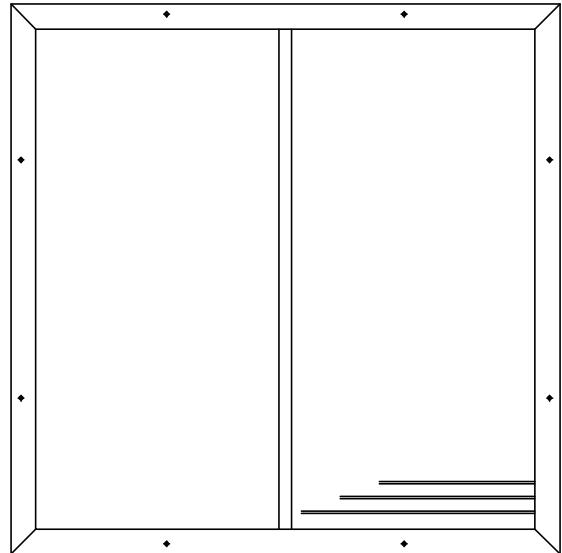


SD275305
16" DUCT SPIGOT
1 PER FACE
MAX 3 PER ASSY

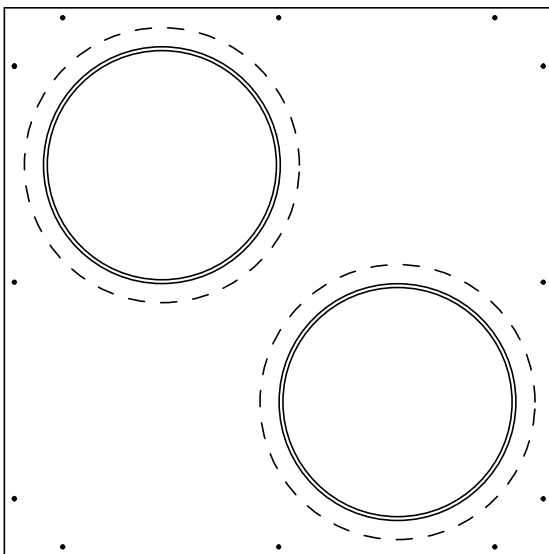
SIDE PANEL OPTIONS FOR DH600 TOP BOX ASSEMBLY



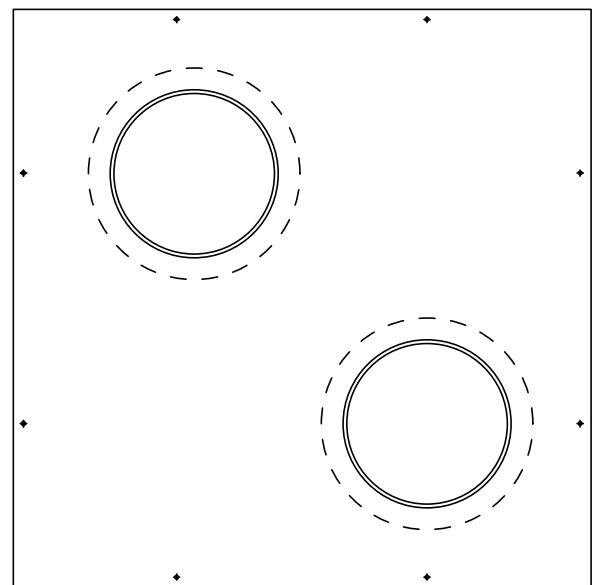
SD276251
BLANKING PLATE
1 PER UNUSED FACE



SD283902
DEFLECTION GRILLE
1 PER FACE
MAX 4 PER ASSY



SD275302
12" DUCT SPIGOT
1 PER FACE
MAX 4 PER ASSY



SD275304
8" DUCT SPIGOT
1 PER FACE
MAX 4 PER ASSY

17.5 HEATER BOXES

MAIN ASSEMBLY DH150A HEATED TOP BOX

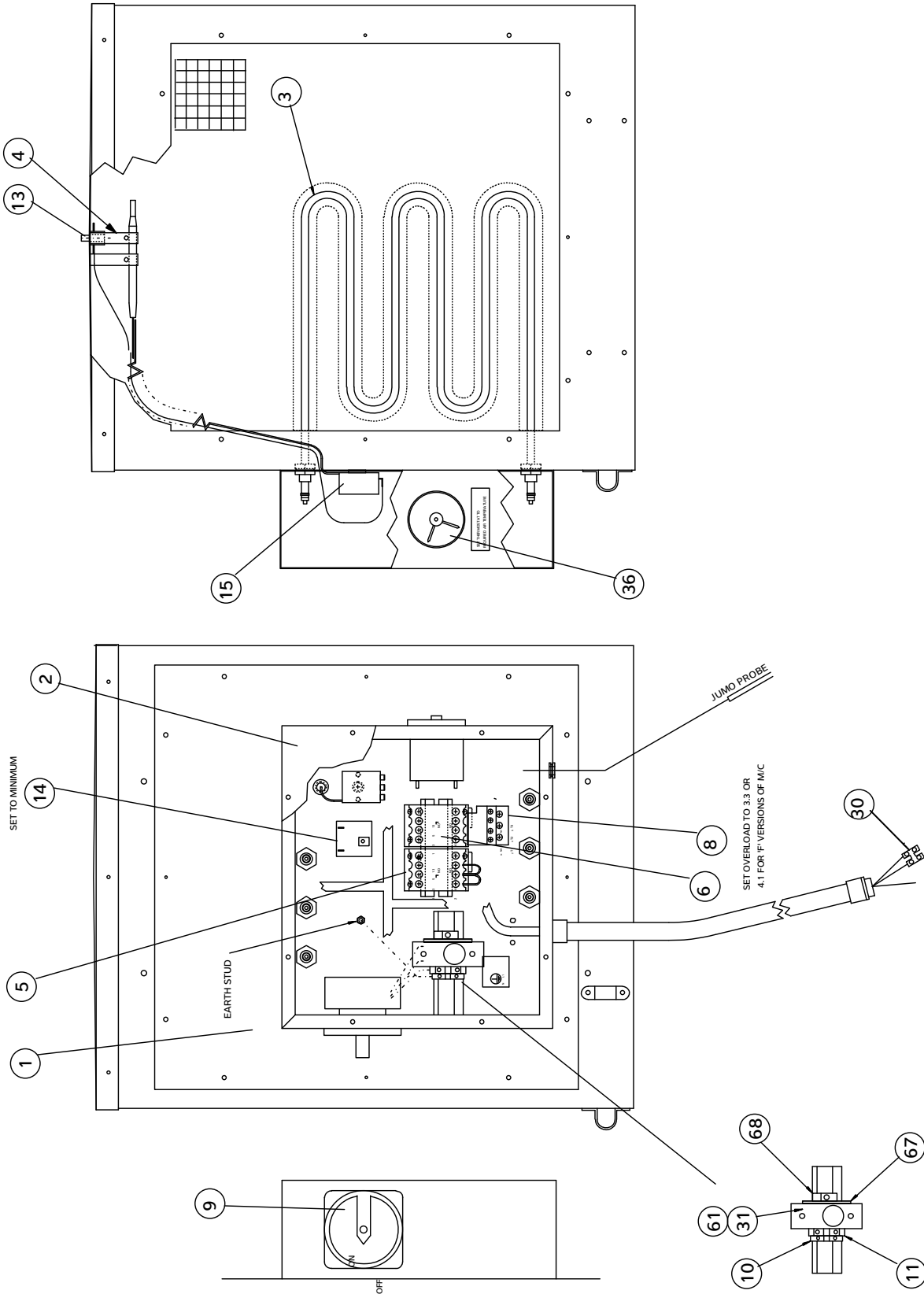


FIG.2

A276004 AT ISS 6 (14/09/2011). HEATER BOX ASSY DH150A				
ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
1	SD318901	HEATER CONTROL BOX	1	off
2	SD276253	COVER	1	off
3	SD253650	3kW HEATER ELEMENT	3	off
4	SP090150	COPPER EARTH STRAP	0.002	m
5	SD612052	CONTACTOR 18A 3+1N/O AUX	1	off
6	SD612050	CONTACTOR 9A 3+1 N/O AUX	1	off
8	SD612453	CONTACTOR O/LOAD 2.5 - 4.0 A	1	off
9	SD232152	SWITCH ROTARY 3 POLE ON/OFF 63A	1	off
10	SD098950	TERMINAL BLOCK EARTH EK4	1	off
11	SD198450	TERMINAL BLOCK SAK10	1	off
13	SD103253	THERMAL CUTOOUT MANUAL RESET	1	off
14	SD089550	DELAY TIMER 7 SEC TO 9 MIN	1	off
15	SD253954	CALIBRATED THERMOSTAT (YELLOW)	1	off
30	SP098755	TERMINAL BLOCK 2 WAY (6A)	1	off
31	SD126150	TERMINAL BLOCK SAKS5	1	off
36	SD023150	POOL THERMOSTAT 0-60	1	off
61	SD126251	FUSE 50A	1	off
67	SD196550	ELEC COMP PARTITION MELAMINE	1	off
68	SD051250	TERMINAL BLOCK END BRACKET	1	off

DH150A HEATER BOX INSTRUCTIONS

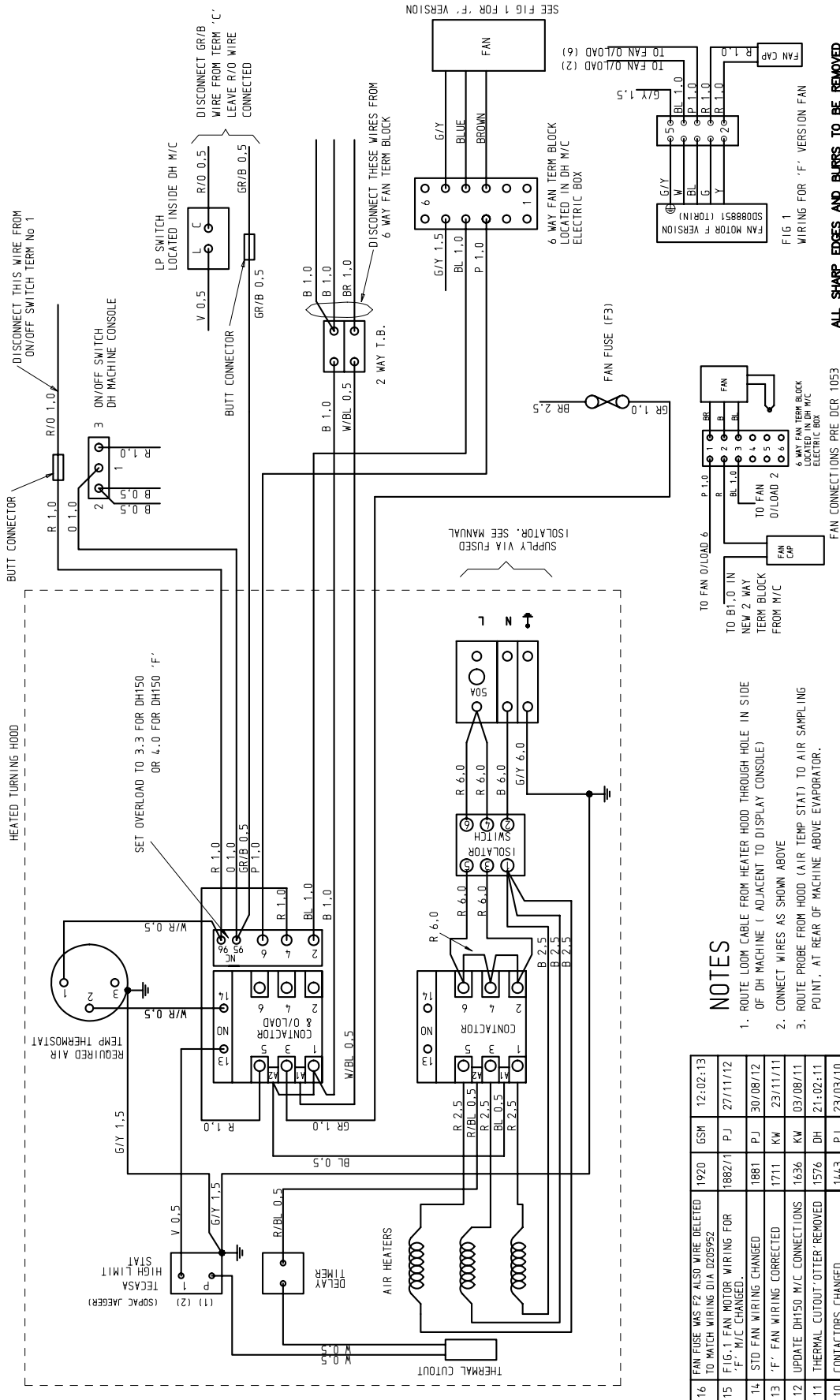
D319052 ISS 16

DRG No. D319052

IF IN DOUBT ASK

3rd ANGLE PROJECTION

DO NOT SCALE PRINT



NOTES

1. ROUTE LOOM CABLE FROM HEATER HOOD THROUGH HOLE IN SIDE OF DH MACHINE (ADJACENT TO DISPLAY CONSOLE)
2. CONNECT WIRES AS SHOWN ABOVE
3. ROUTE PROBE FROM HOOD (AIR TEMP STAT) TO AIR SAMPLING POINT, AT REAR OF MACHINE ABOVE EVAPORATOR.

16	FAN FUSE WAS F2 ALSO WIRE DELETED TO MATCH WIRING DIA D205952	1920	GSM	12:02:13
15	FIG.1 FAN MOTOR WIRING FOR 'F' M/C CHANGED.	1882/1	PJ	27/11/12
14	STD FAN WIRING CHANGED	1861	PJ	30/08/12
13	'F' FAN WIRING CORRECTED	1711	KW	23/11/11
12	UPDATE DH150 M/C CONNECTIONS	1636	KW	03/08/11
11	THERMAL CUTOFF OTTER REMOVED	1576	DH	21:02:11
10	CONTACTORS CHANGED	1443	PJ	23/03/10
9	FAN WIRING AMENDED	1370	PJ	29/01/10

DRAWING CHANGE		MATERIAL		TOLERANCE UNLESS SPECIFIED		TITLE		WIRING		ALL SHARP EDGES AND BURRS TO BE REMOVED	
ISS	C/N	APPD	DATE	INSPECTION LEVEL	DMS	HOLES TO BS 4500 E12	HEATER HOOD TO DH150 M/C SINGLE PHASE	INSTRUCTION LABEL	1	SCALE	DATE
											13:1:93
											NTS

DRG No. D319052



© CALOREX HEAT PUMPS LTD U.K.C.

MAIN ASSEMBLY DH150B HEATED TOP BOX

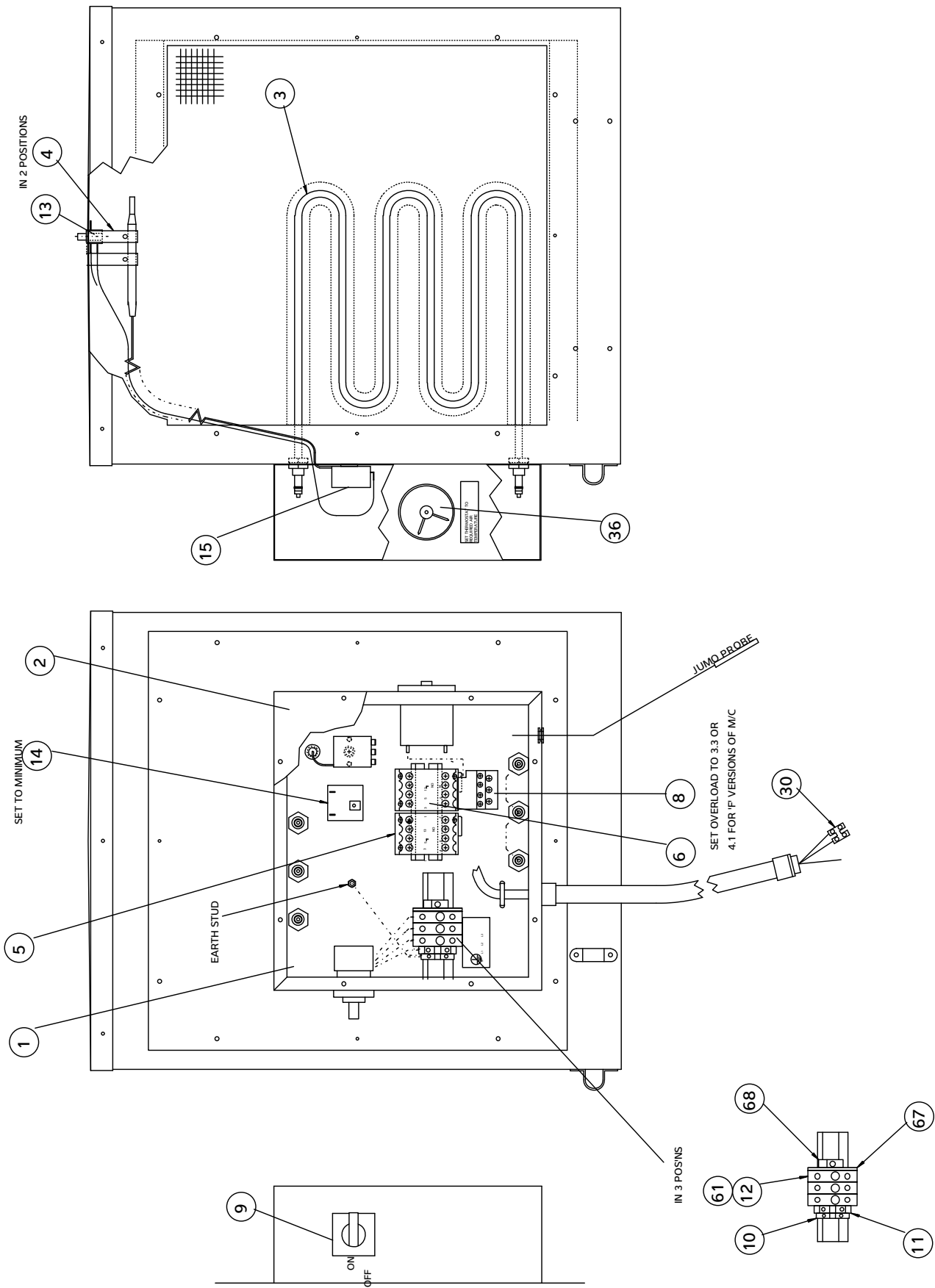


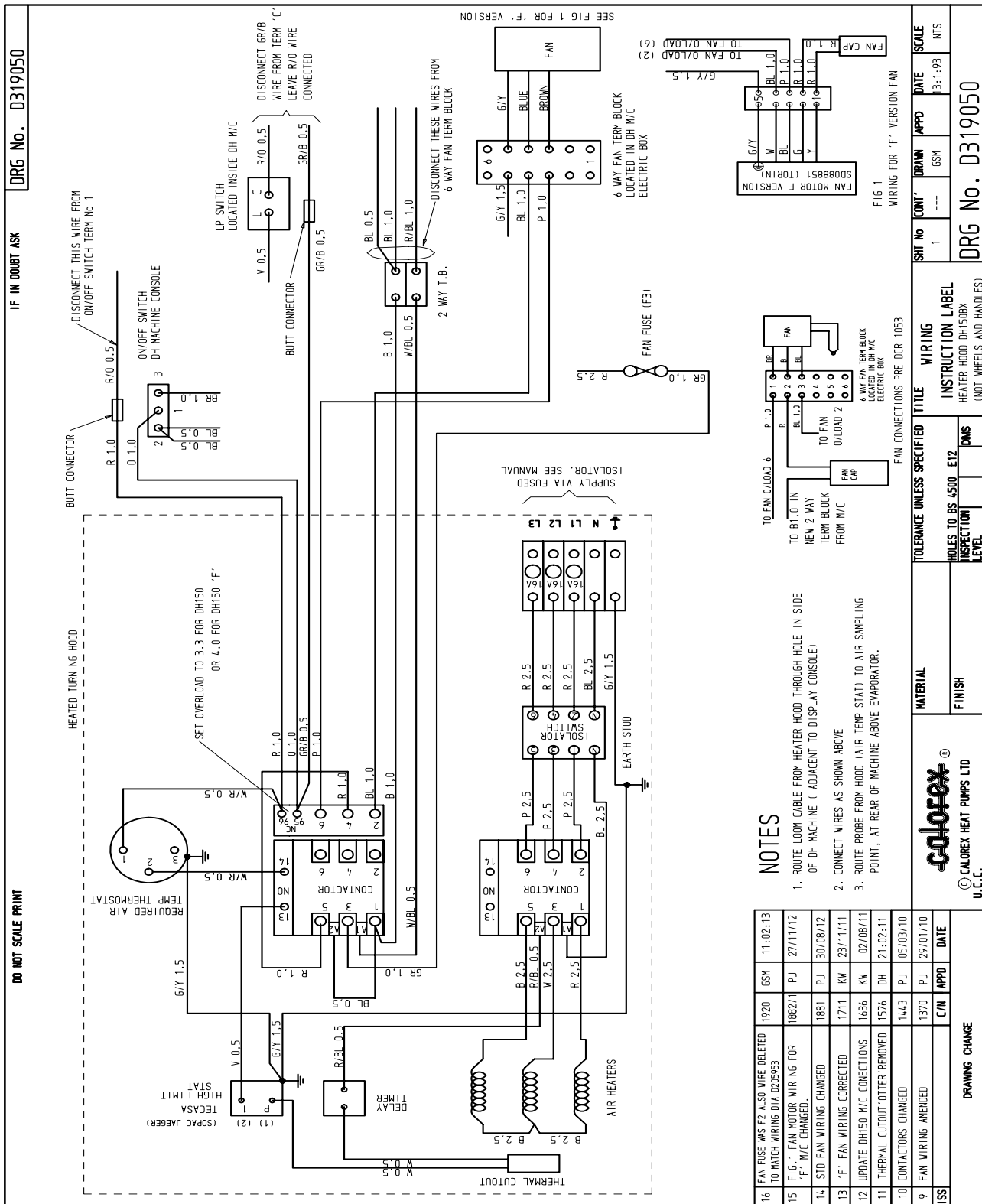
FIG.2

ASSY No SA276003 AT ISS 9 (16/03/2016). HEATED TOP BOX ASSY DH150 3 PHASE

ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
1	SD318901	HEATER CONTROL BOX	1	off
2	SD276253	COVER	1	off
3	SD253650	3kW HEATER ELEMENT	3	off
4	SP090150	COPPER EARTH STRAP	0.2	m
5	SD612052	CONTACTOR 18A 3+1N/O AUX	1	off
6	SD612050	CONTACTOR 9A 3+1 N/O AUX	1	off
8	SD612453	CONTACTOR O/LOAD 2.5 - 4.0 A	1	off
9	SD232150	ISOLATOR SWITCH	1	off
10	SD051850	TERMINAL BLOCK EARTH EK2.5N	1	off
11	SD099050	TERMINAL BLOCK SAK6N	1	off
12	SD051950	TERMINAL BLOCK SAKS3	3	off
13	SD103253	THERMAL CUTOUT MANUAL RESET	1	off
14	SD089550	DELAY TIMER 7 SEC TO 9 MIN	1	off
15	SA253954	THERMOSTAT CALIBRATED (YELLOW)	1	off
30	SP098755	TERMINAL BLOCK 2 WAY (6A)	1	off
36	SD023150	POOL THERMOSTAT 0-60	1	off
61	SD035355	FUSE 1/4x1 1/4 16A	1	off
67	SD196550	ELEC COMP PARTITION MELAMINE	1	off
68	SD051250	TERMINAL BLOCK END BRACKET	1	off

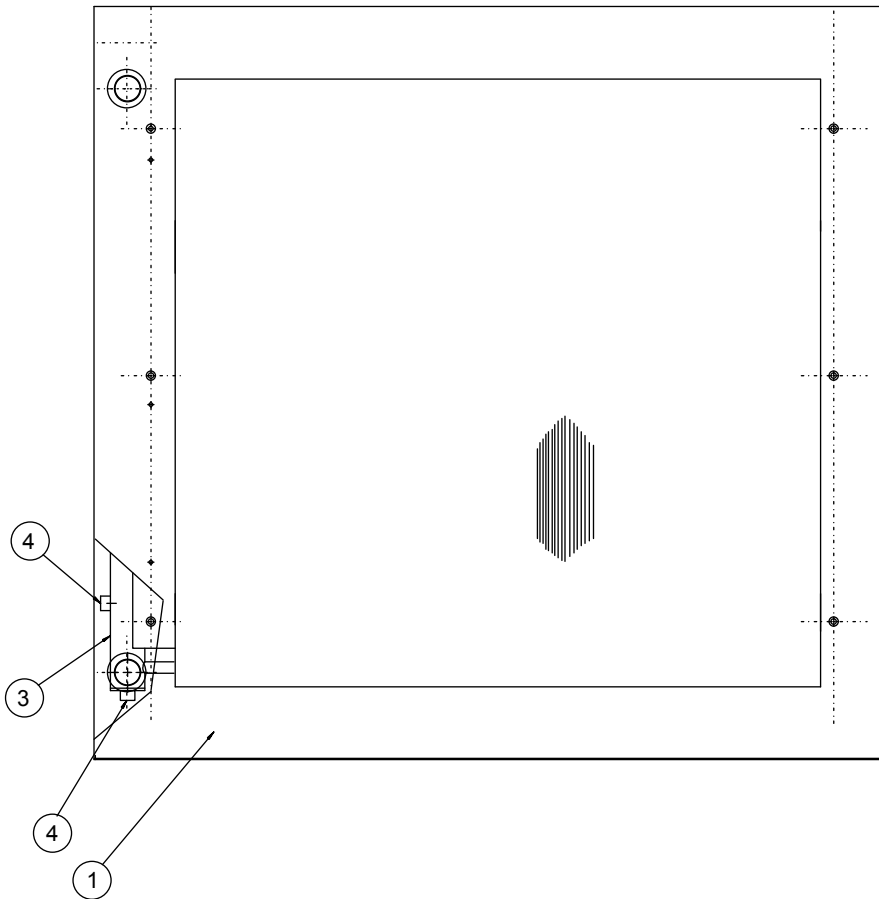
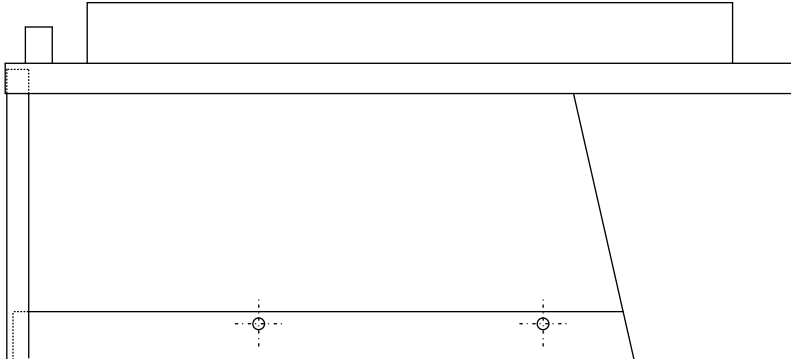
DH150B THREE PHASE HEATER BOX INSTRUCTIONS

D319051 ISS 16



17.6 LPHW KIT

L.P.H.W. ASSEMBLY DH150



SA199801 LPHW ASSY				
ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
1	SD195550	BOX ASSY	1	off
3	SD170601	LPHW FIN AREA 508Hx534Wx3 ROWS	1	off
4	SD284450	1/8 BSPM BLEED VALVE (PEGLER)	2	off

17.7 DUCTING

EVAP DUCT FLANGE KIT DH150

DO NOT SCALE PRINT			3rd ANGLE PROJECTION	DRG No. D085650	
D085650					
ITEM	PART No.	DESCRIPTION	QUAN	UNITS	
001	SD085150/51	DUCT FLANGE TOP & BOTTOM	2.00	off	
002	SD085251	DUCT FLANGE SIDE	1.00	off	
003	D087650	SEALING STRIP BLK FOAM 12x4	2000.00	mm	
004	SD085250	DUCT FLANGE SIDE	1.00	off	
005	P012350	RIVET POP 4 x 8.5 LNG	12.00	off	
006	P025850	RIVET POP 4.8 x 12.7 LNG	10.00	off	

ASSEMBLE ITEMS 1,2 AND 4 TOGETHER USING ITEM 5 POP RIVETS.
 REMOVE PLUGS FROM CABINET SIDES, ENSURE GASKET ITEM 3 IS
 PLACED BETWEEN DUCT ITEM 1 (TOP AND BOTTOM) AND CABINET.
 THEN FIX DUCT FLANGE INTO POSITION USING ITEM 6 RIVETS.

5	SH 2, 3 NOW ON CAD	949	JAC	17:9:97	ALL SHARP EDGES AND BURRS TO BE REMOVED	IF IN DOUBT ASK					
4	SH 2, 3 NOTE 5 ADDED	357		22:9:87		INSPECTION LEVEL		DIMS			
3	ITEM 4 ADDED	334		27:4:87		TOLERANCE UNLESS SPECIFIED					
2	NOTE ADDED			19:2:85		HOLES TO BS 4500 E12					
1	AS DRAWN			4:10:84		FINISH					
ISS		C/N	APPD	DATE							
DRAWING CHANGE											
CALOREX HEAT PUMPS LTD					DRAWN GSM	CHECKED	APPD	DATE	SCALE	SHT No 1	CONT' 2
U.C.C.					DRG No. D085650						

EVAP DUCT FLANGE KIT DH300

DO NOT SCALE PRINT 3rd ANGLE PROJECTION DRG No. **D085651**

D085651				
ITEM	PART No.	DESCRIPTION	QUAN	UNITS
001	D187351	DUCT FLANGE TOP	1.00	off
002	D187451	DUCT FLANGE BOTTOM	1.00	off
003	D187750	DUCT FLANGE SIDE L/H	1.00	off
004	D187751	DUCT FLANGE SIDE R/H	1.00	off
005	P012350	RIVET POP 4 x 8.5 LNG	8.00	off

1. ASSEMBLE ITEMS 1,2,3 AND 4 USING ITEM 5 POP RIVETS SUPPLIED.
2. REMOVE PLASTIC CAPS AND SCREWS FROM CABINET INLET GRILLE (DO NOT REMOVE GRILLE).
3. POSITION DUCT FLANGE OVER INLET GRILLE AND RELOCATE WITH EXISTING SCREWS THROUGH DUCT AND GRILLE HOLES TO CABINET.
4. REPLACE PLASTIC CAPS.
5. VARIHEAT/DEHUMIDIFIER MACHINES - AIR SAMPLING TUPE TO BE FITTED TO CUSTOMER DUCTING, SEE BELOW.

ALL SHARP EDGES AND BURRS TO BE REMOVED

				IF IN DOUBT ASK		
				INSPECTION LEVEL		DIMS
				TOLERANCE UNLESS SPECIFIED		
				HOLES TO BS 4500 E12		
				FINISH		
DRAWING CHANGE						
© CALOREX HEAT PUMPS LTD U.C.C.						
		949	JAC	16:09:97		
ISS		C/N	APPD	DATE		
TITLE		DUCT FLANGE ASSEMBLY INSTRUCTIONS				
MATERIAL						
DRAWN	CHECKED	APPD	DATE	SCALE	SHT No	CONTR
JAC			17:09:97	NTS	2	A3
DRG No. D085651						

EVAP DUCT FLANGE KIT DH600

DO NOT SCALE PRINT	3rd ANGLE PROJECTION	DRG No. D085652
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D085652				
ITEM	PART No.	DESCRIPTION	QUAN	UNITS
001	D187550	CENTRE BRACKET	1.00	off
002	D187350	DUCT FLANGE TOP	1.00	off
003	D187450	DUCT FLANGE BOTTOM	1.00	off
004	D187250	DUCT FLANGE SIDE L/H	1.00	off
005	D187251	DUCT FLANGE SIDE R/H	1.00	off
006	P012350	RIVET POP 4 x 8.5 LNG	12.00	off

1. ASSEMBLE ITEMS 1,2,3,4 AND 5 USING ITEM 6 POP RIVETS SUPPLIED.
2. REMOVE PLASTIC CAPS AND SCREWS FROM CABINET INLET GRILLE (DO NOT REMOVE GRILLE).
3. POSITION DUCT FLANGE OVER INLET GRILLE AND RELOCATE WITH EXISTING SCREWS THROUGH DUCT AND GRILLE HOLES TO CABINET.
4. REPLACE PLASTIC CAPS.
5. VARIHEAT/DEHUMIDIFIER MACHINES - AIR SAMPLING TUPE TO BE FITTED TO CUSTOMER DUCTING, SEE BELOW.

IN 12 POSITIONS

CUSTOMERS DUCTING

AIR SAMPLING TUBE TO BE EXTENDED AND FITTED INTO CUSTOMERS DUCTING, SEE NOTE 5.

SMALL RETURN
ON DUCT BOTTOM IF IN DOUBT ASK

ALL SHARP EDGES AND BURRS TO BE REMOVED

	INSPECTION LEVEL		DIMS
TITLE	TOLERANCE UNLESS SPECIFIED		
DUCT FLANGE ASSEMBLY INSTRUCTIONS	HOLES TO BS 4500 E12		
MATERIAL	FINISH		
DRAWN	CHECKED	APPD	DATE
JAC			17:09:97
SCALE	SHT No	CONT'	
NTS	3		

DRAWING CHANGE	949	JAC	19:09:97
	C/N	APPD	DATE

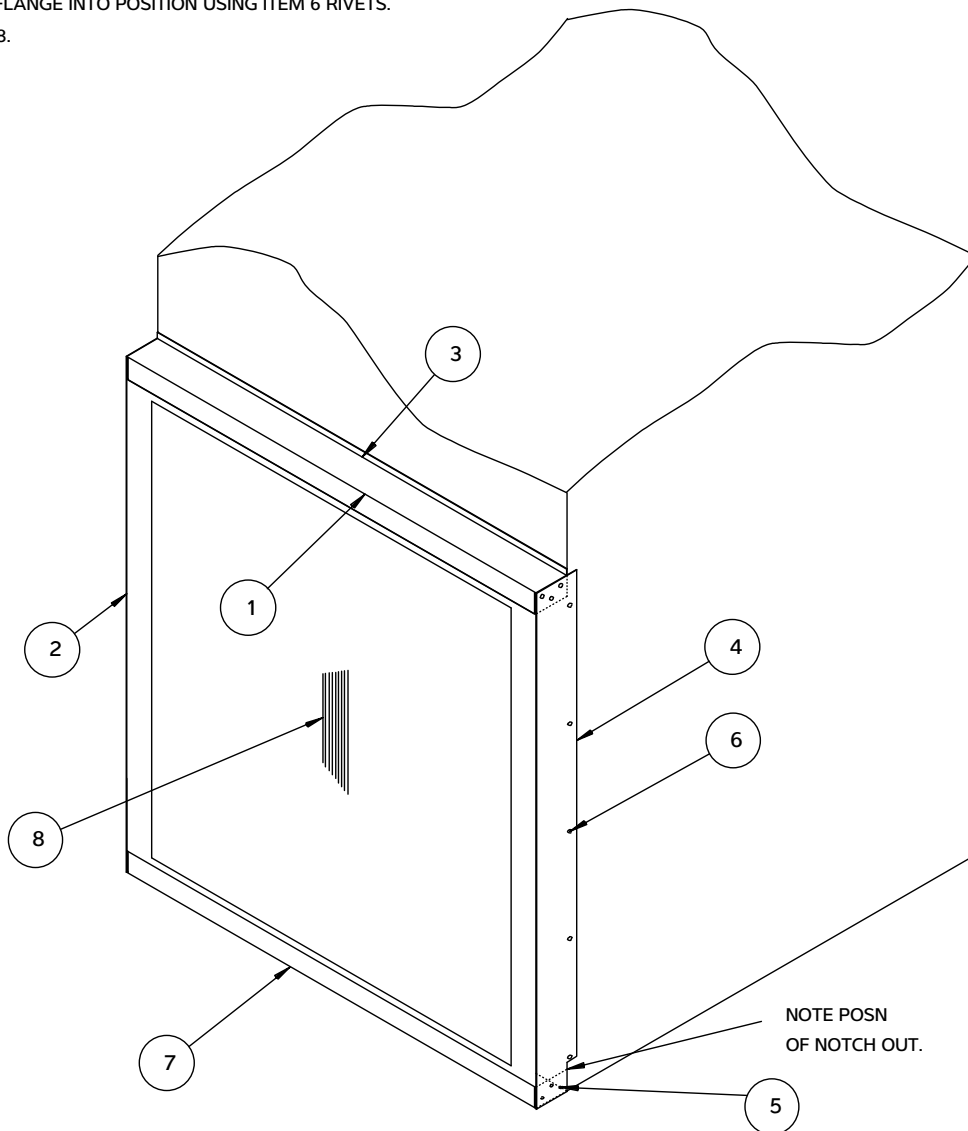
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U.C.C

DRG No. D085652

FILTER SPARES DH150

FILTER FITTING INSTRUCTIONS				
ITEM	PART No.	DESCRIPTION	QUAN	UNITS
001	SD175750	FILTER BRACKET	1.00	off
002	SD085251	DUCT FLANGE SIDE	1.00	off
003	D087650	SEALING STRIP BLK FOAM 12x4	1320.00	mm
004	SD085250	DUCT FLANGE SIDE	1.00 <td off	
005	P012350	RIVET POP 4 x 8.5 LNG	12.00	off
006	P025850	RIVET POP 4.8 x 12.7 LNG	10.00	off
007	SD175850	FILTER BRACKET	1.00	off
008	SD197150	FILTER 24 X 24 X 2 WITH SPARE	2.00	off

ASSEMBLE ITEMS 1,2, 4 AND 7 TOGETHER USING ITEM 5 POP RIVETS.
 REMOVE PLUGS FROM CABINET SIDES, ENSURE GASKET ITEM 3 IS
 PLACED BETWEEN DUCT ITEM 1 (TOP AND BOTTOM) AND CABINET.
 THEN FIX DUCT FLANGE INTO POSITION USING ITEM 6 RIVETS.
 FIT FILTER ITEM 8.

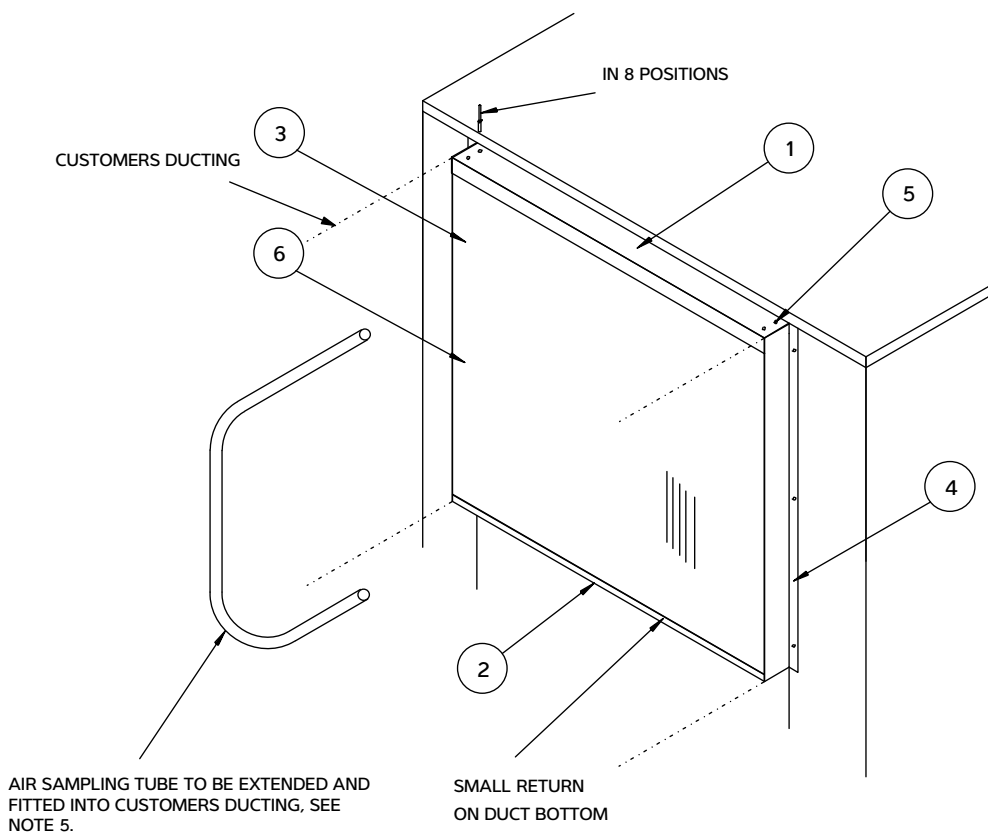


PART NUMBER FOR SPARE FILTERS SD197003

FILTER SPARES DH300

FILTTER FITTING INSTRUCTIONS				
ITEM	PART No.	DESCRIPTION	QUAN	UNITS
001	D187351	DUCT FLANGE TOP	1.00	off
002	D187451	DUCT FLANGE BOTTOM	1.00	off
003	D187750	DUCT FLANGE SIDE L/H	1.00	off
004	D187751	DUCT FLANGE SIDE R/H	1.00	off
005	P012350	RIVET POP 4 x 8.5 LNG	8.00	off
006	SD197152	27" x 29" x 2" FILTER (WITH SPARE)	2.00	off

1. ASSEMBLE ITEMS 1,2,3 AND 4 USING ITEM 5 POP RIVETS SUPPLIED.
2. REMOVE PLASTIC CAPS AND SCREWS FROM CABINET INLET GRILLE (DO NOT REMOVE GRILLE).
3. POSITION DUCT FLANGE WITH FILTER OVER INLET GRILLE AND RELOCATE WITH EXISTING SCREWS THROUGH DUCT AND GRILLE HOLES TO CABINET.
4. REPLACE PLASTIC CAPS.
5. AIR SAMPLING TUPE TO BE FITTE D TO CUSTOMER DUCTING, SEE BELOW.
6. FIT FILTER INTO FRAME.



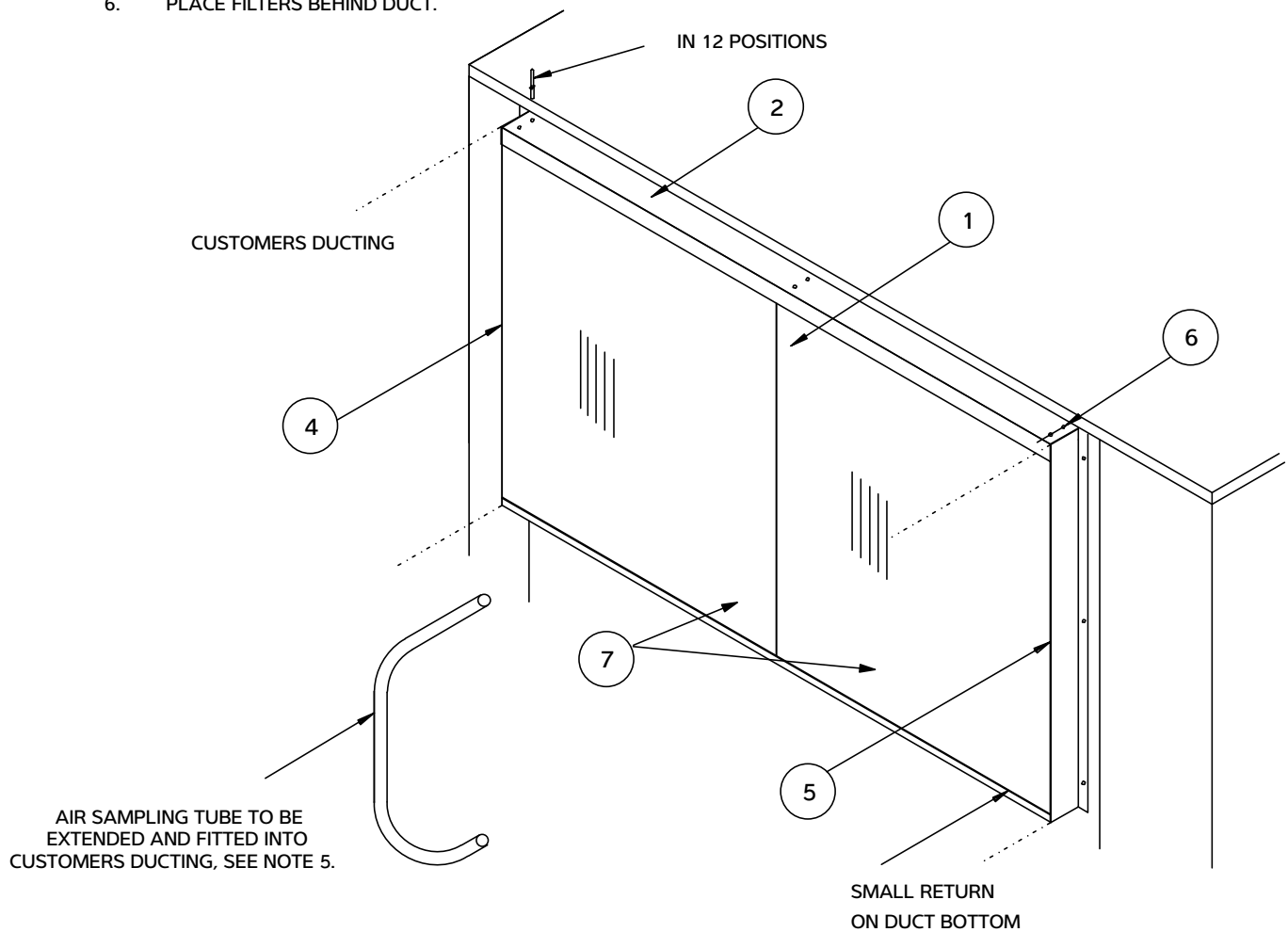
PART NUMBER FOR SPARE FILTERS IS SD199002

FILTER SPARES DH600

FRONT ACCESS FILTER KIT

FILTER FITTING INSTRUCTIONS				
ITEM	PART No.	DESCRIPTION	QUAN	UNITS
001	D187550	CENTRE BRACKET	1.00	off
002	D187350	DUCT FLANGE TOP	1.00	off
003	D187450	DUCT FLANGE BOTTOM	1.00	off
004	D187250	DUCT FLANGE SIDE L/H	1.00	off
005	D187251	DUCT FLANGE SIDE R/H	1.00	off
006	P012350	RIVET POP 4 x 8.5 LNG	12.00	off
007	SD197153	26" x 31" x 2" FILTER (WITH SPARE)	4.0	off

1. ASSEMBLE ITEMS 1,2,3,4 AND 5 USING ITEM 6 POP RIVETS SUPPLIED.
2. REMOVE PLASTIC CAPS AND SCREWS FROM CABINET INLET GRILLE (DO NOT REMOVE GRILLE).
3. POSITION DUCT FLANGE OVER INLET GRILLE AND RELOCATE WITH EXISTING SCREWS THROUGH DUCT AND GRILLE HOLES TO CABINET.
4. REPLACE PLASTIC CAPS.
5. VARIHEAT/DEHUMIDIFIER MACHINES - AIR SAMPLING TUBE TO BE FITTED TO CUSTOMER DUCTING, SEE BELOW.
6. PLACE FILTERS BEHIND DUCT.



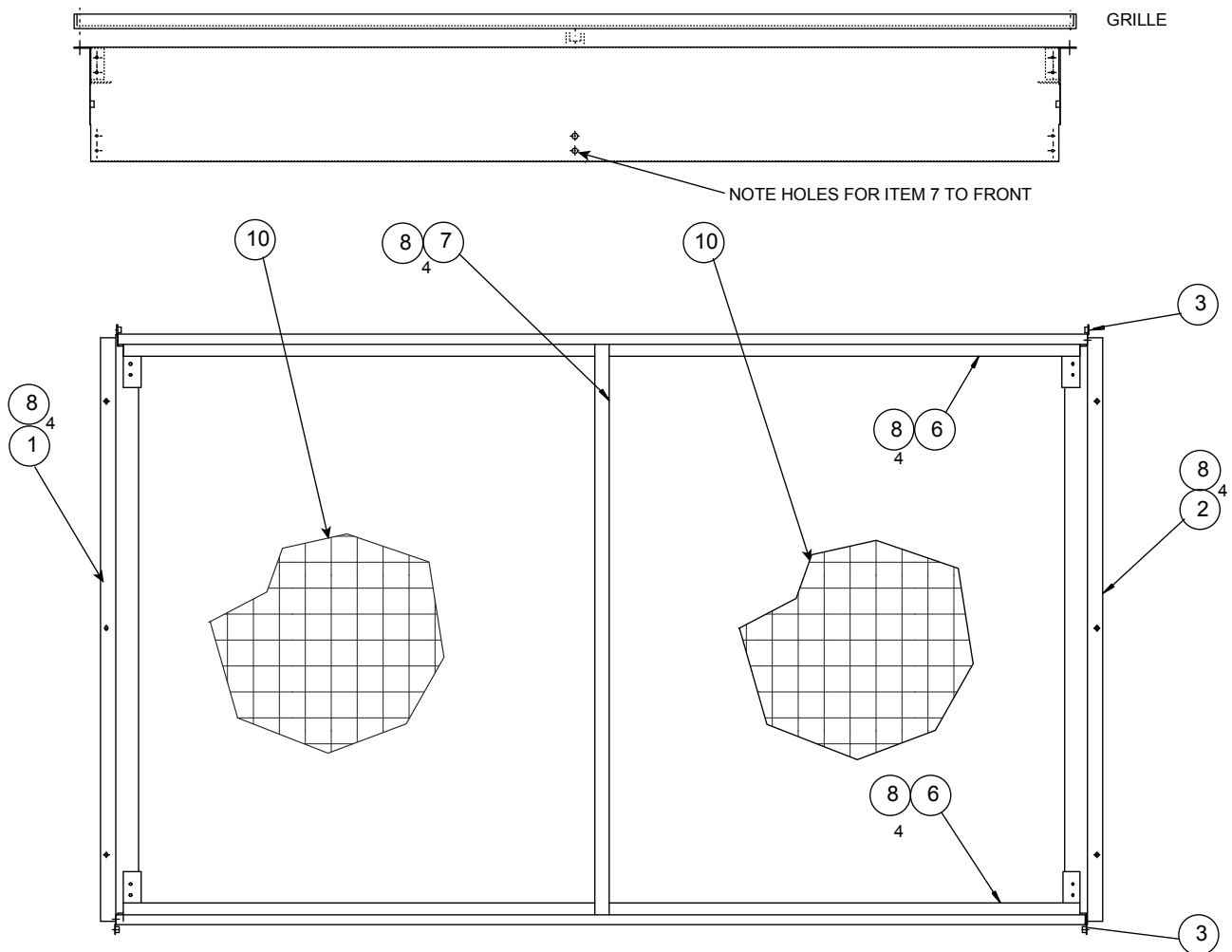
PART NUMBER FOR SPARE FILTERS IS SD199102

SIDE ACCESS FILTER KIT

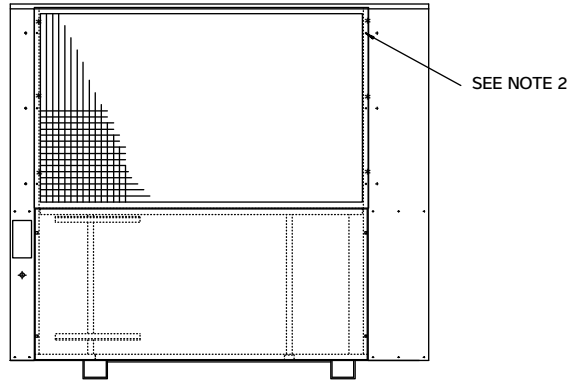
D085653				
ITEM	PART No.	DESCRIPTION	QUAN	UNITS
1	D320454	DUCT FIXING FLANGE SIDE	1.00	off
2	D320455	DUCT FIXING FLANGE SIDE	1.00	off
3	D309907	INLET DUCT FLANGE TOP/BOTTOM	2.00	off
4	D309856	INLET DUCT FLANGE	2.00	off
5	SD310158	FILTER ACCESS PANEL	2.00	off
6	D310057	FILTER BRACKET	2.00	off
7	D649750	BRACE	1.00	off
8	P012350	RIVET POP DIA 4 x 8.5 LNG	28.00	off
9	P018650	SCREW M5x16 POZI PAN HEAD	4.00	off
10	SD197153	FILTER 26 x 31 x 2 INS	4.00	off

NOTES.

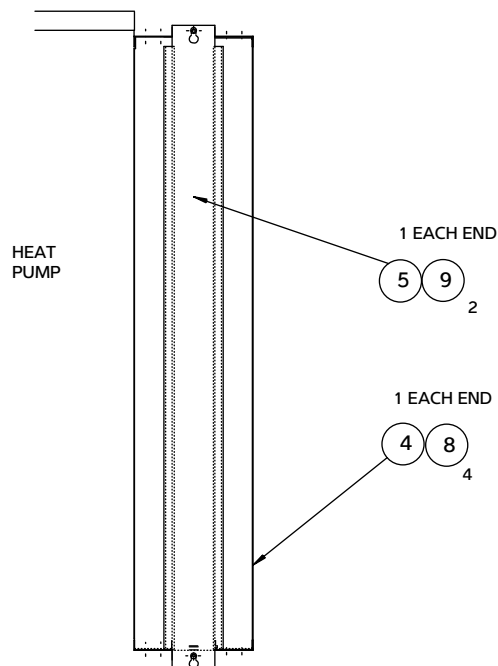
1. ASSEMBLE ITEMS 1-4, 6 AND 7 USING ITEM 8 POP RIVETS SUPPLIED.



2. REMOVE PLASTIC CAPS AND SCREWS FROM CABINET INLET GRILLE (BUT NOT THE GRILLE)
3. POSITION ASSEMBLED DUCT FLANGE OVER INLET GRILLE AND RELOCATE WITH EXISTING SCREWS THROUGH DUCT AND GRILLE HOLES TO CABINET.
4. REPLACE PLASTIC CAPS.



5. FIT FILTERS ITEM 10.
6. FIT FILTER ACCESS PANELS ITEM 5 SECURE WITH ITEM 9.
7. FIT AIR SAMPLING TUBE INTO THE CUSTOMERS DUCTING.
8. IF ACCESS IS NOT AVAILABLE TO BOTH SIDES OF THE MACHINE, TAPE THE FILTERS TOGETHER TO AID REMOVAL



PART NUMBER FOR SPARE FILTERS IS SD199102

DH300 CONDENSATE PUMP KIT SPARES AND INSTRUCTIONS

IN DOUR TASK
DRG No. SA275003

UNCONTROLLED WHEN PRINTED
DO NOT SCALE PRINT

ASSEMBLY INSTRUCTIONS

- REMOVE WIRE COVER FROM PUMP
- DISCONNECT MAINS LEAD PLUG LEADS TO HIGH LEVEL SWITCH AND REMOVE FROM PUMP UNIT
- REMOVE CONDUIT BRACKET, TURNIT AROUND AND FIT IT TO ACCOMMODATE CONDUIT ADAPTOR (ITEM No. 008)
- REMOVE CONDUIT BRACKET FROM PUMP AND FIT IT TO THE MAIN TANK TO ACCOMMODATE CONDUIT ADAPTOR (ITEM No. 008)
- REMOVE PUMP TANK (BLUE TANK) AND CASE NUTS TO BRACKET (ITEM No. 001) AND BERT TO PUMPS
- DRILL PUMP TANK (BLUE TANK) AND CASE NUTS TO BRACKET (ITEM No. 001) AND BERT TO PUMPS
- DRILL PUMP TANK (BLUE TANK) AND CASE NUTS TO BRACKET (ITEM No. 001) AND BERT TO PUMPS
- LOCATE PUMP ASSEMBLY INTO LARGE TANK (ITEM No. 001) AND DRILL THRU BRTS FOR PUMPS AS SHOWN
- FIT PIPE (ITEM No. 007) ONTO HOSE TAIL ON PUMP AND SECURE THRU PIPE CLIP (ITEM No. 023) AS SHOWN
- FIT HOSE (ITEM No. 007) TO DRIP TRAY STUB AND SECURE WITH CLAMP (AS PER MACHINE SHOP BUILD)
- FIT HOSE (ITEM No. 007) TO OVERHEAD OF DAMPRAM PLATE STRENGTHENER AND USE TO SUPPORT HOSE FROM DRIP TRAY
- NOTE THAT THE HOSE FROM THE DRIP TRAY SHOULD FORM A LOOP BELOW THE HEIGHT OF THE PUMP KIT MAIN TANK TO FORM A TRAP AND RETURN SOME CONDENSATE WATER
- REMOVE GROMMET FROM CONDUIT ADAPTOR OF ELECTRIC BOX AND FIT CONDUIT ADAPTOR FROM PUMP KIT
- WIRE AS ACCORDANCE WITH:

SIDE VIEW OF PUMP WITH BLUE TANK REMOVED

BRITISH STANDARDS BS 6858 PART 1: 2000

BRITISH STANDARDS BS 6858 PART 2: 2000

BRITISH STANDARDS BS 6858 PART 3: 2000

BRITISH STANDARDS BS 6858 PART 4: 2000

BRITISH STANDARDS BS 6858 PART 5: 2000

BRITISH STANDARDS BS 6858 PART 6: 2000

BRITISH STANDARDS BS 6858 PART 7: 2000

BRITISH STANDARDS BS 6858 PART 8: 2000

BRITISH STANDARDS BS 6858 PART 9: 2000

BRITISH STANDARDS BS 6858 PART 10: 2000

BRITISH STANDARDS BS 6858 PART 11: 2000

BRITISH STANDARDS BS 6858 PART 12: 2000

BRITISH STANDARDS BS 6858 PART 13: 2000

BRITISH STANDARDS BS 6858 PART 14: 2000

BRITISH STANDARDS BS 6858 PART 15: 2000

BRITISH STANDARDS BS 6858 PART 16: 2000

BRITISH STANDARDS BS 6858 PART 17: 2000

BRITISH STANDARDS BS 6858 PART 18: 2000

BRITISH STANDARDS BS 6858 PART 19: 2000

BRITISH STANDARDS BS 6858 PART 20: 2000

BRITISH STANDARDS BS 6858 PART 21: 2000

BRITISH STANDARDS BS 6858 PART 22: 2000

BRITISH STANDARDS BS 6858 PART 23: 2000

BRITISH STANDARDS BS 6858 PART 24: 2000

BRITISH STANDARDS BS 6858 PART 25: 2000

BRITISH STANDARDS BS 6858 PART 26: 2000

BRITISH STANDARDS BS 6858 PART 27: 2000

BRITISH STANDARDS BS 6858 PART 28: 2000

BRITISH STANDARDS BS 6858 PART 29: 2000

BRITISH STANDARDS BS 6858 PART 30: 2000

BRITISH STANDARDS BS 6858 PART 31: 2000

BRITISH STANDARDS BS 6858 PART 32: 2000

BRITISH STANDARDS BS 6858 PART 33: 2000

BRITISH STANDARDS BS 6858 PART 34: 2000

BRITISH STANDARDS BS 6858 PART 35: 2000

BRITISH STANDARDS BS 6858 PART 36: 2000

BRITISH STANDARDS BS 6858 PART 37: 2000

BRITISH STANDARDS BS 6858 PART 38: 2000

BRITISH STANDARDS BS 6858 PART 39: 2000

BRITISH STANDARDS BS 6858 PART 40: 2000

ELECTRICAL CONNECTIONS

ELECTRICAL CONNECTIONS

LOOP PIPE FROM DRIP TRAY BELOW THE HEIGHT OF THE MAIN TANK TO FORM A CONDENSATE TRAP

CONDENSATE DRAIN TANK CONNECTOR AS SHOWN

ELECTRIC BOX

CONDUIT FROM PUMP KIT

MACHINE BASE

REMOVE GROMMET INDICATED FROM CONDUIT ADAPTOR FROM PUMP KIT

HOLES TO BE DRILLED IN BLUE TANK (SUPPLIED AS PART OF PUMP)

TO DRAIN OUTLET (PUMPED)

UNRESISTANT AND TURN AROUND TO ACCOMMODATE CONDUIT ADAPTOR (ITEM No. 008) THEN RE-ATTACH TO PUMP

HOSE TO REMAIN CLEAR FIT HOSE ONTO PUMP OUTLET HOSE TAIL

DRILL TANK FLANGE THRU/BRT HOLES USING A DIA. 5.60mm DRILL SECURE BRACKET TO TANK USING SCREWS / NUTS

LOCATE BRACKET AS SHOWN

BRITISH STANDARDS BS 6858 PART 1: 2000

BRITISH STANDARDS BS 6858 PART 2: 2000

BRITISH STANDARDS BS 6858 PART 3: 2000

BRITISH STANDARDS BS 6858 PART 4: 2000

BRITISH STANDARDS BS 6858 PART 5: 2000

BRITISH STANDARDS BS 6858 PART 6: 2000

BRITISH STANDARDS BS 6858 PART 7: 2000

BRITISH STANDARDS BS 6858 PART 8: 2000

BRITISH STANDARDS BS 6858 PART 9: 2000

BRITISH STANDARDS BS 6858 PART 10: 2000

BRITISH STANDARDS BS 6858 PART 11: 2000

BRITISH STANDARDS BS 6858 PART 12: 2000

BRITISH STANDARDS BS 6858 PART 13: 2000

BRITISH STANDARDS BS 6858 PART 14: 2000

BRITISH STANDARDS BS 6858 PART 15: 2000

BRITISH STANDARDS BS 6858 PART 16: 2000

BRITISH STANDARDS BS 6858 PART 17: 2000

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BRITISH STANDARDS BS 6858 PART 34: 2000

BRITISH STANDARDS BS 6858 PART 35: 2000

BRITISH STANDARDS BS 6858 PART 36: 2000

BRITISH STANDARDS BS 6858 PART 37: 2000

BRITISH STANDARDS BS 6858 PART 38: 2000

BRITISH STANDARDS BS 6858 PART 39: 2000

BRITISH STANDARDS BS 6858 PART 40: 2000

MACHINE FITTING DETAIL

DRIP TRAY

TO DRAIN OUTLET (PUMPED)

UNRESISTANT AND TURN AROUND TO ACCOMMODATE CONDUIT ADAPTOR (ITEM No. 008) THEN RE-ATTACH TO PUMP

HOSE TO REMAIN CLEAR FIT HOSE ONTO PUMP OUTLET HOSE TAIL

DRILL TANK FLANGE THRU/BRT HOLES USING A DIA. 5.60mm DRILL SECURE BRACKET TO TANK USING SCREWS / NUTS

LOCATE BRACKET AS SHOWN

BRITISH STANDARDS BS 6858 PART 1: 2000

BRITISH STANDARDS BS 6858 PART 2: 2000

BRITISH STANDARDS BS 6858 PART 3: 2000

BRITISH STANDARDS BS 6858 PART 4: 2000

BRITISH STANDARDS BS 6858 PART 5: 2000

BRITISH STANDARDS BS 6858 PART 6: 2000

BRITISH STANDARDS BS 6858 PART 7: 2000

BRITISH STANDARDS BS 6858 PART 8: 2000

BRITISH STANDARDS BS 6858 PART 9: 2000

BRITISH STANDARDS BS 6858 PART 10: 2000

BRITISH STANDARDS BS 6858 PART 11: 2000

BRITISH STANDARDS BS 6858 PART 12: 2000

BRITISH STANDARDS BS 6858 PART 13: 2000

BRITISH STANDARDS BS 6858 PART 14: 2000

BRITISH STANDARDS BS 6858 PART 15: 2000

BRITISH STANDARDS BS 6858 PART 16: 2000

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BRITISH STANDARDS BS 6858 PART 36: 2000

BRITISH STANDARDS BS 6858 PART 37: 2000

BRITISH STANDARDS BS 6858 PART 38: 2000

BRITISH STANDARDS BS 6858 PART 39: 2000

BRITISH STANDARDS BS 6858 PART 40: 2000

MATERIAL		FINISH	
DRILL TANK FLANGE THRU/BRT HOLES USING A DIA. 5.60mm DRILL		LOCATE BRACKET AS SHOWN	
SECURE BRACKET / PUMP AS SHOWN TO TANK USING SCREWS / NUTS		DRILL TANK FLANGE THRU/BRT HOLES USING A DIA. 5.60mm DRILL	
TOLEBRANCE UNLESS SPECIFIED		SECURE BRACKET / PUMP AS SHOWN TO TANK USING SCREWS / NUTS	
GEN. 4: 200		DRILL TANK FLANGE THRU/BRT HOLES USING A DIA. 5.60mm DRILL	
HOLES TO BS-4100 E1.2		SECURE BRACKET / PUMP AS SHOWN TO TANK USING SCREWS / NUTS	
INSPECTION LEVEL		DRILL TANK FLANGE THRU/BRT HOLES USING A DIA. 5.60mm DRILL	
		SECURE BRACKET / PUMP AS SHOWN TO TANK USING SCREWS / NUTS	

TITLE		SCALE	
CONDENSATE PUMP KIT		NTS	
DR300 INTERNALLY FITTED		02/07/12	
INSPECTION LEVEL		DATE	
		APPROVED	
		DRAWN	
		CONT	
		SHEET	
		NO.	
		DATE	

DRG No. SA275003

ASSY No SA275003 AT ISS 1 (27/07/12) CONDENSATE PUMP KIT FOR DH300				
ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
1	SD336001	CONDENSATE PUMP UNIT	1	off
2	SD346350	WATER TANK 18 LITRES	1	off
3	D334750	MOUNTING BRACKET	1	off
4	D533050	SUPPORT BRACKET	1	off
5	SD180250	FILTER AIR POLYUREATHANE 20PPI 6mm THK	1	off
6	SP111050	HOSE CLEAR 16mm ID	1.5	m
7	SP076050	FLEXIBLE PIPE CLEAR PVC 10mm I/D	1.5	m
8	D053650	CONDUIT END ADAPTER (20mm)	2	off
9	D053550	CONDUIT 20mmODx15ID FLEXIBLE GREY	1.15	m
10	P081650	WIRE 1.0mm GREEN/YELLOW	1.7	m
11	P081550	WIRE 1.0mm BROWN	1.65	m
12	P109350	WIRE 1.0mm BLACK	1.45	m
13	P031850	WIRE 0.5mm VIOLET	2.9	m
14	P036052	WIRE PIN FLARED ENTRY RED	4	off
15	P092250	0.187 PUSH ON FLARED ENTRY RED	2	off
16	D334950	TERMINAL PUSH ON (0.110)	1	off
17	P036550	TERMINAL CLOSED END CONNECTOR	1	off
18	P028851	RING M4 FLARED ENTRY BLUE	1	off
19	P077051	RING M5 FLARED ENTRY BLUE	1	off
20	P017750	CABLE TIE 5mm x 380mm LONG	4	off
21	P017751	CABLE TIE 2.5mm x 100mm LONG	3	off
22	D022450	PIPE CLIP 15mm WHITE	1	off
23	D022451	PIPE CLIP 22mm WHITE	2	off
24	SD110156	HOSE CLIP S/STEEL SIZE 20	1	off
25	A623901	DRAIN PIPE ASSY	1	off
26	P532951	INSTRUCTION SHEET	1	off
27	P015651	No 8 x 3/4 SELF TAPPING SCREW	1	off
28	P574450	M5 CAP RING COMPLETE (GREY)	2	off
29	D610650	CAGE NUT M5	2	off
30	P080251	SCREW POSI PAN HEAD M3 x 20	1	off
31	P069650	M3 HALF NUT	1	off
32	P080350	WASHER SPRING M3	1	off
33	P316351	SCREW POZI PAN M4 x 20	1	off
34	P011950	M4 FULL NUT (PLATED)	1	off
35	P012250	WASHER SPRING M4	1	off
36	P018650	SCREW M5x16 POZI PAN HEAD	8	off
37	P020950	M5 FULL NUT (PLATED)	4	off
38	P020750	WASHER PLAIN M5	2	off

DH600 CONDENSATE PUMP KIT SPARES AND INSTRUCTIONS

DRG No. SA64275002

IF IN DOUBT ASK

3RD ANGLE PROJECTION

DO NOT SCALE PRINT

ASSEMBLY INSTRUCTIONS

- DISCONNECT MAINS LEAD PLUS LEADS TO HIGH LEVEL SWITCH AND REMOVE FROM PUMP UNIT.
- REMOVE CONDUIT BRACKET TURN IT AROUND AND REFIT TO ACCOMMODATE CONDUIT BUSH ITEM 6.
- FIT ALL NEW WIRES ETC AS PER WIRING DIAGRAM ABOVE.
- FIT FILTER BUSH TO PUMP WITH CABLE TIES AS SHOWN. FIT FILTER MATERIAL INTO FILTER BUSH AS SHOWN.
- FIT TANK TO BRACKET ITEM 3.
- LOCATE TANK ASSEMBLY INTO LARGE TANK ITEM 2, AND DRILL THROUGH BRACKET FOR FIXINGS AS SHOWN.
- GLUE ITEMS 17 TO 21 TOGETHER WITH PVC-U CEMENT ITEM 32 IN SEQUENCE AS SHOWN.
- CHAMFERED END OF HOSE ITEM 22 MUST BE LOCATED INTO BLUE TANK. THE OTHER END MUST BE LOCATED INTO MACHINE UNIT. RELEVANT WIRING DIAGRAM --
- ASSEMBLED UNIT TO BE CONNECTED TO MACHINE WITH REF TO RELEVANT WIRING DIAGRAM --

DH400850 - 04/20/9850
DH400851 - 04/20/9851

THIS UNIT MUST NOT BE USED OUTSIDE OF A BUILDING IN THE OPEN AIR

ISS	C/N	APPD	DATE

TITLE	CONDENSATE PUMP KIT
DRG No. SA64275002	DRG No. SA64275002
ALL SHIP EDGES AND BURS TO BE REMOVED	
CONT. DRAWN	
DATE	
SCALE	

colorex
CALOREX HEAT PUMPS LTD
U.K.C.

ASSY No SA275002 AT ISS 5 (27/10/2011). CONDENSATE PUMP KIT FOR DH600				
ITEM NO.	PART No.	DESCRIPTION	QUAN	UNITS
1	SD336001	CONDENSATE PUMP UNIT	1	off
2	SD346350	WATER TANK 18 LITRES	1	off
3	D334750	MOUNTING BRACKET	1	off
4	SP076050	FLEXIBLE PIPE CLEAR PVC 10mm I/D	5	m
5	D053751	SADDLE PLASTIC	1	off
6	D053650	CONDUIT END ADAPTER (20mm)	2	off
7	D053550	CONDUIT 20mmODx15ID FLEXIBLE GREY	2	m
8	P081650	WIRE 1.0mm GREEN/YELLOW	2.5	m
9	P081550	WIRE 1.0mm BROWN	2.55	m
10	P109350	WIRE 1.0mm BLACK	2.55	m
11	P031850	WIRE 0.5mm VIOLET	5.4	m
12	P036052	WIRE PIN FLARED ENTRY RED	4	off
13	P117850	RING M8 FLARED ENTRY BLUE	1	off
14	P092250	0.187 PUSH ON FLARED ENTRY RED	2	off
15	P036550	TERMINAL CLOSED END CONNECTOR	1	off
16	P077051	RING M5 FLARED ENTRY BLUE	1	off
17	SD466755	SOCKET PLAIN-1.5in BPSF U-PVC	1	off
18	SD324650	REDUCING BUSH 1 1/2Mx1F PVC-U	1	off
19	SD324651	REDUCING BUSH 1M X 1/2F PVC-U	1	off
20	SD203950	PIPE PVC-U NOMINAL DIA 1/2IN	0.03	m
21	SD216450	PVC-U PIPE NOMINAL DIA 3/8 GREY	0.06	m
22	SP111050	HOSE CLEAR 16mm ID	2	m
23	SP111150	HOSE CLAMP	1	off
24	D335750	ANGLE BRACKET	1	off
25	SD180250	FILTER AIR POLYUREATHANE 20PPI 6mm THK		off
26	P017750	CABLE TIE 5mm x 380mm	4	off
27	P017751	CABLE TIE 2.5mm x 100mm LONG 4 off	4	off
28	P018650	SCREW M5x16 POZI PAN HEAD	6	off
29	P020950	M5 FULL NUT (PLATED)	4	off
30	P015654	SCREW SELF TAP No.8x3/8	1	off
31	P020750	WASHER PLAIN M5	2	off
32	SP197253	PVC-U SOLVENT CEMENT	0.1	l
33	D334950	TERMINAL PUSH ON (0.110)	1	off
34	P532950	INSTRUCTION SHEET	1	off
35	D533050	SUPPORT BRACKET	1	off



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