

CONCEALED MODEL



Versatile

unit meeting all building-specific constraints

Energy and ecodesign performance.

Improved occupant comfort, very low sound level

Innovative design ensuring easy installation and simplified maintenance

42NC 42ND

Designed for heating and cooling, 42NC/ND is available in 2 models (cased or uncased). The versatility of the 42NC/ND, thanks to its different assembly options and range of accessories, means it can be adapted to any type of installation. In Europe, it has become a benchmark solution for renovations of large office blocks and hotel chains and restoration of buildings, etc.

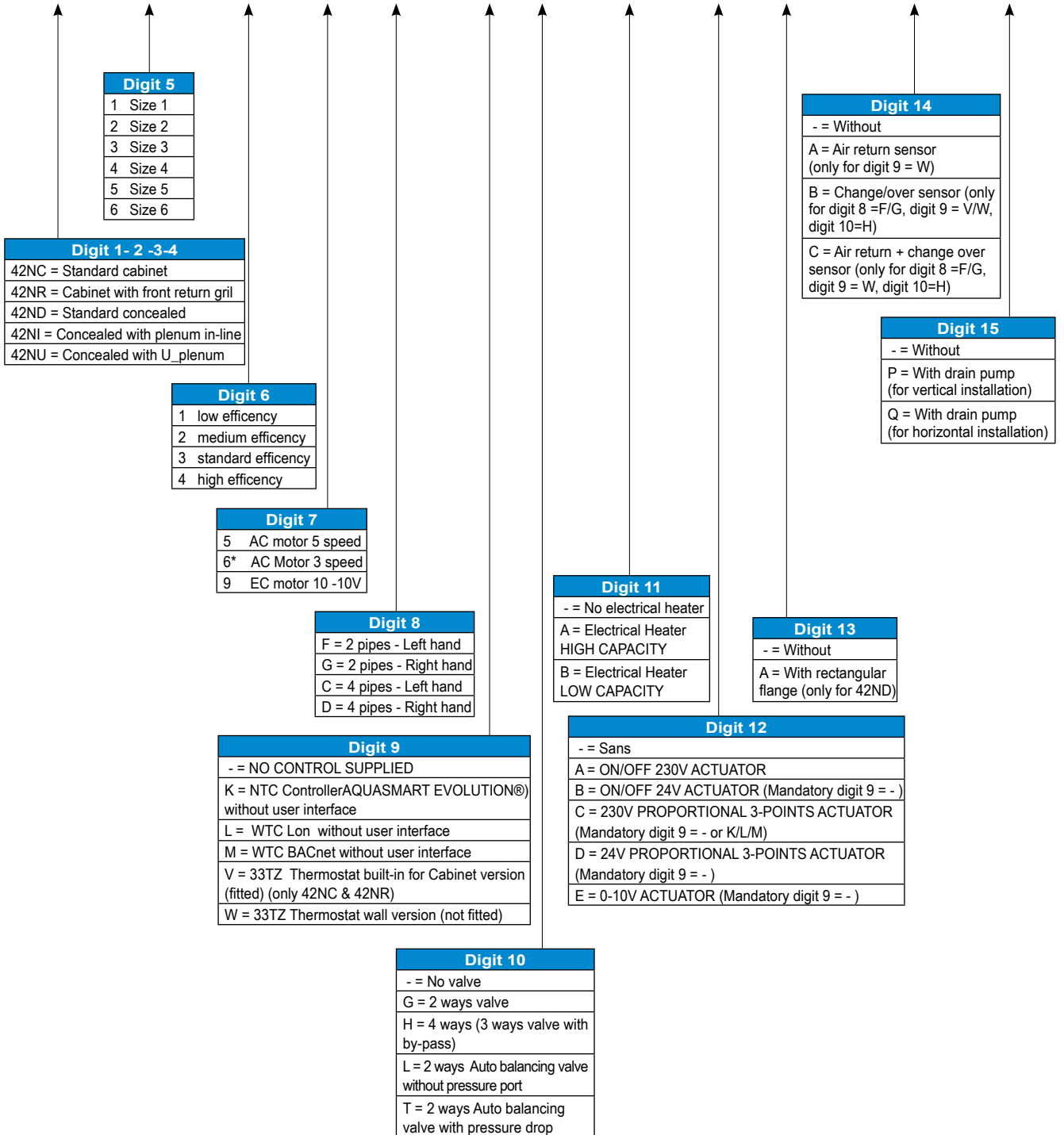
Modern aesthetic lines, excellent sound levels and optimised thermal performance. With 42NC/ND, CARRIER offers a comfort solution which is both economical and quick to set up.



CARRIER participates in the ECP programme for FC/FCP
Check ongoing validity of certificate:
www.eurovent-certification.com

MORPHO CODES

Range & Model				Size	Coil efficiency	motor type	Coil Type	Control	Valve	Electrical heater	Actuators	Supply Rect. flange	Sensors	Drain pump
4	2	N	C	1	2	9	F	A	G	A	A	-	-	-
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15



Nota :

* Only available in Sizes 2 & 3

TECHNICAL DESCRIPTION

Casing

- Single-unit casing and side members in ABS
- Front/rear panel in galvanised steel with mounting holes for easy fixing.

Casing for cabinet model

Bi-material casing in two colours:

- Flange, side member and supply air grille in RAL 7035 grey ABS
- Front pressed metal panel painted RAL 9010 white and front mounted return air grille (42NR) in RAL 7035 grey
- Central access point for housing 33TZ thermostat.

Water coil

- High performance coil concept
- Coil casing in galvanised panels.
- Copper pipes, aluminium louvre or non-louvre fins, patented.
- Water coil tap on the left or right of the unit from the front of the supply air (to be specified when ordering).
- 2 or 4-pipe main coil fitted with ½" or ¾" rotary couplings with air purge and drain screw.
- Additional coil for 4 pipes fitted with ½" rotary couplings with 40 mm centre-to-centre distance.
- Nominal pressure of 16 bar (at 20°C)
- Test pressure 18 bar.
- Maximum hot water inlet temperature:
 - 4-pipe application: 90°C
 - 2-pipe application: 90°C
 - 2-pipe/2-wire application: 55°C (min. air flow: 200 m³/h)

Electric heater

- Single pipe 230V single phase 50/60 Hz electrical elements inserted into the aluminium housing.
- Two capillary tube temperature limiters with manual and automatic reset inserted in the aluminium housing.

Condensate drain pan

- Pan in ABS PC 10% fibreglass with M1 class reinforced EPS insulation (20 mm thick).
- Reinforced insulation for all climates, M1 class EPS panel (20 mm thick).
- Auxiliary drain pan in ABS.
- 22 mm external Ø raised condensate outlet.

Fan motor assembly

■ Fan(s)

Impeller(s) in ABS in split units for total accessibility of the different parts of the fan motor assembly.

160 mm impeller(s), with exclusive airfoil blades in self-extinguishable HB ABS.

■ EC motor

High energy efficiency motor enabling a reduction of up to 85% in electricity consumption.

- Brushless technology.
- Sealed type, tropicalised with protected shaft.
- Progressive control with 0-10V control signal.
- Internal normally closed series automatic overload protection on the windings.
- Mounted on anti-vibration mounts.
- Supply 230V±10%/1-Ph/50-60 Hz.

Note: The minimum voltage to start up the motor is 2V.

■ Asynchronous motor

- 5 factory-fitted wired speeds (connected and available at the terminal) for customised adjustment.
- Sealed, tropicalised type, class F with protected shaft.
- Permanent capacitor.
- Ball bearings.
- Automatic overload protection as standard on winding.
- Resilient mounts.
- 230V single-phase 50/60 Hz power supply, reduced consumption.

Electrics box

- Box incorporated on the side of the base opposite the hydraulics.
- Fully encased in an enclosure in PP 20% Talc.
- Electrical connection terminal on DIN rail in compliance with EN 50022, 7.5 mm deep.
- Wire clamps for customer connection.

Air filter

- Flexible filter medium made of regenerative polyester fibre, on rigid frame.
- Efficiency class EN 779: G3.
- Fire rating: M1.
- Mounted on pivoting runners for easy maintenance

Packaging

- Delivered in individual boxes on pallets protected by stretch wrap film.

Controls

- Electronic thermostat : 33TZ (built-in thermostat for vertical model with or without casing or available in wall mounted for all models) & 33TA/B/C/D (available from ERCD in wall mounted only).
- Networked electronic range (CCN): NTC.
- Networked electronic range (LON or BacNET): WTC.

Factory-fitted options

- Condensate drain pump.
- Rectangular supply air sleeve for direct distribution in soffit.
- Supply and return air plenum for H and U assembly (contact us) for sizes 2 to 4.
- Hydraulic coil with blades protected for use in harmful/corrosive atmospheres (coastal locations, or areas close to chemical industries).

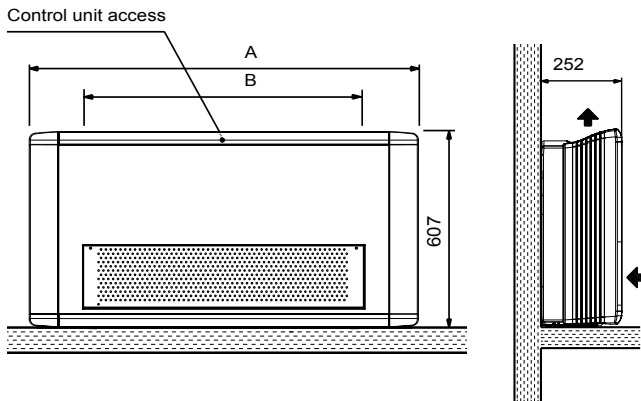
Accessories supplied separately

- Support feet or base
- Return air grille between feet
- Rear skirting support and rear painted panel
- Single- or dual-deflection diffusion grille
- Supply air plenum in kit for sizes 1 to 6 diameter 200 mm or 160 mm
- Resilients mounts (lot of 4 pcs)

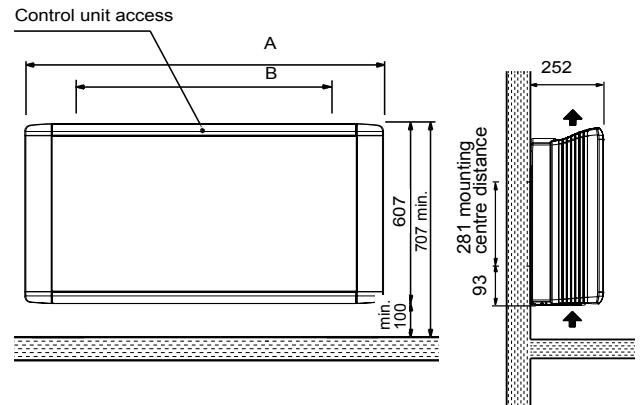
Note: refer to the technical manual and the instruction manual for more information.

ASSEMBLY AND DIMENSIONS – CABINET MODEL (VERTICAL APPLICATION)

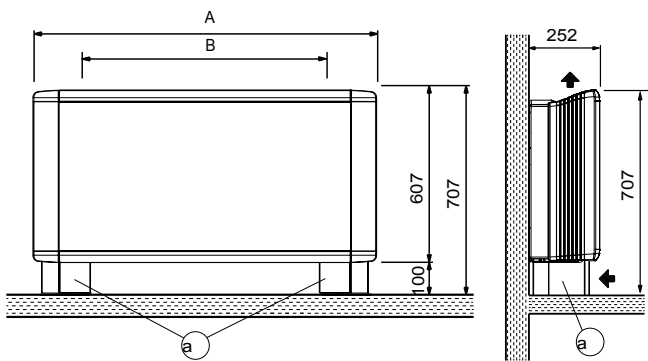
42NR: Unit with return on front



42NC: Basic unit with return underneath



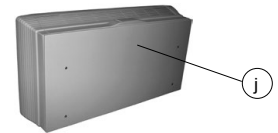
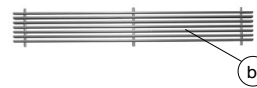
42NC + feet: Basic unit with feet



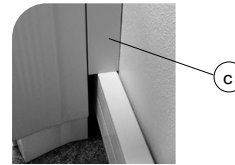
Options available with feet:

- Base mounted grille

- Rear painted panel



- Rear skirting support



Accessories for assembly configurations (supplied separately)

- a: Support feet
- b: Aluminium return air grille between feet
- c: Painted rear skirting support
- j: Rear painted panel RAL 7035

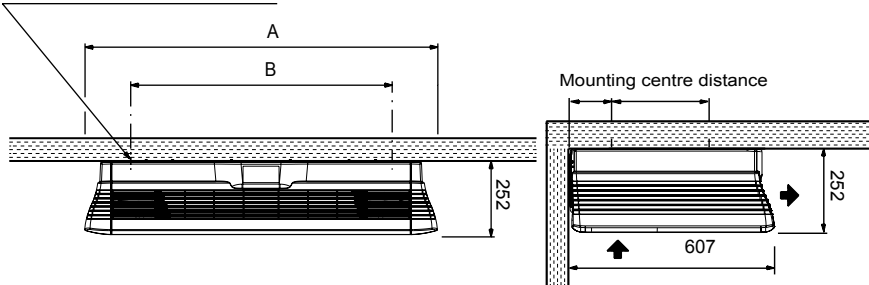
Sizes	A	B mounting centre distance	Weight (kg) *
1	840	505	20
2	1000	665	23
3	1200	865	28
4	1400	1065	34
5	1600	1265	39
6	1800	1465	44

* Weight of the unit in 4-pipe version (without valves)

ASSEMBLY AND DIMENSIONS – CABINET MODEL (HORIZONTAL APPLICATION)

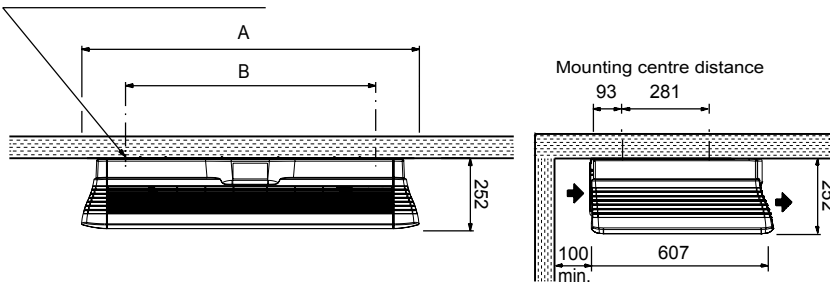
42NR: Unit with return on front

Mounting: 4 sealed M6 shafts, nuts and washers (not supplied)



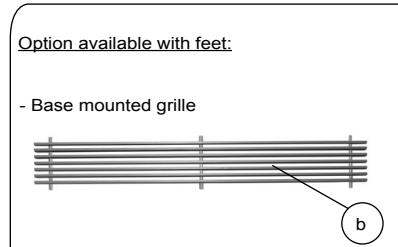
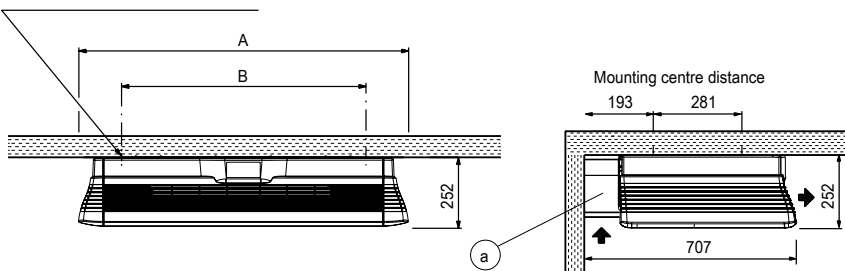
42NC: Basic unit

Mounting: 4 sealed M6 shafts, nuts and washers (not supplied)



42NC + feet: Basic unit with feet

Mounting: 4 sealed M6 shafts, nuts and washers (not supplied)



Accessories for assembly configurations (supplied separately)

a: Support feet

b: Aluminium internal return air grille between feet

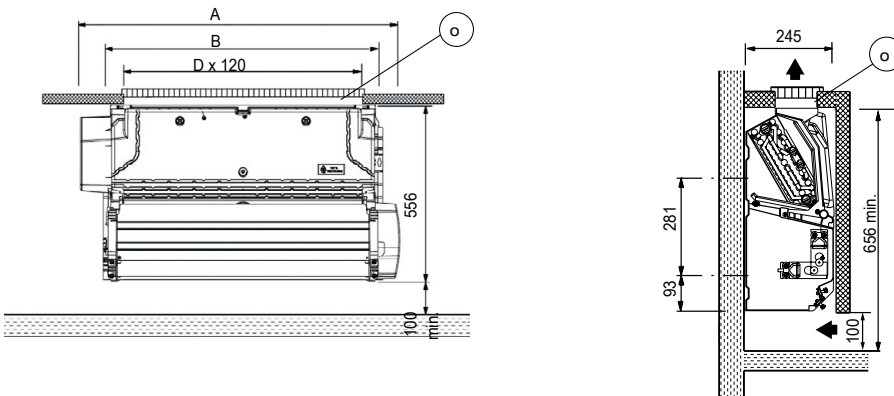
Note: with feet the condensate drain pump must be used.

Sizes	A	B mounting centre distance	Weight (kg) *
1	840	505	20
2	1000	665	23
3	1200	865	28
4	1400	1065	34
5	1600	1265	39
6	1800	1465	44

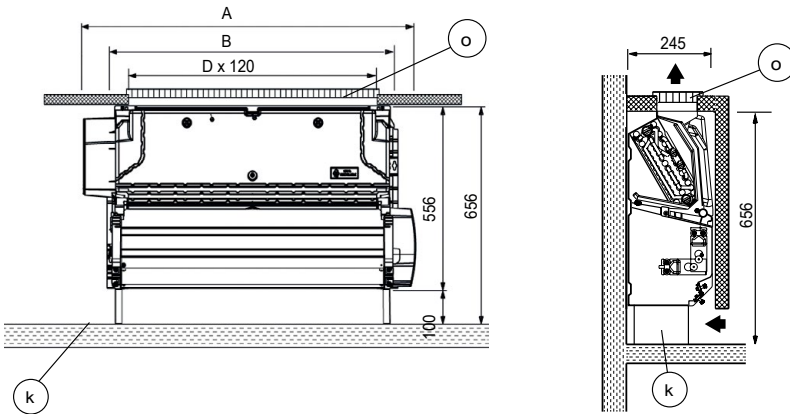
* Weight of heaviest unit in 4-pipe configuration

ASSEMBLY AND DIMENSIONS – CONCEALED MODEL (VERTICAL APPLICATION)

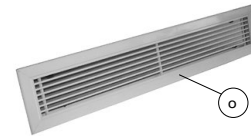
42ND: Basic unit with bottom-mounted return



42ND + support: Basic unit with support base



Accessories for assembly configurations (supplied separately)



- k Support base
- o Aluminium single deflection diffusion or return air grille with sealing frame (without hatch).

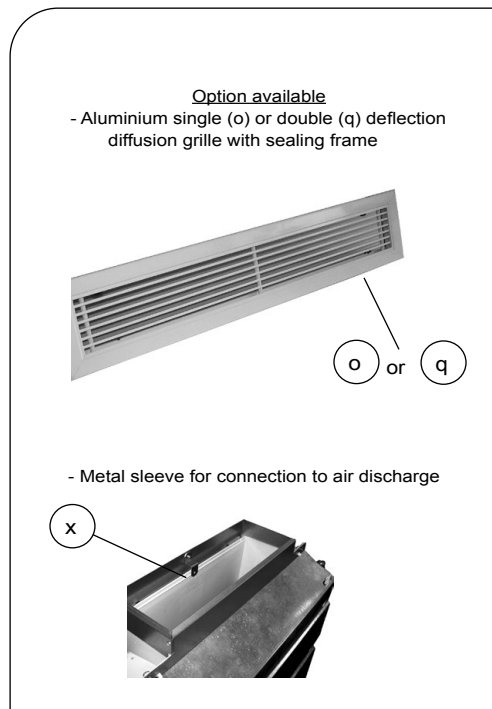
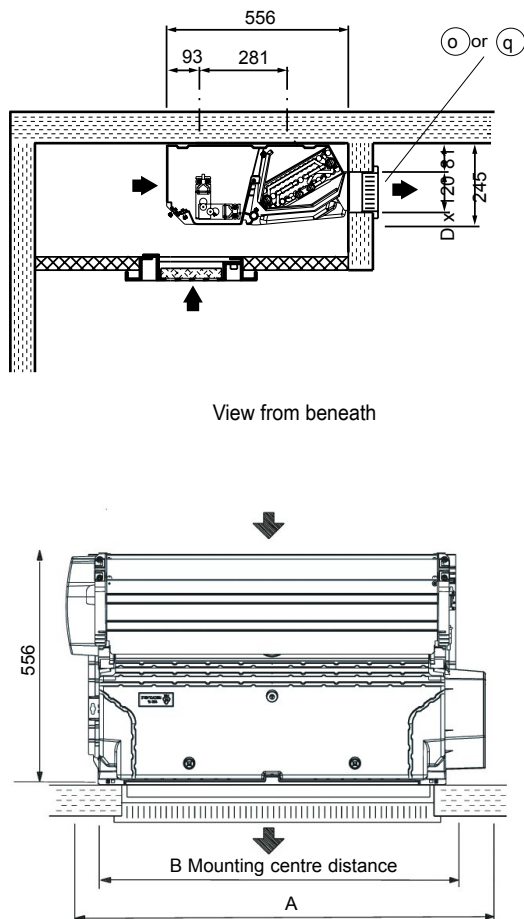
Note: this grille can be used for both return and supply air.

Sizes	A	B mounting centre distance	D grille space	Weight (kg) *
1	652	505	355	15
2	812	665	515	18
3	1012	865	715	22
4	1212	1065	915	28
5	1412	1265	1115	32
6	1612	1465	1315	36

* Weight of the unit in 4-pipe version (without valves)

ASSEMBLY AND DIMENSIONS – HORIZONTAL CONCEALED MODEL

42ND: Unit with return on front



Accessories for assembly configurations (supplied separately)

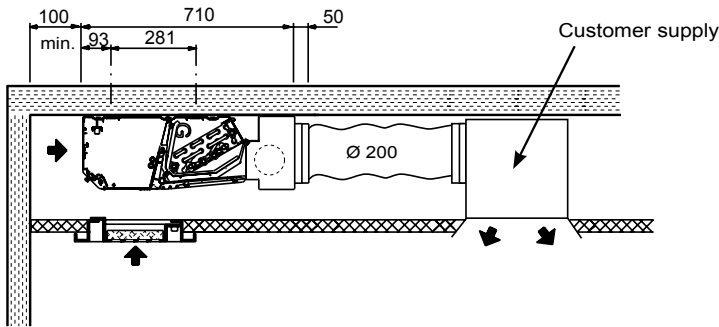
- o: Aluminium single deflection diffusion grille with sealing frame.
- q: Aluminium double deflection diffusion grille with sealing frame
- x: Metal sleeve connecting rectangular sleeve to supply air

Size	A	B mounting centre distance	D grille space	Weight (kg) *
1	652	505	355	15
2	812	665	515	18
3	1012	865	715	22
4	1212	1065	915	28
5	1412	1265	1115	32
6	1612	1465	1315	36

* Weight of the unit in 4-pipe version (without valves)

ASSEMBLY AND DIMENSIONS – HORIZONTAL CONCEALED MODEL

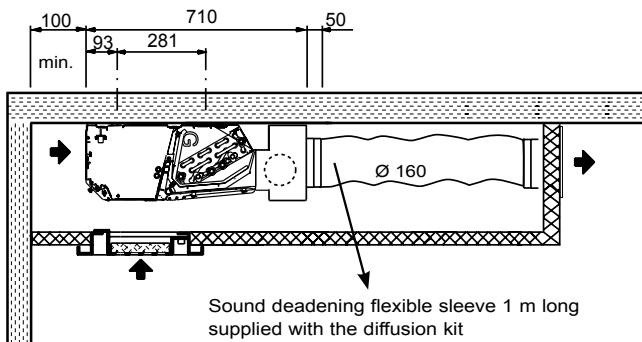
42ND + kit supply plenum Ø 200 mm:



Size	Number of collars	Ø of collars
1	1	200
2	1	200
3	2	200
4	3	200
5	3	200
6	3	200

Supply air plenum delivered not fitted. Available for sizes 1 to 6

42ND + kit supply plenum Ø 160 mm:

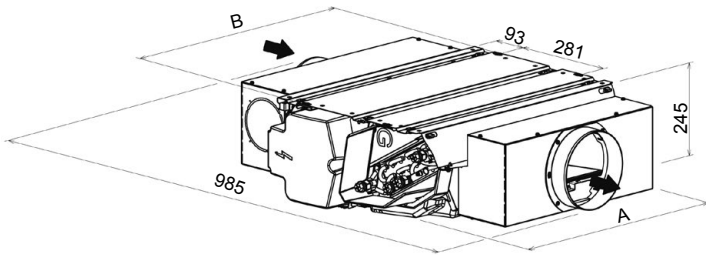


Size	Number of collars	Ø of collars
1	1	160
2	1	160
3	2	160
4	3	160
5	3	160

Supply air plenum delivered not fitted. Available for sizes 1 to 5

42NI :

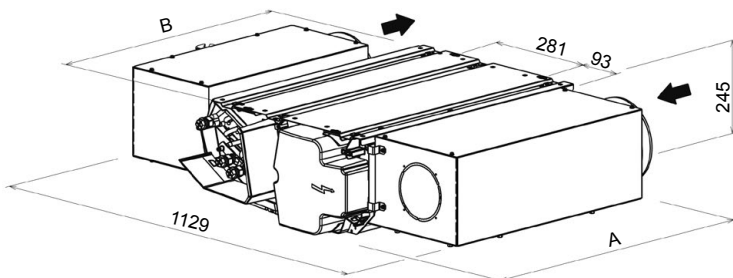
Supply and return air plenum factory-fitted with Ø 200 mm spigots available for sizes 2 to 4



Size	A	B	Number of collars
2	760	665	1
3	960	865	2
4	1160	1065	3

42NU:

Supply and return air plenum factory-fitted with Ø 200 mm spigots available for sizes 2 to 4



Size	A	B	Number of collars
2	770	665	1
3	970	865	1
4	1170	1065	1

PERFORMANCE – 2-PIPES SYSTEM

Cooling mode: water temperature: 7/12 °C, inlet air temperature: 27 °C - 19 °C (WB)

Heating operation: water temperature: 45/40 °C, inlet air temperature: 20 °C

Sizes	AC motor speed	EC motor Voltage (V)	Cooling cap. W		Heating capacity W	Sound power LW dB(A)	electric heater low capacity W	electric heater high capacity W
			Total	Sensible				
115F/G 119F/G	V4	4,5	1 044	994	1 517	46	300	600
	V3	3,7	884	833	1 352	42		
	V1	2,9	711	661	1 028	36		
135F/G 139F/G	V4	4,5	1 345	1 169	1 654	46	300	600
	V3	3,7	1 088	934	1 387	42		
	V1	2,9	863	731	1 031	36		
215F/G 219F/G	V4	5	1 702	1 630	2 416	49	500	1000
	V3	4,5	1 564	1 486	2 240	42		
	V1	3,1	1 083	1 023	1 572	37		
235F/G 239F/G	V4	5	2 140	1 805	2 690	50	500	1000
	V3	4,5	1 965	1 644	2 425	46		
	V1	3,1	1 330	1 077	1 665	37		
245F/G 249F/G	V4	5	2 445	1 998	2 936	50		
	V3	4,5	2 195	1 778	2 627	46		
	V1	3,1	1 480	1 156	1 786	37		
315F/G 319F/G	V4	5,8	2 720	2 160	3 395	53	800	1600
	V3	4,7	2 400	1 875	2 950	47		
	V1	2,2	1 390	1 035	1 660	29		
325F/G 329F/G	V4	5,8	3 155	2 616	3 836	53		
	V3	4,7	2 755	2 245	3 182	47		
	V1	2,2	1 601	1 416	1 729	29		
335F/G 339F/G	V4	5,8	3 519	2 705	4 278	53	800	1600
	V3	4,7	3 052	2 349	3 584	47		
	V1	2,2	1 377	1 063	1 692	29		
435F/G 439F/G	V4	7,1	5 748	4 483	6 278	59	1200	2400
	V3	5,8	4 735	3 586	5 126	54		
	V1	3,6	2 914	2 164	3 158	51		
535F/G 539F/G	V4	7,1	6 152	4 844	6 916	60	1600	3200
	V3	5,9	5 349	4 104	5 708	55		
	V1	3,7	3 435	2 624	3 643	42		
645F/G 649F/G	V4	7,5	8 000	6 200	9 630	52		
	V3	6,7	7 310	5 553	8 800	59		
	V1	4,3	4 810	3 515	4 905	48		

(1) Important: the air supply temperature should not exceed 65°C (CARRIER recommendation).

PERFORMANCE – 4 PIPES SYSTEM

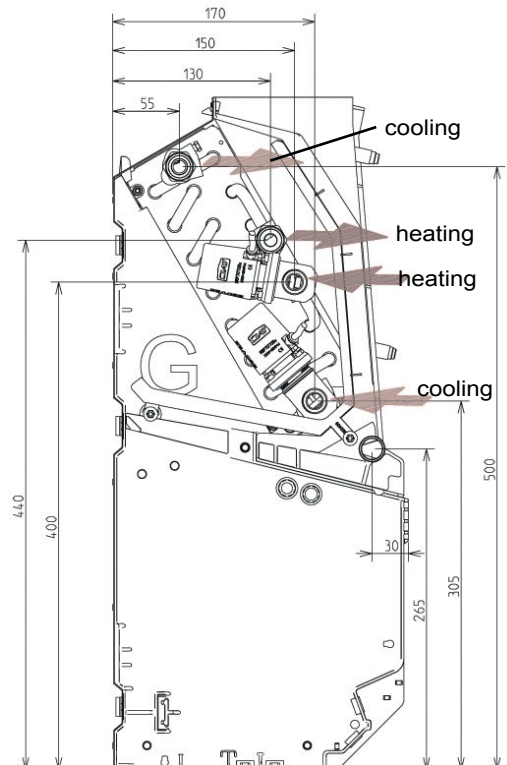
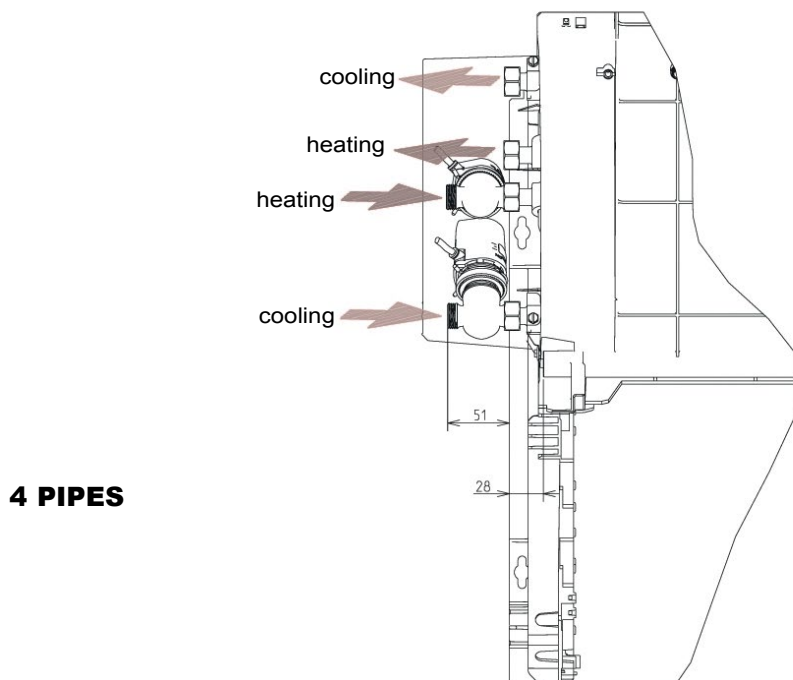
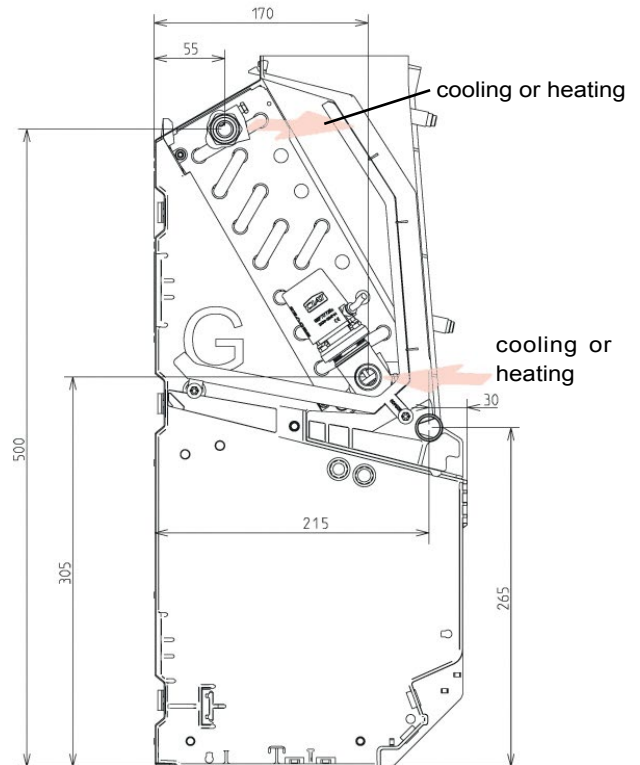
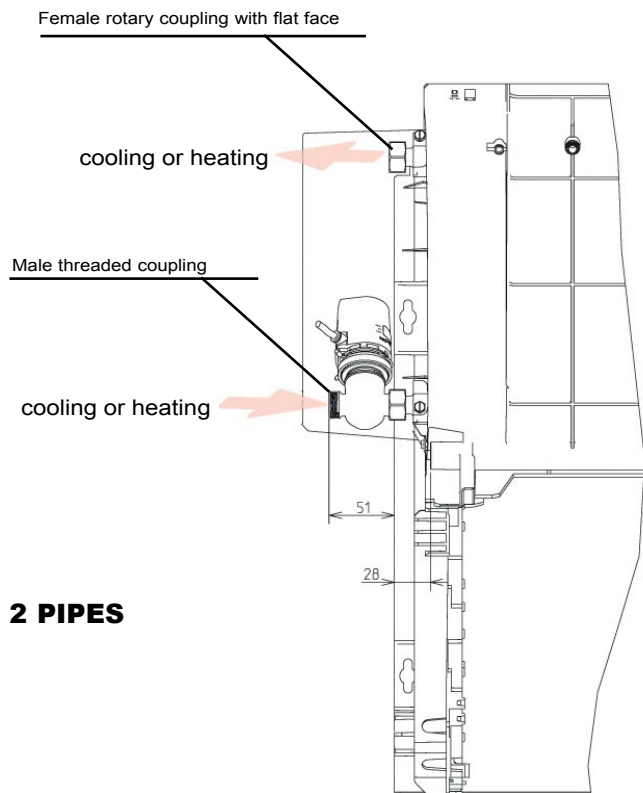
Cooling operation: water temperature: 7/12°C, inlet air temperature: 27°C - 19°C (WB)

Heating operation: water temperature: 65/55°C, inlet air temperature: 20°C

Sizes	AC motor Motor reference	EC motor Voltage (V)	Cooling cap. W		Heating capacity W	Sound power LW dB (A)
			Total	Sensible		
135C/D 139C/D	V4	4,5	1 345	1 169	1 200	49
	V3	3,7	1 088	934	1 050	42
	V1	2,9	863	731	870	37
235C/D 239C/D	V4	5	2 138	1 804	2 691	55
	V3	4,5	1 964	1 644	2 426	46
	V1	3,1	1 330	1 077	1 668	38
245C/D 249C/D	V4	5	1 923	1 736	3 500	55
	V3	4,5	1 735	1 550	3 327	46
	V1	3,1	1 209	1 072	2 598	38
335C/D 339C/D	V4	5,8	3 519	2 705	1 740	56
	V3	4,7	3 052	2 349	1 540	47
	V1	2,2	1 377	1 063	815	29
345C/D 349C/D	V4	5,8	2 938	2 391	4 013	56
	V3	4,7	2 556	2 047	4 148	47
	V1	2,2	1 185	965	2 122	29
435C/D 439C/D	V4	7,1	5 264	4 128	4 340	61
	V3	5,8	4 465	3 427	3 920	54
	V1	3,6	2 818	2 102	2 950	41
535C/D 539C/D	V4	7,1	5 885	4 810	5 744	62
	V3	5,9	4 976	4 068	5 061	55
	V1	3,7	3 331	2 587	3 766	42
635C/D 639C/D	V4	7,5	7 250	5 730	6 130	64
	V3	6,7	6 630	5 180	5 800	59
	V1	4,3	4 420	3 310	4 350	48

HYDRAULIC CONNECTIONS WITH FITTED VALVES

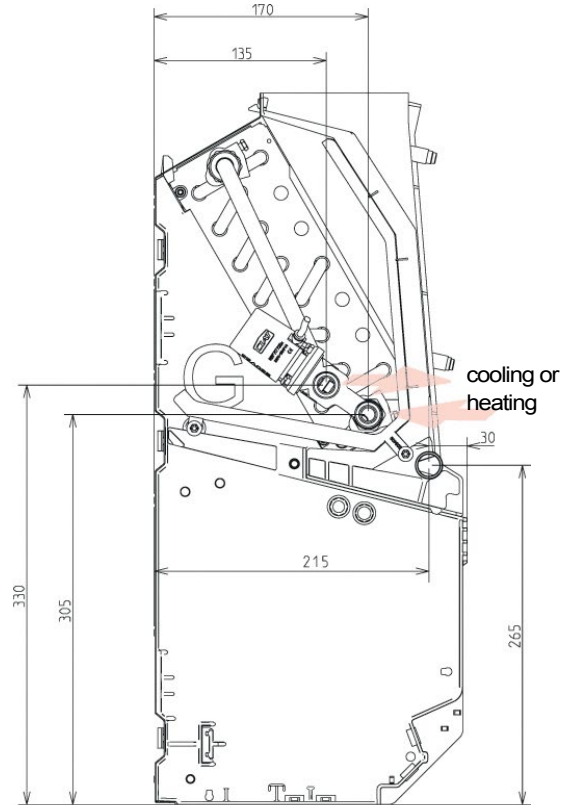
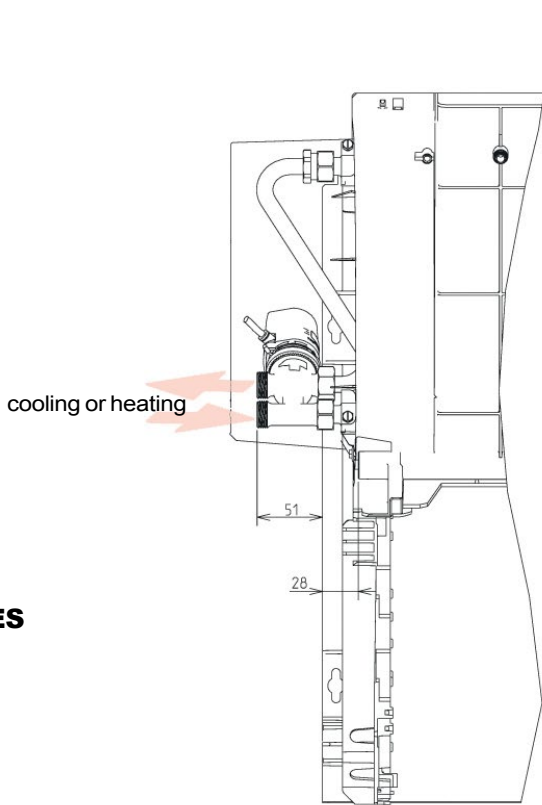
With assembly of 2-way valves



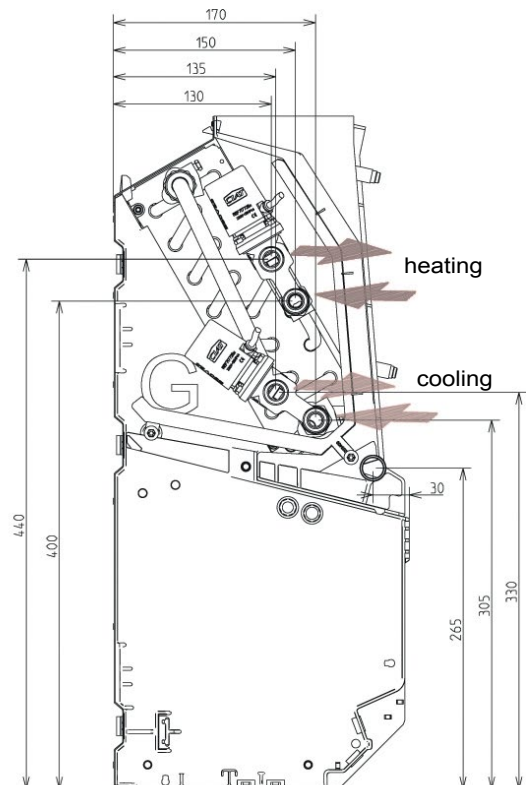
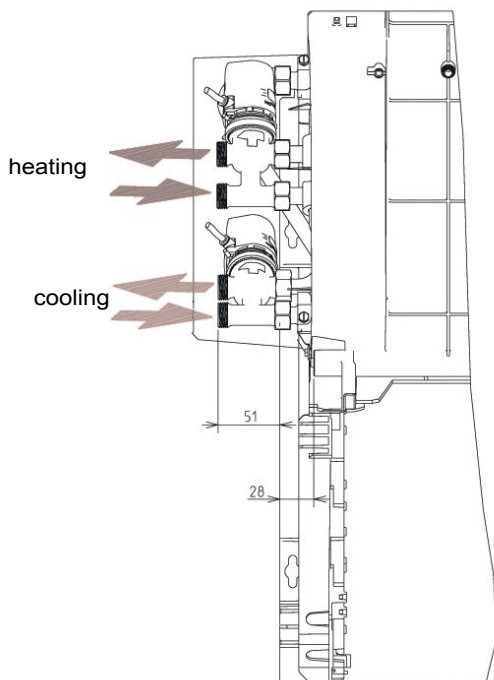
HYDRAULIC CONNECTIONS WITH FITTED VALVES

With 3-way valves + bypass fitted (centre to centre distance 40 mm)

2 PIPES



4 PIPES



TECHNICAL CHARACTERISTICS

Coil capacity (litres)

		115/119	135/139	215/219	235/239	245/249	315/319	325/329	435/439	535/539	645/649
2-pipe system	Hot or cold water coil	0,22	0,31	0,30	0,44	0,52	0,40	0,48	0,80	1,03	1,32
		135/139		235/239	245/249		335/339	345/349	435/439	535/539	635/639
4-pipe system	Cold water coil	0,26		0,45	0,36		0,60	0,52	0,71	0,89	1,32
	Hot water coil	0,14		0,1	0,19		0,13	0,21	0,22	0,29	0,47

Coil connection diameters

- Coil connection type: rotary couplings with flat face;
- Valve connection type: install flush fit male threaded unions.

		115/119	135/139	215/219	235/239	245/249	315/319	325/329	435/439	535/539	645/649
2-pipe system	Hot or cold water coil	G1/2"	G1/2"	G1/2"	G1/2"	G1/2"	G1/2"	G1/2"	G1/2"	G3/4"	G3/4"
		135/139		235/239	245/249		335/339	345/349	435/439	535/539	635/639
4-pipe system	Cold water coil	G1/2"		G1/2"	G1/2"		G1/2"	G1/2"	G1/2"	G3/4"	G3/4"
	Hot water coil	G1/2"		G1/2"	G1/2"		G1/2"	G1/2"	G1/2"	G1/2"	G1/2"

Motor specifications

	Speeds	AC Asynchronous Motor						Speeds	EC brushless motor					
		Sizes							Sizes					
		1-5	2-5	4-5	4-5	5-5	6-5		1-9	2-9	3-9	4-9	5-9	6-9
Max. power input (W)	V5	33	58	88	106	108	135	V5	11	25	32	77	90	100
	V4	31	41	67	93	94	114	V4	9	15	22	63	80	75
	V3	29	36	52	80	79	99	V3	6	11	13	36	42	55
	V2	27	31	42	72	72	88	V2	5	8	7	21	26	32
	V1	26	27	35	63	63	77	V1	4	5	3	11	13	16
Max. input current (W)	V5	0,14	0,25	0,38	0,46	0,47	0,59	V5	0,11	0,20	0,29	0,62	0,71	0,74
	V4	0,13	0,18	0,29	0,40	0,41	0,50	V4	0,09	0,13	0,20	0,50	0,62	0,67
	V3	0,13	0,16	0,23	0,35	0,34	0,43	V3	0,07	0,11	0,13	0,30	0,35	0,44
	V2	0,12	0,13	0,18	0,31	0,31	0,38	V2	0,06	0,09	0,08	0,19	0,21	0,27
	V1	0,11	0,12	0,15	0,27	0,27	0,33	V1	0,06	0,06	0,06	0,11	0,13	0,16

Note: Specifications determined for 230V +/-10% - 50Hz supply.

For operation at 60 Hz, the power input and rotation speed values are generally higher. Motor operating range: minimum return T°C: 0°C, maximum return T°C: 40°C

Unit information plate

The information plate shows all the information needed to identify the unit and its configuration. This plate is located on the condensate pan, on the electrical connection side.

- Code
- Serial number
- Description of the unit
- Nominal motor output
- Motor rotation speed
- Coil type
- Wiring diagram reference
- Motor speed wiring
- Maximum operating pressure
- Electrical heater specifications (if fitted)

The image shows a Carrier unit information plate with the following fields and callouts:

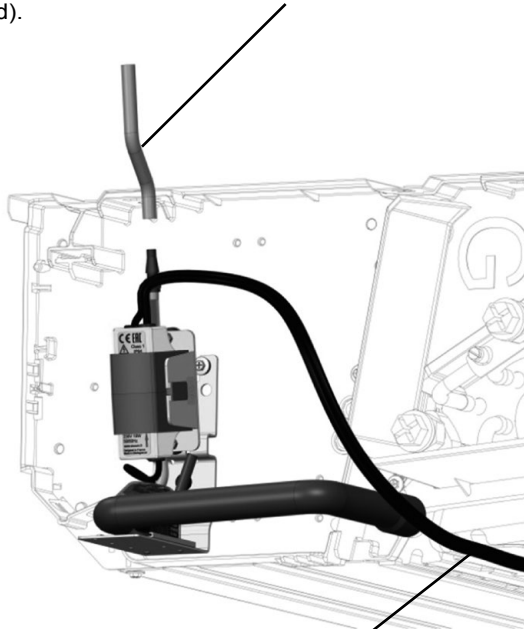
- 1** Code: 7552742
- 2** Serial number: 02786871/0001
- 3** Description of the unit: 42ND539FMGAA - CP
- 4** Nominal motor output: 1 + N 50/60HZ 230/220V +T
- 5** Motor rotation speed: 2T
- 6** Coil type: Batterie/Hydro. coil
- 7** Wiring diagram reference: 7547562
- 8** Motor speed wiring: 118.9/142.7
- 9** Maximum operating pressure: 1600000 PA (16BAR)
- 10** Electrical heater specifications (if fitted): 0.89/1.07

Other fields include: An./Year (2019), N. Serie/Serial Nbr (02786871/0001), Composants/Components, P. moteur/Motor P. (W), Elec Element (Ph/Hz/V), Maxi pressure (bar), I. moteur/Motor I. (A), Elec Elem. P. (W)/I.(A), Cablage/Wiring, tr.mm - 1/ft.p.m, Elec Diagram, N° Incorporation CE, and logos for Carrier, Eurovent, and CE.

CONDENSATE DRAIN PUMP

Technical characteristics

The pump outlet must be connected to the wastewater pipe by a flexible tube with an internal diameter of 6 mm (not supplied).



Cables for power supply and fault signal

Maximum flow rate	10.4 l/h
Maximum discharge height	7 m (flow rate = 4 l/h)
Maximum pressure	10 m (flow rate = 0 l/h)
Sound level at 1 m in accordance with EN ISO 3744 and 4871 (Measurement taken at LNE, pump in water, outside of application)	20.2 dBA
Power supply	230 V +10%/-15% - 50/60 Hz - 19 W
Electrical insulation class	Class 1
Detection levels	ON: 14.7 mm, OFF: 10.7 mm, AL: 17 mm
Safety switch	NF: 5 A resistance - 250 V Contacts made from AgNI 90/10, gold-plated.
Thermal protection (overheating)	70°C (automatic restart)
Operating cycle (duty factor)	100%
Protection (according to NF EN 60529)	IP64
Safety standard	CE
RoHS directive	Compliant
WEEE directive	Compliant

Pump performance:
Water flow rate in litres per hour (-15 %/+20 %)

Discharge height	Horizontal length of the discharge pipe			
	5 metres	10 metres	20 metres	30 metres
1 metre	10.4	9.1	8.3	7.3
2 metres	8.5	7.8	7	6.4
3 metres	7.9	7.1	6.3	5.8
4 metres	7	6	5.3	4.9

Operating limit:



Drainage: → 6 mm int. flexible pipe, → 8.8 mm end piece. This accessory must be paired with a valve control to allow the upper safety limit to control the valve's closure (stop condensate).

Condensate flow






rate (l/h) = $\frac{\text{Total capacity} - \text{Sensible capacity (W)}}{680}$

680






OPTIONS (FACTORY FITTED)

42NC/42NR	42ND/42NI/42NU	Figures	Digit number	Description
●	●		14	Condensate drain pump fitted to unit with high safety device.
	●		13	Metal sleeve for connection to air discharge

FACTORY ACCESSORIES (DELIVERED SEPARATELY)

Figures	Description		SIZE 1	SIZE 2	SIZE 3	SIZE 4	SIZE 5	SIZE 6
	Support feet for cased model	Code	7242933					
	Internal return air grille between feet	Code	7242935	7242936	7242937	7242938	7242939	7242940
	Rear skirting support in RAL7035 light grey, 55 mm thick (for 70 mm skirting)	Code	7242926	7242927	7242928	7242929	7242930	7242931
	Rear painted panel in RAL7035 light grey for positioning the unit by a window	Code	7262703	7262704	7262705	7262706	7262707	7262708
	Support base for Concealed unit	Code	7242932					

FACTORY ACCESSORIES (DELIVERED SEPARATELY)

Figures	Description		SIZE 1	SIZE 2	SIZE 3	SIZE 4	SIZE 5	SIZE 6
	Single deflection diffusion grille with sealing frame for vertical and horizontal Concealed models	Code	7256897	7256898	7256899	7256900	7256901	7256902
	Double deflection diffusion grille with sealing frame for horizontal Concealed models	Code	7242942	7242943	7242944	7242945	7242946	7242947
	Supply plenum with Spigots Ø 200 mm	Code	7512282	7512284	7512286	7512288	7242995	7242996
	Supply air plenum with Spigots Ø 160 mm	Code	7512283	7512285	7512287	7512289	7243490	
	Resilient mounts supplied separately (4 per unit)	Code	0219453					

SPECIFICATION

The Unit will conform to the standards and regulations in force. They will be manufactured under ISO 9001 quality assurance and in compliance with environmental certification ISO 14001. All comfort units, as well as being Eurovent certified, must bear the CE mark.

The **bi-material and two-colour casing** will be of a modern and refined design to blend in with all types of interior. Its robust packaged design must enable it to be dismantled easily and quickly. No plastic cover or moving parts will weaken the robustness of the unit.

The base will have mounting holes on the metal rear panel to facilitate fixing to walls and ceilings. Under no circumstances will it be constructed using materials liable to wear out.

The air filter, minimum G3 type in accordance with EN 779, with M1 fire resistance and fitted on removable runners, must be easily accessible and removable.

Air supply will be via a COANDA effect grille in order to ensure compliance with comfort standard ISO 7730. The fins must not under any circumstances be directed or able to be directed towards the occupied space.

The water coil will be made of copper pipes and continuous fins in seamed aluminium. To ensure the best energy efficiency possible, different variants will be available thus limiting surplus power, the hydraulic connections will be fitted with female rotary couplings with flat faces to facilitate the fitting of regulation valves. The PN16 coils will be equipped with air bleed and draining valves. They must be tested with a minimum test pressure of 16 bar.

The main condensate pan, in class V0 non-corrodible smooth ABS-type material, will as standard have reinforced insulation of at least 20 mm for use in all climates. An auxiliary pan will be available to collect condensate from the regulation valves. All metal trays will be prohibited. Condensate draining must be of the raised type, raised by at least 30 mm to facilitate the gravity drain.

The fan motor assembly is equipped with an asynchronous motor or an EC motor with a 230V (50/60 Hz) closed and tropicalised power supply, with a protected shaft and internal automatic overload protection as standard on the winding. The impellers will be, with a diameter of 160 mm to ensure high acoustic and air flow performance. The fan motor assembly will be sized to meet the requirements of installations needing up to 50 Pa of operating pressure.

The impellers of the unit will be in ABS, and designed for optimum performance. They will be of two-piece type therefore easily removed, enabling the maintenance operator to replace only the defective part if necessary (motor or impeller).

- **The asynchronous motor** has 5 speeds connected to the electrics box of the unit for optimised selection on site.

- **The EC motor** is a low-consumption motor which enables a reduction of up to 80% in electricity consumption. It has gradual operation by 0-10V control signal.

An electrics box that is enclosed and of large dimensions, fitted with a DIN rail, will be able to accommodate and protect all the control components from dust. A cable clamp will ensure the electrical wires are secure. The electrics box will be large enough to contain all the components of a complete regulation loop.

The technical design of the unit should allow it to be installed horizontally or vertically without modification.

The **control** will be factory-fitted to the units to ensure correct operation.

Eco-design should be a permanent consideration at every stage of the unit's conception process. Recyclable parts must be stamped with the current logo to facilitate sorting and identification at end of life. The unit as a whole must be at least 85 % recyclable. The unit must be easy to dismantle at end of life.

Guarantees

The manufacturer guarantees the equipment's performance, and will provide the documents attesting to the equipment's compliance with the attached specifications and with the STANDARDS, in particular the heating and cooling capacity (total and sensible), the air flow, the motor power input, the efficiency of the filters and the sound power spectrum. Using a simulation tool, the manufacturer of the comfort units must be able to give the relevant comfort indices or the values in compliance with the standard EN ISO 7730. The unit's instruction manual must be in the language used in the country of installation. The manufacturer's technical specifications and the equipment's sound pressure must be given in **the documents to be appended to the submission**.



Order No.: 10567, 11.2019 - Supersedes order No.:New.
The manufacturer reserves the right to make any changes, without notice.
The images in these documents are solely for illustration and are not contractual. The manufacturer reserves the right to change the design at any time without notice.

Manufactured by: Carrier SCS, Montluel, France.
Printed in the European Union.