MARSTAIR
REFRIGERATION AND SPECIALIST AIR CONDITIONING

CC 600 & CC 875 CO2 EVAPORATOR & HOT GAS HEATING MANUAL

55508086-09

GENERAL

1. TEV Ltd recommend that personnel working on this equipment be skilled and fully conversant with the appropriate Air Conditioning, Refrigeration and Electrical practices and have sound knowledge of current Industrial Safe Working practices.

2. These units are supplied with a holding charge of oxygen free nitrogen.
Do not open the valves until the system is fully installed.

3. These units contain live electrical components, moving parts and refrigerant under pressure.
Always site out of reach of children and protect from vandalism.

4. The data plate only gives information for the indoor unit.

5. Evaporator tested to 120 bar pressure.

6. Evaporator max operating pressure 90 bar

7. Appropriate safety devices must be fitted to ensure maximum operating pressure is not exceeded.

8. Hot gas heating tested to 140 bar

9. Hot gas heating max operating pressure 120 bar

PART NUMBERS

MODEL	UNIT	UNIT		FASCIA	
		Cooling	Heating	AIR CONDITIONING	LOW TEMPERATURE
C+H 875 – 40	55533007	1 row	1 row	55522000	55533102
C+H 875 – 80	55533014	2 row	2 row	55522000	55533102
H 875 – 110	55533015	-	3 row	55522000	55533102
C 875 – 140	55533017	4 row	-	55222000	55222102
C 600 – 20	55233006	1 row	-	55222000	55222102
C+H 600 - 20	55233007	1 row	1 row	55222000	55222102

FEATURES AND OPTIONS

	875	600
DE-ICE THERMOSTAT / SENSOR	STD	STD
3 FAN SPEED COMBINATIONS	STD	STD
REMOTE HARD WIRED CONTROL	STD	STD
CONDENSATE PUMP	STD	STD
FILTER	STD	STD
ELECTRIC HEATER	*	*
ADJACENT ROOM SPIGOT	*	*
FRESH AIR SPIGOT	*	*
FOAM BLANKING KIT	*	*
(*) = OPTION STD = Fitted as standard		

PERFORMANCE FIGURES COOLING

CC600

FAN SPEED	MODEL	AIR ON °C	HUMIDITY 75% RH	EVAPORATING TEMPERATURE °C											
				-2.5		0		2.5		5		7		7.5	
				Total	Sens	Total	Sens	Total	Sens	Total	Sens	Total	Sens	Total	Sens
LOW	20	5	75	0.86	0.66	0.33	0.33	-	-	-	-	-	-	-	-
		10	75	1.7	1.1	1.3	0.9	0.86	0.66	-	-	-	-	-	-
		15	75	2.7	1.6	2.3	1.4	1.8	1.1	1.4	0.9	0.5	0.5	0.5	0.5
		20	50	3.1	2.1	2.7	1.9	2.2	1.6	1.8	1.4	1.2	1.2	1.2	1.2
		23	50	3.7	2.3	3.3	2.1	2.9	1.9	2.4	1.7	2	1.5	1.8	1.4
MEDIUM	20	5	75	0.94	0.73	0.51	0.51	-	-	-	-	-	-	-	-
		10	75	1.8	1.2	1.4	1	0.94	0.73	-	-	-	-	-	-
		15	75	2.9	1.7	2.5	1.5	2	1.2	1.5	1	1	0.7	0.5	0.5
		20	50	3.4	2.3	3	2.1	2.5	1.8	2	1.6	1.2	1.2	1.2	1.2
		23	50	4.1	2.6	3.7	2.3	3.1	2.1	2.7	1.8	2.2	1.6	2	1.6
HIGH	20	5	75	1	0.8	0.57	0.57	-	-	-	-	-	-	-	-
		10	75	2	1.3	1.6	1.1	1	0.8	-	-	-	-	-	-
		15	75	3.2	1.9	2.8	1.6	2.2	1.3	1.7	1.1	1.2	0.8	1	0.8
		20	50	3.8	2.5	3.3	2.3	2.7	2	2.2	1.7	1.5	1.5	1.5	1.5
		23	50	4.5	2.8	4	2.6	3.4	2.3	2.9	2	2.4	1.8	2.2	1.7

CC875 – 1 row

FAN SPEED	MODEL	AIR ON °C	HUMIDITY 75% RH	EVAPORATING TEMPERATURE °C											
				-2.5		0		2.5		5		7		7.5	
				Total	Sens	Total	Sens	Total	Sens	Total	Sens	Total	Sens	Total	Sens
MEDIUM	80	5	75	1.2	0.9	0.8	0.8	-	-	-	-	-	-	-	-
		10	75	2.2	1.4	1.8	1.2	1.2	0.9	0.7	0.7	-	-	-	-
		15	75	3.9	2.3	3.3	2.0	2.5	1.6	1.8	1.2	0.6	0.6	-	-
		20	50	4.5	3.0	3.9	2.7	3.1	2.2	2.2	1.8	1.5	1.5	-	-
		23	50	5.4	3.3	4.7	3.0	4.1	2.7	3.0	2.1	2.5	1.9	2.2	1.8
HIGH	80	5	75	1.5	1.2	1.0	1.0	-	-	-	-	-	-	-	-
		10	75	2.5	1.7	1.8	1.3	1.4	1.2	0.8	0.8	-	-	-	-
		15	75	4.5	2.6	3.7	2.2	2.9	1.8	2.1	1.4	1.4	1.0	-	-
		20	50	5.3	3.6	4.5	3.2	3.7	2.6	2.8	2.2	1.7	1.7	-	-
		23	50	6.4	4.0	5.6	3.5	4.5	3.1	3.7	2.5	3.0	2.2	2.8	2.2
BOOST	80	5	75	1.6	1.3	1.1	1.1	-	-	-	-	-	-	-	-
		10	75	2.9	1.8	2.3	1.6	1.6	1.3	1.0	1.0	-	-	-	-
		15	75	4.9	2.9	4.3	2.5	3.2	1.9	2.4	1.5	1.7	1.2	-	-
		20	50	5.9	3.9	5.1	3.5	4.0	2.9	3.0	2.4	2.1	2.1	-	-
		23	50	7.0	4.3	6.2	4.0	5.0	3.4	4.0	2.8	3.3	2.5	3.0	2.4

CC875 – 2 row

FAN SPEED	MODEL	AIR ON °C	HUMIDITY 75% RH	EVAPORATING TEMPERATURE °C											
				-2.5		0		2.5		5		7		7.5	
				Total	Sens	Total	Sens	Total	Sens	Total	Sens	Total	Sens	Total	Sens
MEDIUM	80	5	75	2.1	1.6	1.4	1.4	-	-	-	-	-	-	-	-
		10	75	3.8	2.5	3.1	2.1	2.1	1.6	1.2	1.2	-	-	-	-
		15	75	6.8	4	5.7	3.5	4.4	2.7	3.1	2	1.1	1.1	-	-
		20	50	7.8	5.3	6.7	4.7	5.4	3.9	3.9	3.1	2.6	2.6	-	-
		23	50	9.4	5.8	8.2	5.2	7.1	4.7	5.3	3.7	4.3	3.3	3.9	3.1
HIGH	80	5	75	2.6	2	1.7	1.7	-	-	-	-	-	-	-	-
		10	75	4.4	3	3.2	2.3	2.5	2	1.4	1.4	-	-	-	-
		15	75	7.8	4.6	6.5	3.9	5.1	3.1	3.6	2.4	2.4	1.7	-	-
		20	50	9.2	6.2	7.8	5.5	6.4	4.6	4.8	3.8	2.9	2.9	-	-
		23	50	11.1	7	9.7	6	7.9	5.4	6.5	4.3	5.3	3.8	4.8	3.8
BOOST	80	5	75	2.8	2.2	1.9	1.9	-	-	-	-	-	-	-	-
		10	75	5	3.2	4	2.7	2.8	2.2	1.8	1.8	-	-	-	-
		15	75	8.6	5.1	7.5	4.3	5.6	3.3	4.1	2.6	2.9	2	-	-
		20	50	10.2	6.7	8.8	6.1	6.9	5.1	5.3	4.1	3.6	3.6	-	-
		23	50	12.1	7.5	10.7	7	8.7	5.9	7	4.8	5.8	4.3	5.3	4.1

CC875 – 4 row

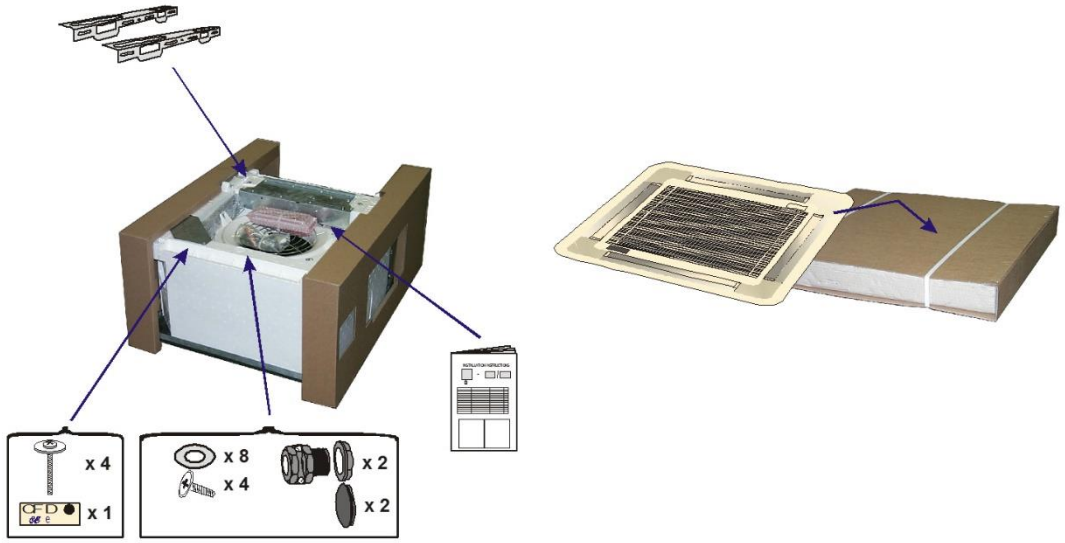
FAN SPEED	MODEL	AIR ON °C	HUMIDITY 75% RH	EVAPORATING TEMPERATURE °C											
				-2.5		0		2.5		5		7		7.5	
				Total	Sens	Total	Sens	Total	Sens	Total	Sens	Total	Sens	Total	Sens
LOW	140	5	75	2.5	1.9	1.6	1.6	-	-	-	-	-	-	-	-
		10	75	4.5	2.9	3.6	2.5	2.5	1.9	1.4	-	-	-	-	-
		15	75	8.0	4.7	6.7	4.1	5.2	3.2	3.6	2.3	1.3	1.3	1.3	1.3
		20	50	9.2	6.2	7.9	5.5	6.4	4.6	4.6	3.6	3.1	3.1	3.1	3.1
		23	50	11.0	6.8	9.6	6.1	8.4	5.5	6.2	4.4	5.1	3.9	4.6	3.6
MEDIUM	140	5	75	3.0	2.3	2.0	2.0	-	-	-	-	-	-	-	-
		10	75	5.2	3.5	3.8	2.7	2.9	2.3	1.6	-	-	-	-	-
		15	75	9.2	5.4	7.7	4.6	6.0	3.6	4.2	2.8	2.8	2.0	1.4	1.4
		20	50	10.8	7.3	9.2	6.5	7.5	5.4	5.6	4.5	3.4	3.4	3.4	3.4
		23	50	13.0	8.2	11.4	7.1	9.3	6.3	7.6	5.0	6.2	4.5	5.6	4.5
HIGH	140	5	75	3.3	2.6	2.2	2.2	-	-	-	-	-	-	-	-
		10	75	5.9	3.8	4.7	3.2	3.3	2.6	2.1	-	-	-	-	-
		15	75	10.1	6.0	8.8	5.0	6.6	3.9	4.8	3.1	3.4	2.3	2.8	2.3
		20	50	12.0	7.9	10.4	7.2	8.1	6.0	6.2	4.8	4.2	4.2	4.2	4.2
		23	50	14.2	8.8	12.6	8.2	10.2	6.9	8.2	5.6	6.8	5.1	6.2	4.8

PERFORMANCE FIGURES HEATING

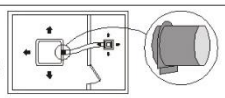
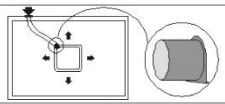
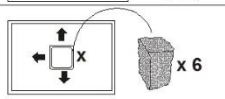
Fan Speed	CC 875 - Coil Rows				CC 600 - Coil Rows
	1	2	3	4	1
Low	2.0	5.0	6.5	7.5	1.8
Medium	3.0	7.5	9.8	11.3	2.2
High	4.0	10.0	13.0	15.0	2.7

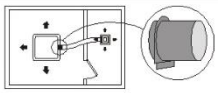
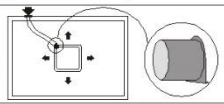
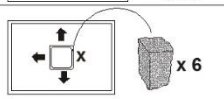
Hot Gas CO2 = 90Bar pressure, 120° Inlet, 35°C Outlet. Air inlet conditions 20°C 50% in heating.

UNPACKING / DÉBALLAGE / GERÄT AUSPACKEN



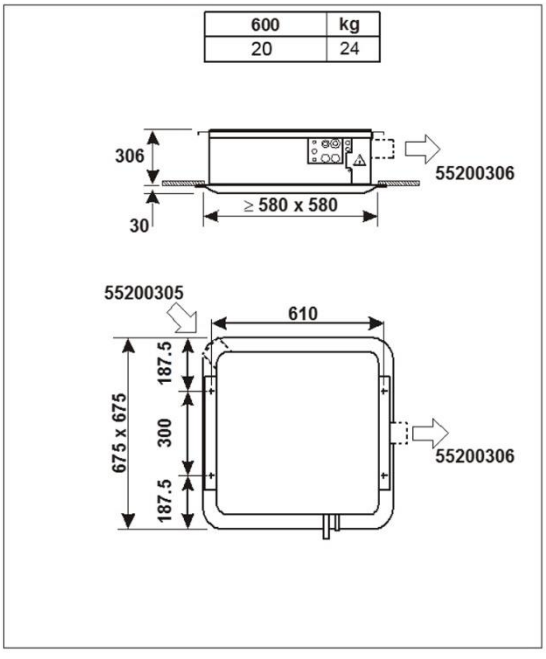
OPTIONS - (Fit any of these kits before installing the unit: some may also be factory fitted)
OPTIONS - (A monter avant d'installer l'unité)
ZUBEHÖR - (Alle Bausätze einbauen bevor das Gerät montiert wird: viele sind auch werkseingebaut lieferba

55200306 ADJACENT ROOM SPIGOT PIQUAGE DÉRIVATION NEBENRAUMANSCHLUSS		100Ø
55200305 FRESH AIR SPIGOT PIQUAGE AIR NEUF FRISCHLUFTANSCHLUSS		100Ø
55500316 FOAM BLANKING KIT SCHAUMSTOFF ABDECKUNG		x 6

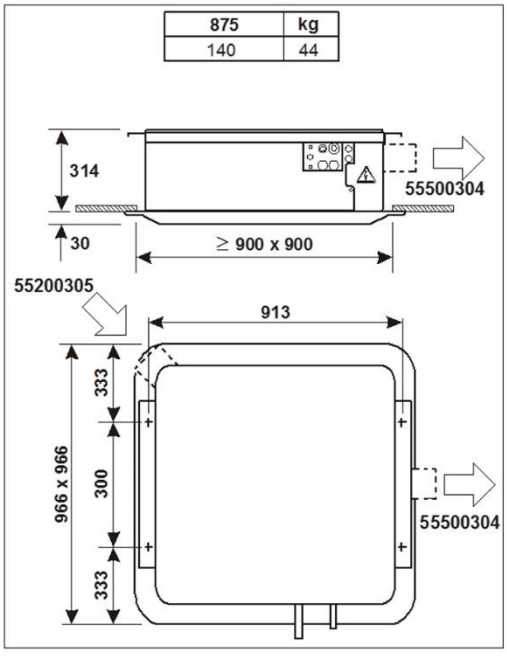
55500304 ADJACENT ROOM SPIGOT PIQUAGE DÉRIVATION NEBENRAUMANSCHLUSS		150Ø
55200305 FRESH AIR SPIGOT PIQUAGE AIR NEUF FRISCHLUFTANSCHLUSS		100Ø
55500316 FOAM BLANKING KIT SCHAUMSTOFF ABDECKUNG		x 6

DIMENSIONS & WEIGHTS / DIMENSIONS ET POIDS / ABMESSUNGEN & GEWICHTE

600	kg
20	24

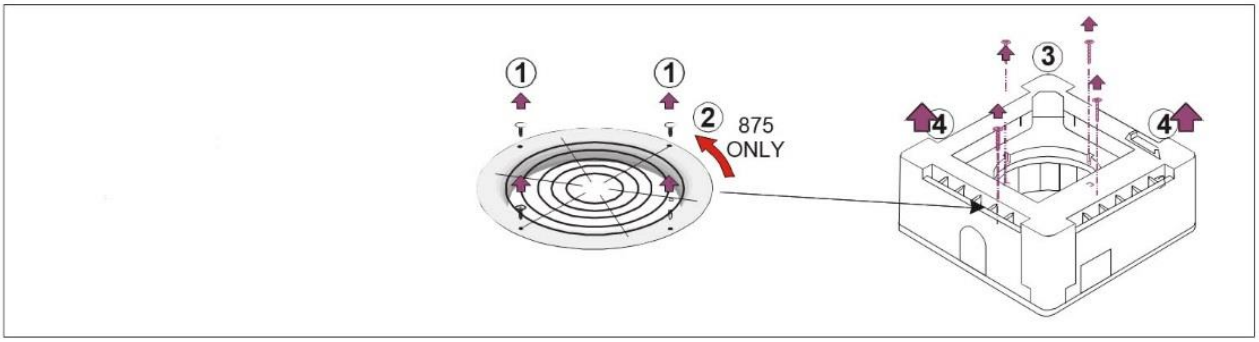


875	kg
140	44

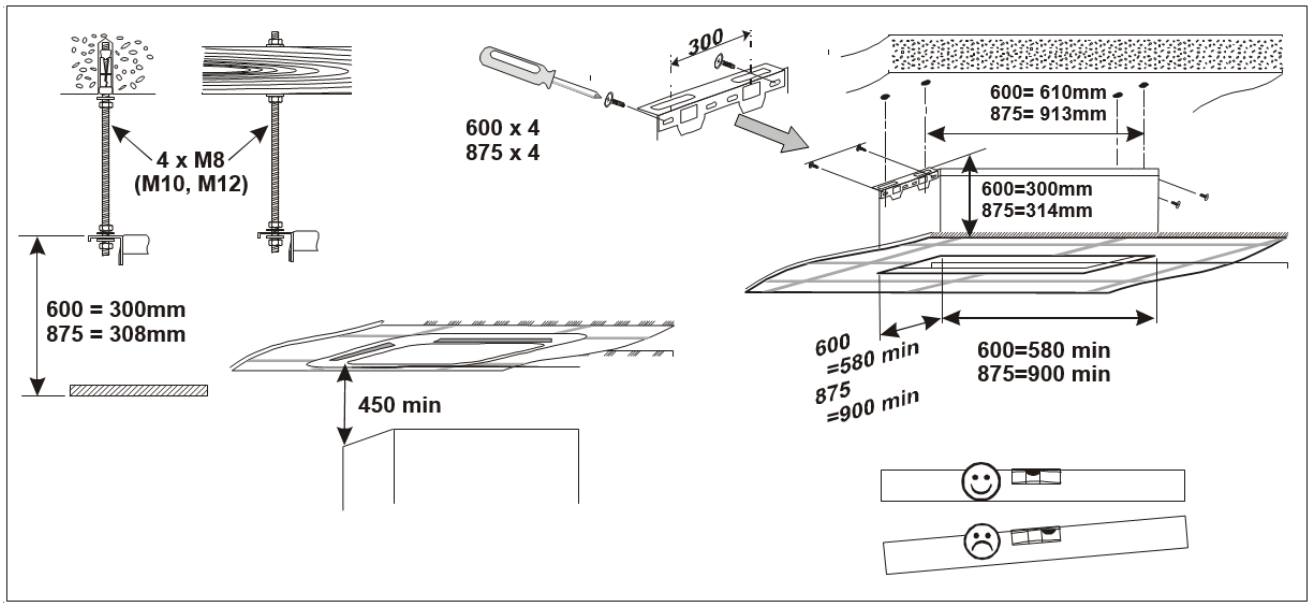


REMOVAL OF CHASSIS / DÉPOSE DU CHASSIS / ABBAU DES GEHAÜ

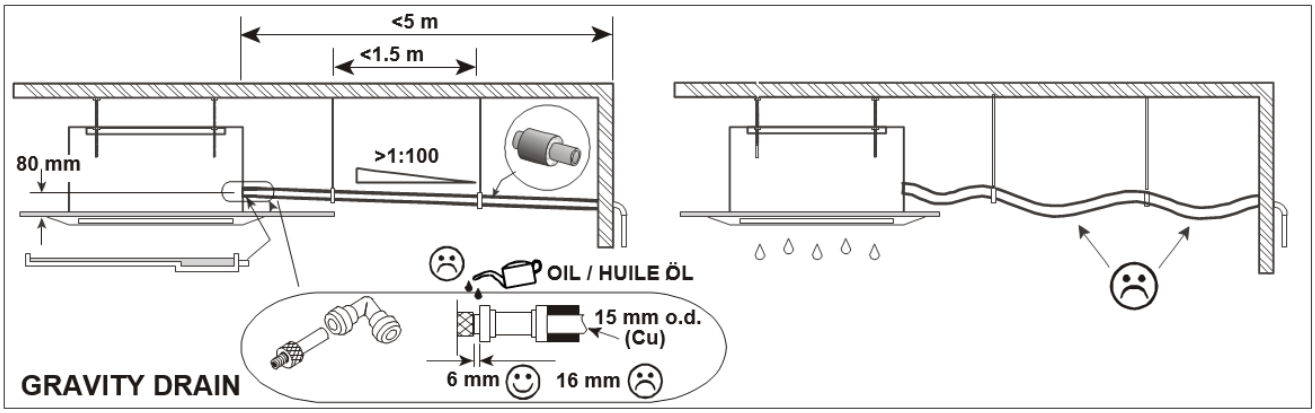
FOR EASIER ACCESS (SOLID CEILINGS)
POUR UN MONTAGE FACILE AU PLAFOND
FÜR BESSERE ZUGÄNGLICKEIT (ABGEHÄNGTE DECKEN)



INSTALLATION / INSTALLATION / MONTAGE



CONDENSATE DRAIN PIPING / EVACUATION CONDENSATS / KONDENSWASSERLEITUN



ELECTRICAL DATA – AMPS (230V 50Hz 1Ph)

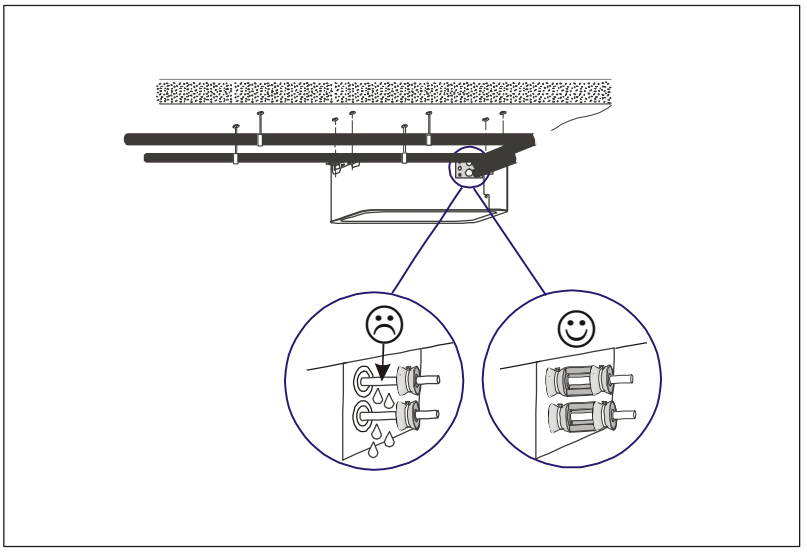
	600	875
FAN MOTOR	**0.5**	**0.9**
CONDENSATE PUMP	**9mA**	**9mA**
ELECTRIC HEATER 1kW	**4.2**	**4.2**
ELECTRIC HEATER 2kW	**8.3**	**8.3**
ELECTRIC HEATER 3kW	**X**	**12.5**
ELECTRIC HEATER 4kW	**X**	**8.3 + 8.3**

FUSES / DISJONCTEURS / SICHERUNGEN (EN60269) - MCBs (EN60898)
(fuses are for indoor unit only with independent supply)

	CC600	CC875
S	13 Amp	13 Amp
H	16 Amp	25 Amp

S = No Electric Heating / Sans Batterie Electrique / Ohne Elektroheizung
H = + Electric Heaters / + Batterie Electrique / Mit Elektroheizung
H1= 0.92kW, H2 = 1.84kW, H3 = 2.76kW,

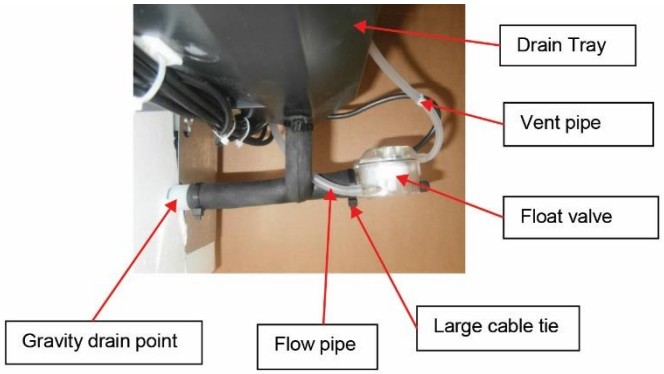
PIPEWORK CONNECTION / RACCORDEMENT DES TUYAUTERIES / ROHRLEITUNGEN



FITTING EXTERNAL CONDENSATION PUMP WITH FLOAT VALVE

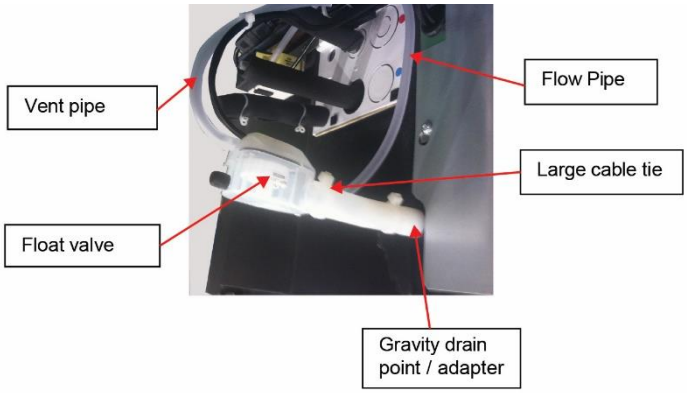
WITH A DRAIN TRAY

a] Remove `gravity' drain bung from end of pipe. and



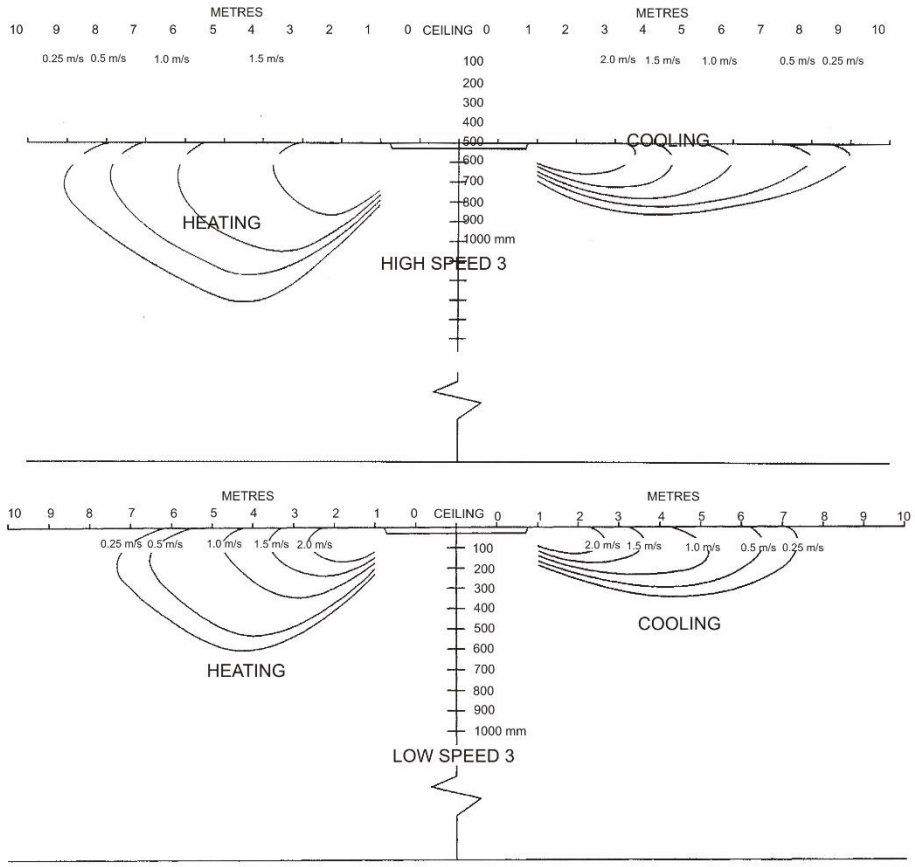
NO DRAIN TRAY

a] Remove gravity drain plug from chassis fit gravity drain plug adapter.



It is important that the float switch sits level when the cassette unit is fully installed and that the open end of the vent pipe is higher than the water level in the drip tray.

DISCHARGE VELOCITIES



SOUND POWER and SOUND PRESSURE

CC600

speed 1 = lowest, speed 5 = highest

FAN SPEED SELECTION / SÉLECTION DES VITESSES DE VENTILATION / LÜFTERSTUFENAUSWAHL

The fan speed is factory set at medium. (Terminal 3) To alter the speeds, remove the black link wire from terminal 3 to the required speed terminal.

Terminal	Speed
1	Ultra Low
2	Low
3	Medium
4	High
5	Boost

20

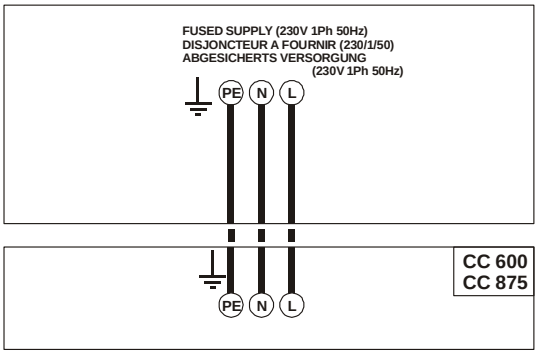
CC 600

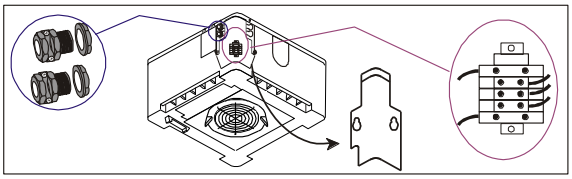
m³/s					
CC600 - 60	0.256	0.209	0.173	0.146	0.12

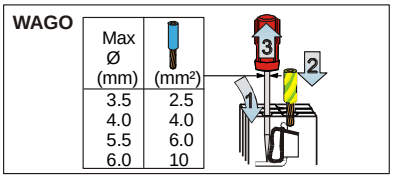
CC 875

m³/s				
CC875 - 140	0.50	0.43	0.35	0.30

INTERCONNECTING WIRING / INTERCONNEXIONS / VERBINDUNGSVERDRAHTUNG







600 (ALL) SPEED		SOUND POWER LEVELS Frequency Hz 125	250	500	1K	2K	4K	dBA	SOUND PRESSURE LEVELS dBA	NC
20	1	56.3	48.3	45.5	39.0	36.6	35.8	47	26	18
	2	58.8	51.9	50.2	44.9	41.4	37.5	52	31	23
	3	61.6	57.8	55.6	53.8	48.5	44.4	58	37	31
	4	62.9	60.1	57.6	56.3	51.3	46.8	61	40	34
	5	67.0	65.6	62.9	61.3	57.6	53.0	66	45	39

Sound Power Levels were obtained in conformance with BS 4196: Part 5: 1981. Values are shown in dB with a standard reference of 1 pW.
Sound Pressure Levels are dB relative to 2 x 10^{-5}N/m² and are calculated from results measured in anechoic conditions.
Values relate to a position of 3m away from the centre line of the unit, 1m down.

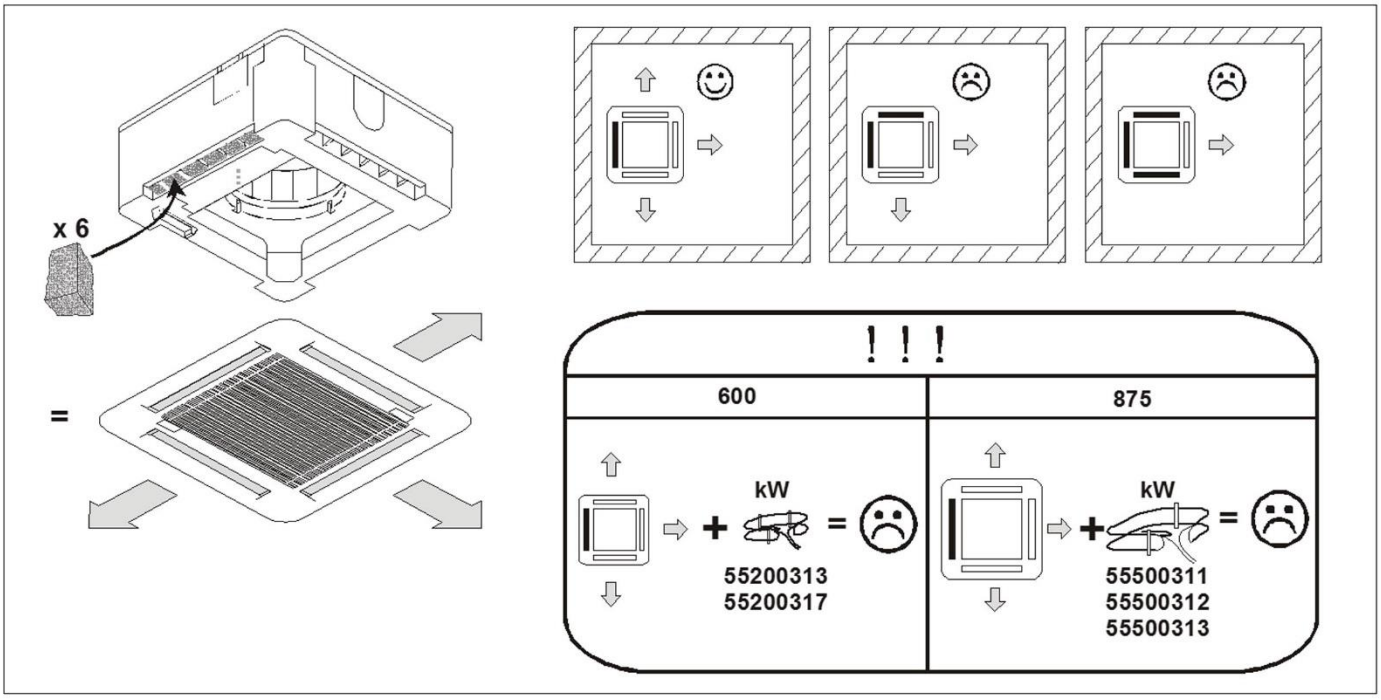
CC875

speed 1 = lowest, 4 = highest: Range 1 = speeds 1,2,3: Range 2 = speeds 2, 3, 4

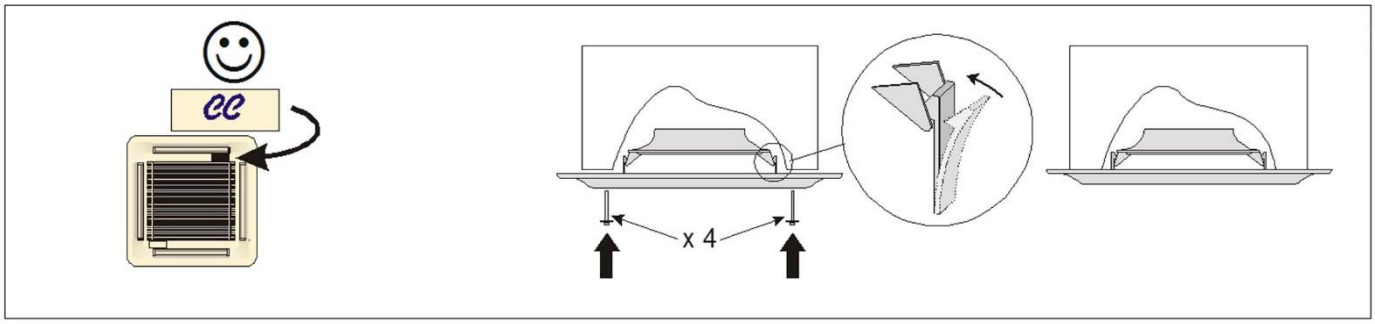
MODEL	SPEED	SOUND POWER LEVELS Frequency Hz 125	250	500	1K	2K	4K	dBA	SOUND PRESSURE LEVELS dBA	NC
140	1	64.7	60.2	57.5	57.4	47.1	36.9	60	42	38
	2	67.1	62.3	59.5	59.7	51.7	41.4	63	45	40
	3	69.2	64.9	62.2	62.0	56.2	47.1	65	47	43
	4	71.5	68.6	66.1	65.2	60.3	54.4	69	51	46

Sound Power Levels were obtained in conformance with ISO 3745. Values are shown in dB with a standard reference of 1 pW.
Sound Pressure Levels are dB relative to 2 x 10^{-5}N/m² and are calculated from results measured in anechoic conditions.
Values relate to a position of 3m away from the centre line of the unit, 1m down.

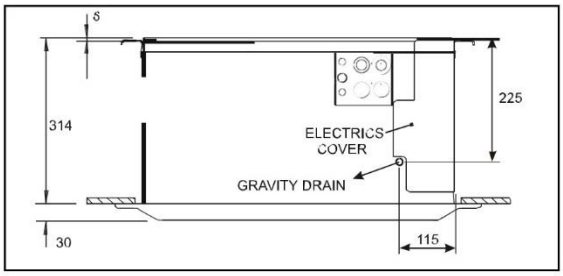
AIR OUTLET BLANKING – KIT 55500316
OBTURATION D'UN CÔTÉ DE SOUFLAGE – KIT 55500316
ABSPERRUNG DES LUFTAUSLASSES – KIT 55500316



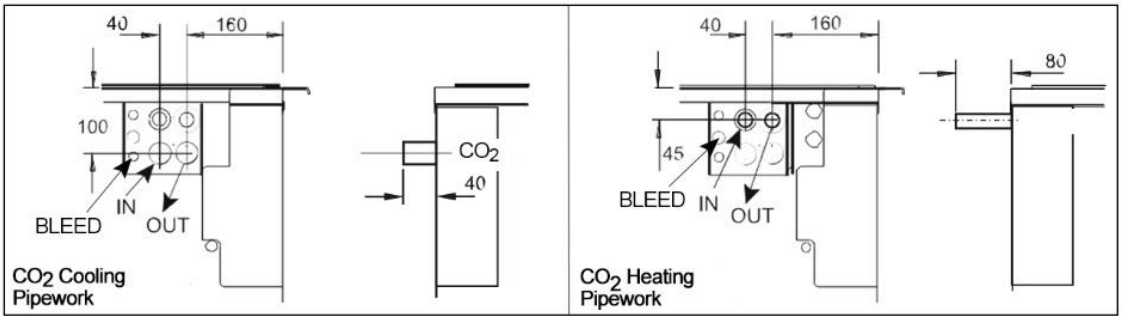
FITTING THE FASCIA / FIXATION DU PLENUM / BLENDEMONTAGE



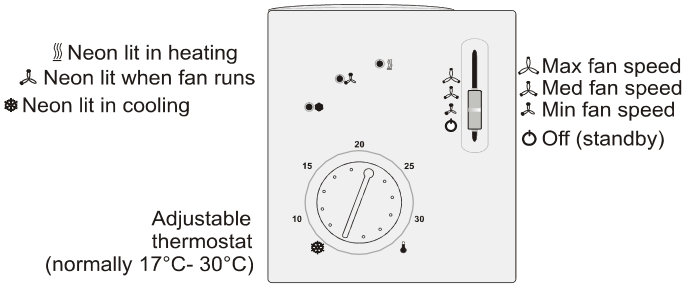
PIPE POSITIONS



Model	Cooling		Heating	
	In	Out	In	Out
CC 875 40 Cool + Heat	12	12	6	6
CC 875 80 Cool + Heat	12	16	16	16
CC 875 110 Heat Only	-	-	16	16
CC 875 140 Cool Only	12	19	-	-
CC 600 20 Cool Only	7	7	-	-
CC 600 20 Cool + Heat	7	7	¼"	¼"



RCC 30 REMOTE CONTROLLER 97200211 - NEW INSTALLATION

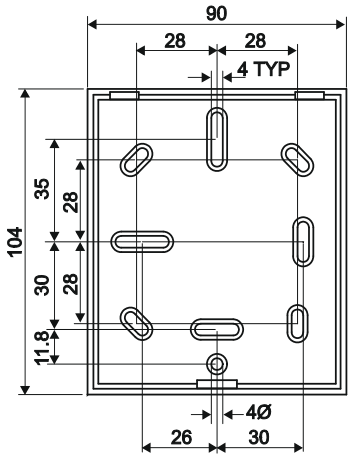


The position of the thermostat should account for specific site application:-

i) Mount on a flat surface within the area conditioned by the unit to which it is connected.
ii) Avoid draughts, heat from radiators, proximity to hot/cold water pipes, direct sunlight.
iii) Avoid corners of the room where air is likely to stagnate.
iv) Avoid direct air discharge from the unit onto the thermostat.
v) Avoid positions where the thermostat may be covered or obscured.
vi) If the room contains pillars, mount on the side of the pillar furthest away from the unit.

Using a flat-bladed screwdriver in the slot at the bottom of the casing, lever off the cover.

Mount the backpanel directly to a wall or onto a plinth, using the fasteners supplied.



VIEW SHOWING MOUNTING HOLE POSITIONS ONLY

The thermostat should be wired with 7 cores of double insulated cable, 0.5mm^2 minimum, preferably in plastic conduit for good appearance. Connections are shown on the table on page 2.

The temperature range is factory set to 17°C - 30°C: it is recommended that this is maintained, but if adjustment is needed (eg. to save energy, a range of 21°C - 25°C might be desired) carefully prise off the rotary dial and reset the stops to suit.

Heating is possible only if the system includes a heat pump outdoor unit, or if electric heaters or a Low Pressure Hot Water coil (CW) has been fitted.

RCC 30 optional return air sensor 97200212 can detect return air temperature at the unit rather than the controller. It should be wired between B1 and M on the RCC 30.

The KLRe 52552 return air sensor is not suitable for use with the RCC 30 thermostat: use 97200212 return air sensor**.**

DIP switches at the bottom rear of the controller are factory set as shown below: these are the recommended settings.

DIP switch	Function	ON position	OFF position
1	Fan control	Fan control is temperature dependent in all operating modes	Fan control in normal operation is temperature independent
2	Operating mode changeover via external switch	Changeover between normal operation and energy saving mode	Changeover between normal operation and standby
3	Action of switch for externally operated mode changeover	Changeover activated when contact of switch is closed	Changeover activated when contact of switch is open
4	Standby	Frost protection disabled	Frost protection enabled
5	Switching differential	1K in heating mode, 0.5K in cooling mode	4K in heating mode, 2K in cooling mode
6	Dead zone in normal operation	2K	5K

= factory settings

OPERATING INSTRUCTION RCC 30 REMOTE CONTROLLER

ON / OFF AND FAN SPEEDS
The slider controls the fan speeds as shown above: in its lowest position the unit is in standby ie. the air conditioner has power supplied to it but does not operate.

TEMPERATURE CONTROL

The desired room temperature is set using the rotary switch.

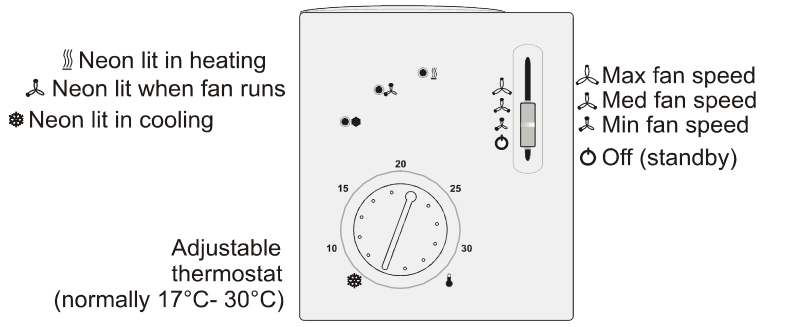
Normally the range is restricted to 17°C - 30°C, although the installer may have set the minimum higher or the maximum lower (eg 20°C - 25°C) to conserve energy.

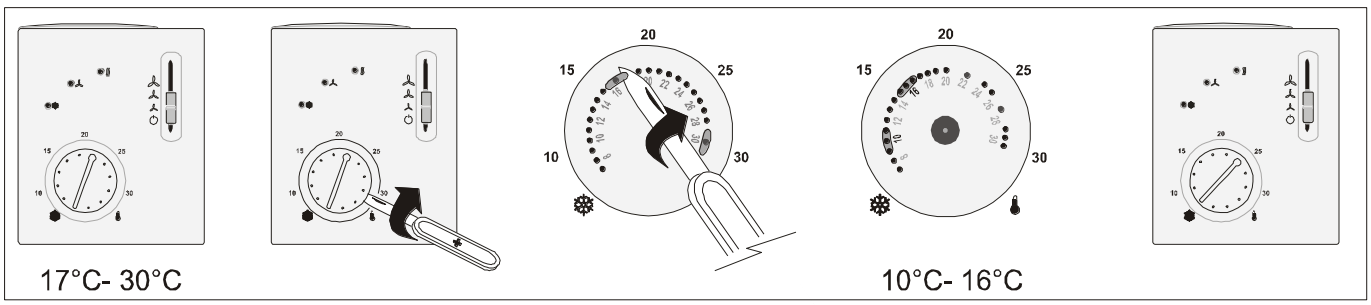
After resetting the temperature, there may be a short delay (2-3 minutes) before the system operates in its new mode. The air conditioner will then attempt to satisfy the set temperature.

Heating is possible only if the system includes a heat pump outdoor unit or if electric heaters have been fitted (DX systems), or if an LPHW coil is fitted or the unit is supplied from a reverse cycle chiller (CW systems).

For specified low temperature systems : the range is restricted from between 10°C and 16°C.

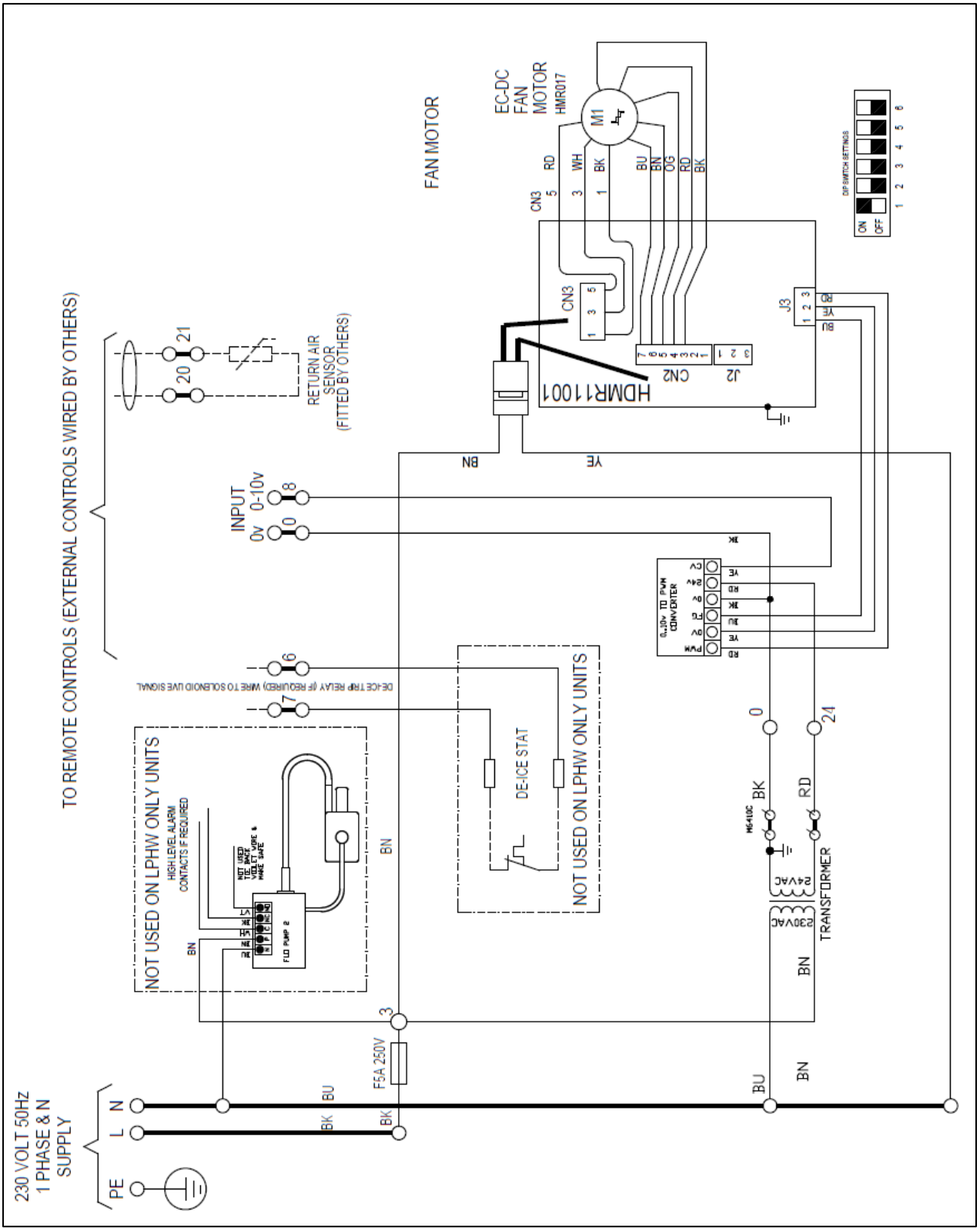
This adjustment can be made by carefully prising off the rotary dial and re-setting the stops as required.



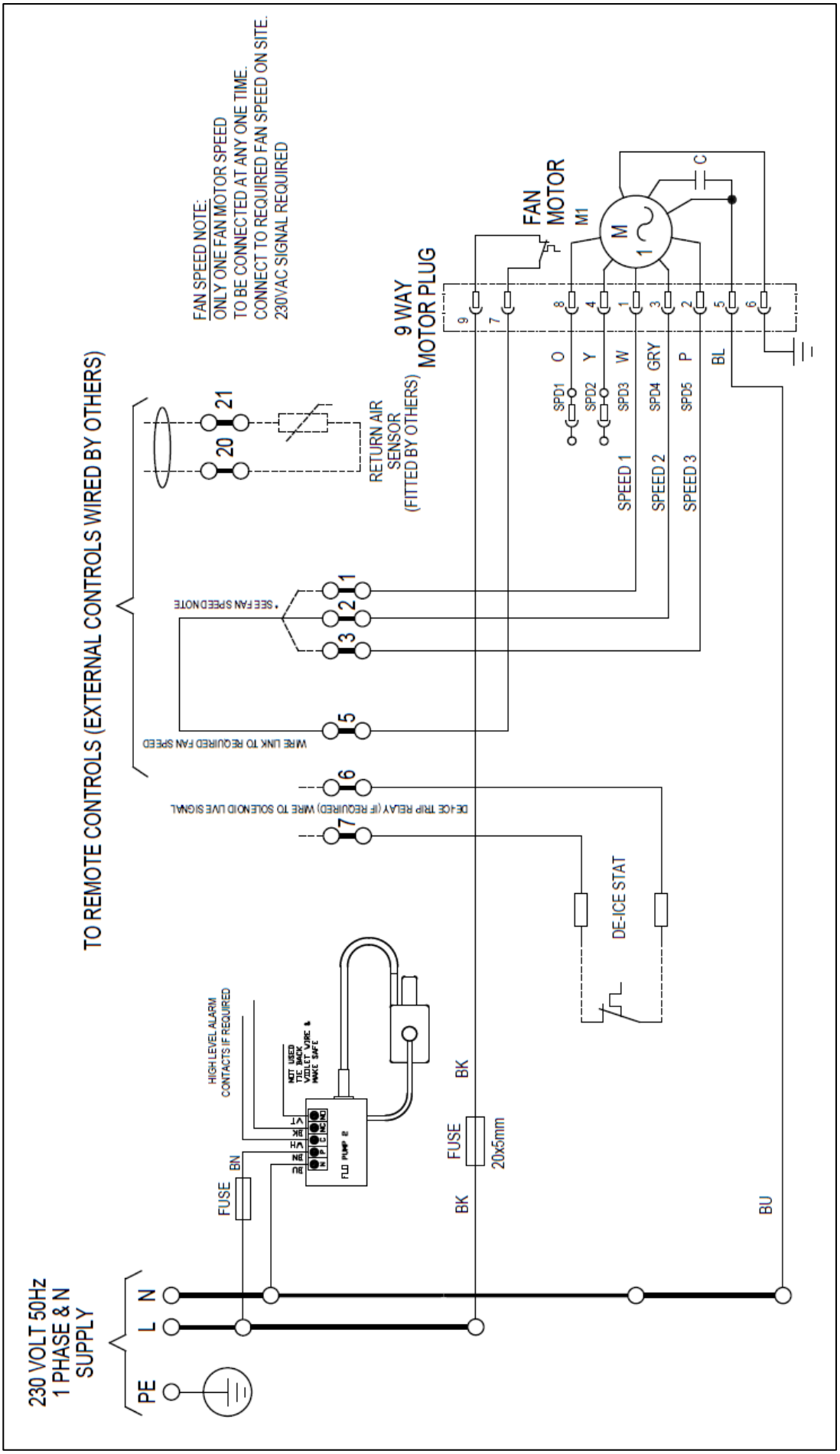


WIRING DIAGRAMS

CC 875



CC 600


FAN SPEED NOTE:
ONLY ONE FAN MOTOR SPEED
TO BE CONNECTED AT ANY ONE TIME.
CONNECT TO REQUIRED FAN SPEED ON SITE.
230VAC SIGNAL REQUIRED
9 WAY
MOTOR PLUG
FAN
MOTOR
M1
C
SPD1 O
SPD2 Y
SPD3 W
SPD4 GRY
SPD5 P
BL
SPEED 1
SPEED 2
SPEED 3
RETURN AIR
SENSOR
(FITTED BY OTHERS)
20
21
TO REMOTE CONTROLS (EXTERNAL CONTROLS WIRED BY OTHERS)
SEE FAN SPEED NOTE
WIRE LINK TO REQUIRED FAN SPEED
DEICE TRIP RELAY (IF REQUIRED) WIRE TO SOLENOID LIVE SIGNAL
DE-ICE STAT
HIGH LEVEL ALARM
CONTACTS IF REQUIRED
NOT USED
TIE BACK
VIOLET WIRE &
MAKE SAFE
FUSE
BN
FUSE
20x5mm
BK
BK
BU
230 VOLT 50Hz
1 PHASE & N
SUPPLY
PE
L
N

	CC 600 & 875 INSTALLATION CHECK LIST	Page	Checked
1	Is the unit square and level with the ceiling ?	5	
2	Are refrigerant pipes the correct diameters for the pipe run ?	-	
3	Is the pipework correctly supported throughout its length ?	-	
4	Is the expansion and suction pipework insulated right up to the unit ?	6	
5	Have all pipework joints been carefully checked for leaks ?	-	
6	Is the refrigerant charge / oil addition correct ?	-	
7	Is the fuse size correct ?	6	
8	Is the selected fan speed appropriate for the application ?	7	
9	Is the interconnecting wiring correct ?	7	
10	Is the condensate drain correctly sized, connected, supported and insulated ?	5	
11	Has the effectiveness of condensate removal system been tested and there are no leaks ?	5	
12	Is the air distribution as required?	7	
13	Have you fitted kit 55500316 if 3-way air discharge is required ?	9	

	CHECK LIST DE L'INSTALLATION DE CC 600 & 875	Page	Vérifié
1	L'unité est-elle fixée de niveau ?	5	
2	Avez-vous passé les bons diamètres de tuyauteries ?	-	
3	Les tuyauteries sont-elles correctement fixées ?	-	
4	Avez-vous isolé les tuyauteries jusqu'au châssis de l'unité ?	6	
5	Avez-vous effectué une recherche de fuites ?	-	
6	La charge de réfrigérant et d'huile est-elle correcte ?	-	
7	La taille du disjoncteur est-elle correcte ?	6	
8	Avez-vous séllectionné les vitesses de ventilation approprié ?	7	
9	Les câblages d'interconnexions sont-ills corrects ?	7	
10	L'evacuation des condensats est-ell correctement raccordée, supportée et isolée ?	5	
11	Avez-vous vérifié le bon fonctionnement de l'évacuation des condensats et qu'il n'y a pas de fuites ?	5	
12	La distribution d'air est-elle correcte ?	7	
13	Désirez vous un soufflage sur 3 côtés ? Kit 55500316	9	

	CC 600 & 875 MONTAGE PRÜFLISTE	Seite	Geprüft
1	Ist das Gerät waagerrecht und eben eingebaut ?	5	
2	Sind die richtigen Rohrleitungsgrößen verlegt worden ?	-	
3	Sind alle Rohrleitungen über deren gesamte Länge richtig befestigt ?	-	
4	Sind beide Leitungen bis zum Gerätegehäuse isoliert worden ?	6	
5	Sind alle Rohrleitungen und Verbindungen auf Leckagen untersucht worden ?	-	
6	Ist die Kältemittel und Ölfüllung richtig ?	-	
7	Ist die Sicherungsgröße richtig ?	6	
8	Ist die richtige Lüfterdrehzahl eingestellt worden ?	7	
9	Ist die Verbindungsverdrahtung richtig ?	7	
10	Ist die Tauwasserleitung richtig angeschlossen, aufgehängt und isoliert ?	5	
11	Prüfen Sie nach, ob daß Kondenswasser richtig abfliessen kann und keine Leckstellen vorhanden sind ?	5	
12	Ist die Luftverteilung wie gewünscht ?	7	
13	3 Wege Ausblas? Bausatz 55500316	9	

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