



Ductable units



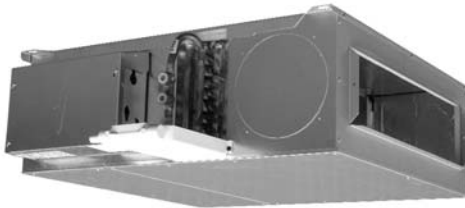
MAJOR 2 NCH



NCH Y



NCH U



NCH I



COADIS COMBI

High pressure and high capacity ductable units



Motor optional

MAJOR 2 NCH is a non independent air conditioning terminal unit for heating and cooling offices and hotels.

With reduced dimensions and designed to ease maintenance interventions, the **MAJOR 2 NCH** adapts to all types of architecture. **MAJOR 2 NCH** provides the user with thermal comfort thanks to a high performance compact coil and ensures a particularly low acoustic level.

MAJOR 2 NCH is available in 4 models:

- NCH I model, rectangular discharge
- NCH Y model, circular discharge
- NCH H model, discharge and circular air recovery (with air recovery plenum)
- NCH U model, discharge and lateral air recovery (with air recovery plenum)

MAJOR 2 horizontal non-cased model (**NCH**), is a compromise between the Coadis Slim and the UTA Compact in terms of capacity and thickness.

This unit has a sound-proofed expansion box on the outlet, and can cover static pressure up to 90 Pa meeting the requirements of all air diffusion systems up to 90 Pa. It can also be equipped with lateral circular spigots.

RANGE

The range includes **6 sizes** covering refrigerant capacity ranges from **0.8 to 8 kW**.

MAJOR 2 has 7 operating speeds, three of which are pre-wired in factory. In the standard version, the fan motor assembly speeds and auxiliary electrical elements (2-pipe + 2-wire version) are available on a terminal block without control unit. **MAJOR 2** is easy to use, and can be fitted with optional factory fitted and tested CIAT electronic regulation systems for improved comfort and expenditure control:

- MAJOR 2 with V30 electronic control.
- MAJOR 2 with V200 electronic control.
- MAJOR 2 with V2000® electronic control.
- MAJOR 2 with V3000 electronic control.

In this configuration, simply connect the water and electricity and immediately feel the benefits of the **MAJOR 2** unit.

* see terminal units controls



CIAT takes part in the EUROVENT fan coil unit certification programme. See performances in Eurovent mode, on last page of the range. The list of products and certified characteristics is given in the EUROVENT directory and on the web site www.eurovent-certification.com



TECHNICAL DESCRIPTION

Casing

Galvanized sheet metal
Insulation in melamine resin, open cells flexible foam, with aluminium film, M1, 10 mm thick.

Pre-cut hole for treated fresh air inlet.

Sound-proofed expansion box integrated in the unit

Bottom inspection panels for access and dismantling of the unit's main components.

Y Mode: one or more Ø 200 mm circular spigots in auto-extinguishable polymer material.

I Model: rectangular sleeve discharge.

Upper panel with fixation oblong holes.

Water coil (2 or 4-pipe system)

New concept of high performance compact coil, with new geometry fins.

Galvanized sheet metal.

Copper tubes, continuous fins in aluminium

Hydraulic connectors of coils piping with 40 mm between axis.

Connections on the left or right sides of the unit, when facing the discharge.

Air vents and drains integrated in the piping.

Nominal pressure: 16 bar (at 20°C).

Test pressure 24 Bar.

Max water temperature: 110 °C (PN 10).

Electrical battery (2-pipe system + electric)

230/1/50 monotubes electrical elements inserted in the aluminium block.

2 capillary type temperature limiters, manual and automatic reset, inserted in the aluminium block

Condensates recovery drain pan

Polymer material drain pan

Without water retention, condensates drain at the same level

as the drain pan bottom, inclined.

Drain connectors manually reversible towards the front or the rear.

4 drainage diameters: 15, 16, 22 or 28 mm in standard.

Fan motor assembly

■ Motor

7 speeds, 3 are pre-wired in factory (possibility of modifying this wiring on site).

Enclosed type, tropicalised, with protected shaft and ball-bearings.

Permanent capacitor.

Automatic thermal protector with standard thermal cut-out on the coil.

Resilient mounts.

Electrical supply 230/1/50.

Reduced electrical consumption.

■ Fan(s)

Galvanized sheet metal casing.

Dynamically-balanced dual-inlet impeller(s) with forward-curved blades. V0 fire rating.

Air filter

Positioned on the fan coil intake.

Flexible filtering media in polyester fibers, cleanable.

Efficiency Class EN 779: G3.

Fire resistance: M1.

Electrical box

Enclosed box on the hydraulic connections side (NCH).

Electrical connection terminal box on DIN railing as per EN 50022- 7.5 mm depth.

Cables stops for customer's connection.

Note: Refer to installation brochures for further information.

CONTROL DEVICES

Range of wall-mounted electromechanical thermostats
V30 and V200 electronic range.

V2000® and V3000 communicating electronic range
LON control, consult us.

ACCESSORIES

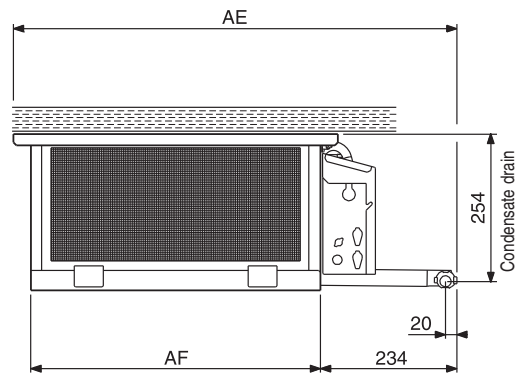
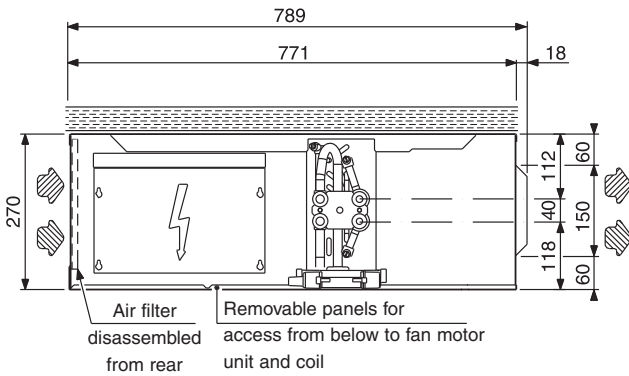
Extra diam. 200mm discharge sleeve (NCH Y).
Intake sleeve for connection to a rectangular duct.
Recovery plenum with diam. 200 mm intake inlet(s) for ducting (H application).
Diam. 100 mm smooth sleeve for treated fresh air inlet.

Diam. 100 mm smooth sleeve with self-adjustable module for treated fresh air inlet.
Resilient mounts for fixations.
Condensates draining pump.

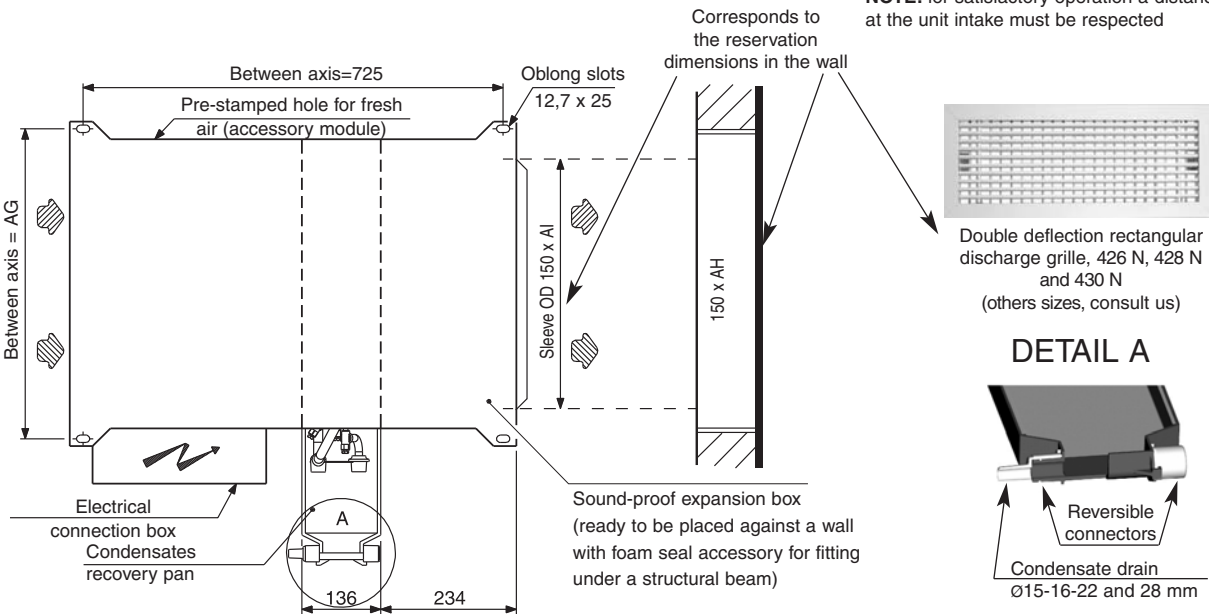
OPTION (CONSULT US)

- Additional spigots (NCH Y).
- Other spigot diameters (NCH Y).
- 60 Hz operation (230V).
- High Energy Efficiency (HEE) motor.

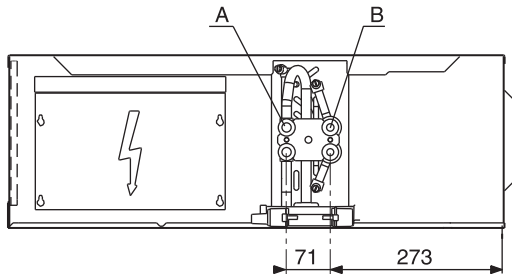
DIMENSIONS OF NCH MODEL (RECTANGULAR DISCHARGE)



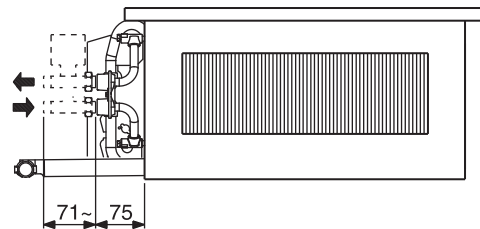
NOTE: for satisfactory operation a distance of > 250 mm at the unit intake must be respected



Hydraulic connections



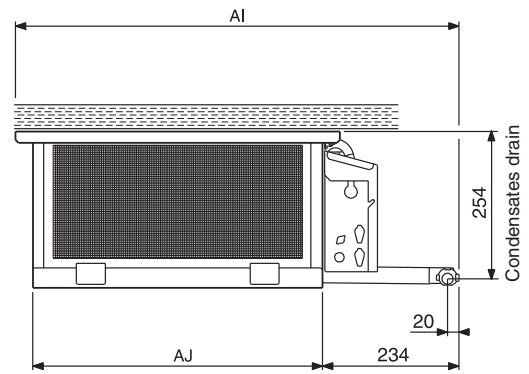
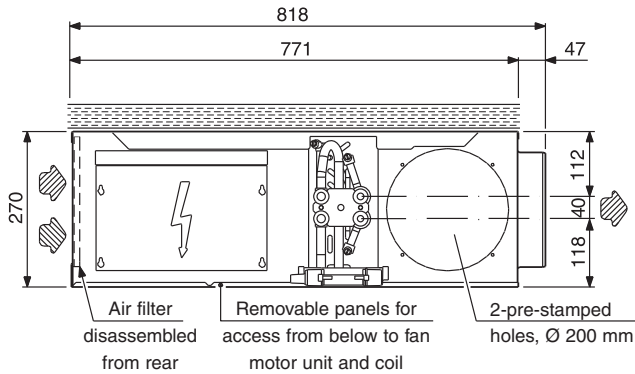
Double sleeve **A-B**
A cold water coil (2-pipe system) | **B** hot water coil (4-pipe system)



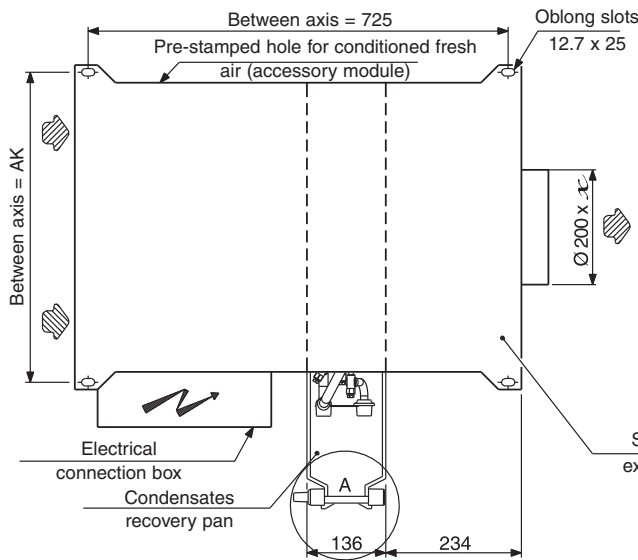
MAJOR 2 NCH model I	AE	AF	AG	AH	AI	Mass kg	Dimensional drawing
426 N	765	505	535	400	400	26	7065443
428 N	965	705	735	600	600	30	
430 N	1165	905	935	800	800	40	
432 N	1365	1105	1135	1000	1000	46	
434 / 435 N	1565	1305	1335	1200	1200	54	



DIMENSIONS OF NCH MODEL (CIRCULAR DISCHARGE)



NOTE: for satisfactory operation a distance of > 250 mm at the unit intake must be respected



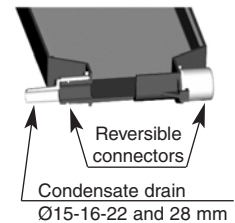
PLENUM TYPES
Ø 200 mm spigot(s)

- NCH 426 N
- NCH 428 N
- NCH 430 N
- NCH 432 N
- NCH 434 / 435 N

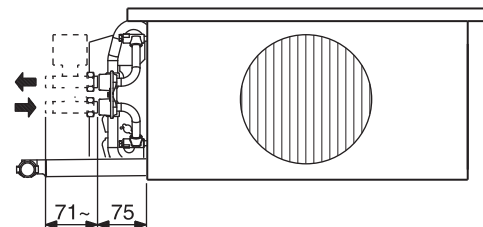
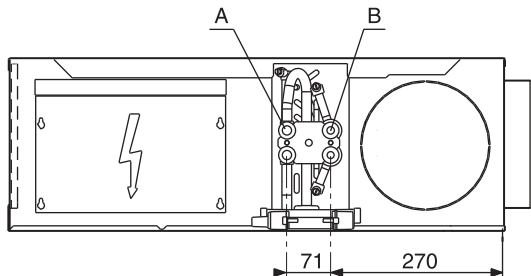
X = number of spigots

Max air flow rate advised per Ø200 outlet: 400 m³/h
* See user's brochure for aeraulic balance

DETAIL A



Hydraulic connections



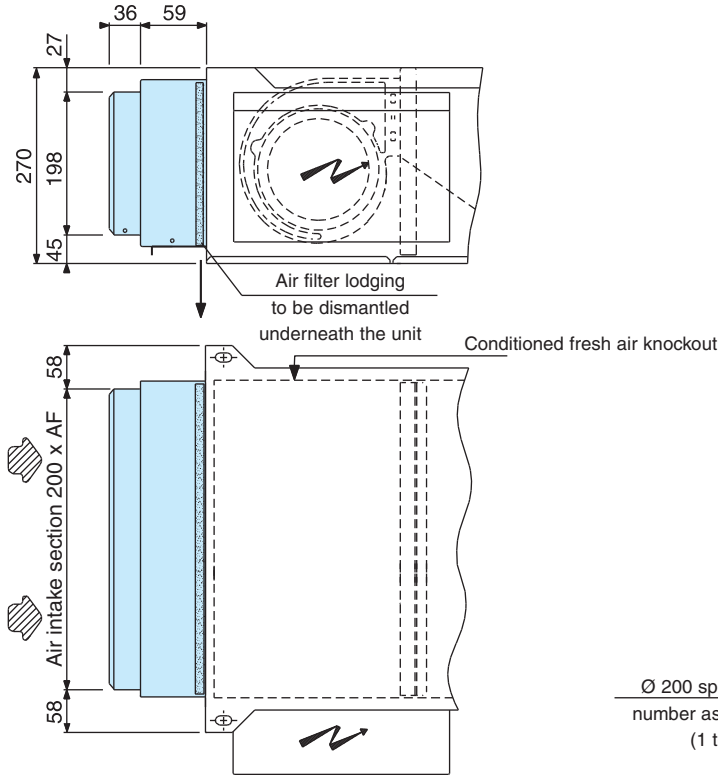
Double sleeve A-B
A cold water coil (2-pipe system) | B hot water coil (4-pipe system)

MAJOR 2 NCH model Y	AI	AJ	AK	Mass kg	Dimensional drawing
426 N	765	505	535	26	5976176
428 N	965	705	735	30	
430 N	1165	905	935	40	
432 N	1365	1105	1135	46	
434 / 435 N	1565	1305	1335	54	

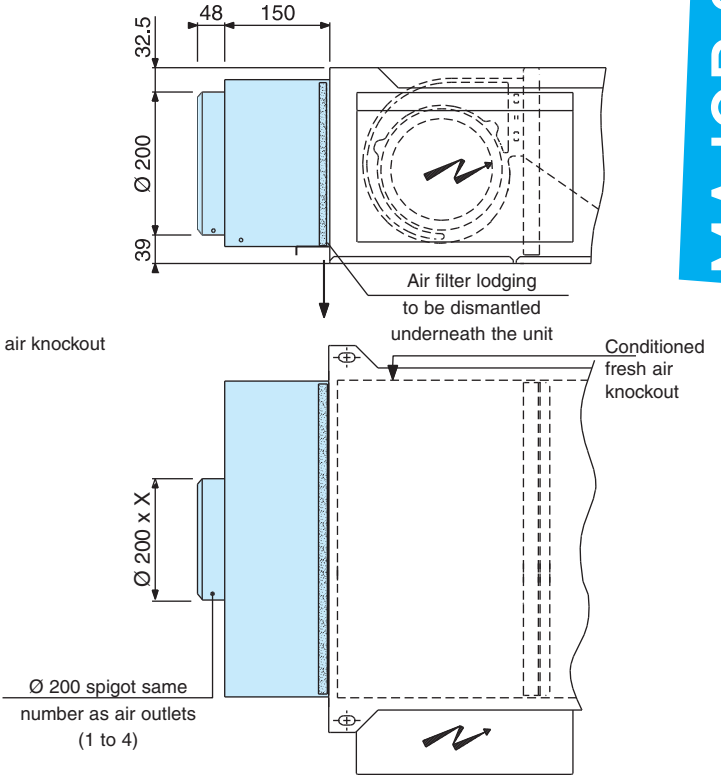


DIMENSIONS OF NCH ACCESSORIES FOR I AND Y MODELS

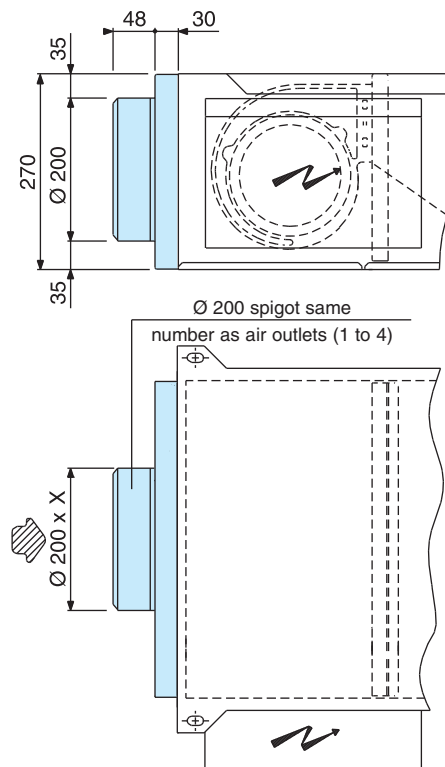
Recovery sleeve, smooth sheet metal, rectangular, without insulation



Recovery plenum, smooth sheet metal, Ø 200 mm for H application, with filter



Recovery plenum, smooth sheet metal Ø 200 for H application, without filter



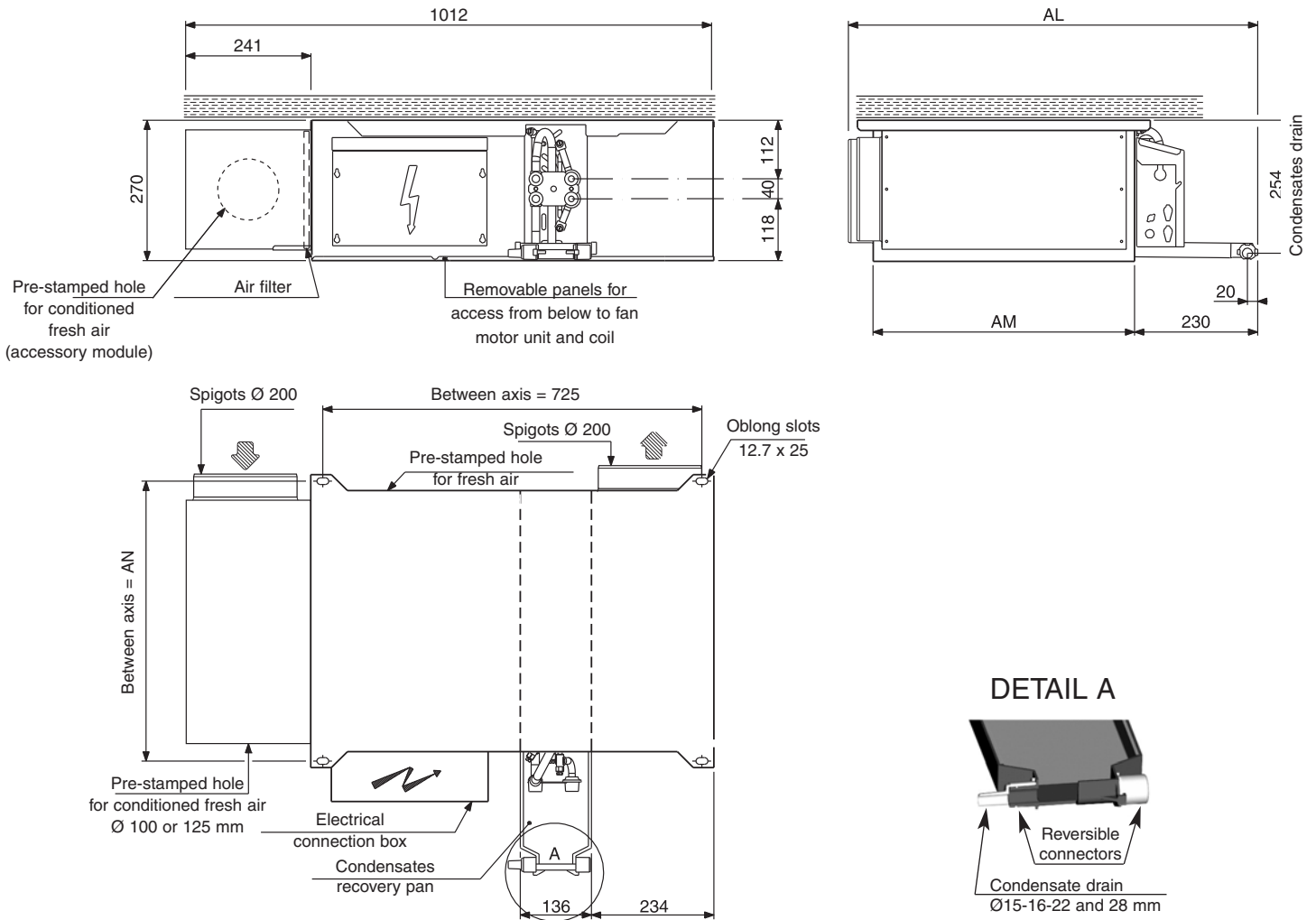
Max. air flow rate recommended per Ø 200 outlet: 500 m³/h

MAJOR 2 NCH	AF	X (Number of spigots)
426 N	450	1
428 N	650	2
430 N	850	2
432 N	1050	3
434 / 435 N	1250	4

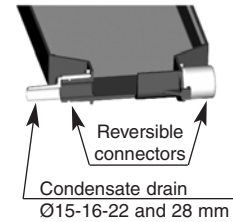
Note: In the case of a plenum without filter, the installer should allow for his own filter on the recovery grille.



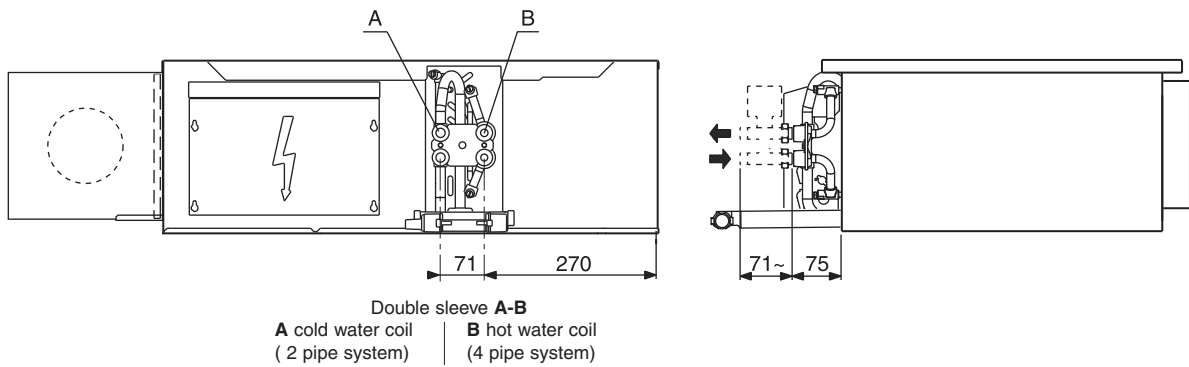
DIMENSIONS OF NCH U MODEL



DETAIL A



Hydraulic connections



MAJOR 2 NCH U model	AL	AM	AN	Mass kg	Dimensional drawing
426 N*	780	505	535	28	7106685
428 N*	980	705	735	33	

* Both sizes are available with an HEE motor



TECHNICAL CHARACTERISTICS



Note: images of the valve motors are for information only and are not contractually binding.

Piping diameter at fan coil outlets (tapped connectors)

The diameters of the female tapped fittings on coil connection pipes are standardised (see above drawing dimension T)

MAJOR 2		426 N	428 N	430 N	432 N	434 N	435 N
2- pipe sytem	Heating or cooling coil	3/8 "	3/8 "	3/8 "	3/8 "	1/2"	1/2 "
	Cooling coil	3/8 "	3/8 "	3/8 "	3/8 "	1/2 "	1/2 "
4- pipe sytem	Heating coil	3/8 "	3/8 "	3/8 "	3/8 "	3/8 "	3/8 "

Diameters of valve outlets (threaded connectors)

The diameters of the valves' male threaded connections are standardised (see above drawing dimension T2)

MAJOR 2		426 N	428 N	430 N	432 N	434 N	435 N
2- pipe sytem	Heating or cooling coil	1/2 "	1/2 "	1/2 "	1/2 "	3/4"	3/4"
	Cooling coil	1/2 "	1/2 "	1/2 "	1/2 "	3/4"	3/4"
4- pipe sytem	Heating coil	1/2 "	1/2 "	1/2 "	1/2 "	1/2 "	1/2 "

For units fitted with customer's control valves, an intermediate two-part male/female connector is needed between the coil connector and the valve(s). This connector is available as an accessory (1, 2 or 4 connectors are required depending on the configuration (2 or 4-pipe) and the valve type (2-way or 4-way) - consult us).

When a CIAT valve-based control system is used, the two-part connector is integrated in the control loop.

Coils content (in litres)

MAJOR 2		426 N	428 N	430 N	432 N	434 N	435 N
2- pipe sytem	Heating or cooling coil	0,53	0,76	0,99	1,32	1,58	1,58
	Cooling coil	0,53	0,76	0,99	1,32	1,58	1,58
4- pipe sytem	Heating coil	0,13	0,13	0,25	0,20	0,24	0,24

Motor electrical characteristics (230/1/50)

MAJOR 2	Motor ref.	426 N	428 N	430 N	432 N	434 N	435 N
Absorbed power (W)	R1	63	101	116	115	149	163
	R2	55	88	95	94	132	142
	R3	47	73	78	78	117	124
	R4	40	63	66	64	103	106
	R5	36	58	58	57	94	97
	R6	32	52	52	51	86	86
	R7	28	47	47	45	77	76
Absorbed Current (A)	R1	0,27	0,44	0,50	0,50	0,65	0,71
	R2	0,24	0,38	0,41	0,41	0,57	0,62
	R3	0,20	0,32	0,34	0,34	0,51	0,54
	R4	0,17	0,27	0,29	0,28	0,45	0,46
	R5	0,16	0,25	0,25	0,25	0,41	0,42
	R6	0,14	0,23	0,23	0,22	0,37	0,37
	R7	0,12	0,20	0,20	0,20	0,33	0,33

* Sizes 426 SP N, 428 SP N, 432 SP N characteristics are identical to those of size 434 N



THERMAL PERFORMANCES FOR NON-CASED MODELS

Cold water temperature: 7 / 12°C, summer air temp.: 27°C 50 % RH - Hot water temperature: 90 / 70°C, winter air temp: 19°C.

Major 2 NCH	Motor ref.	Air flow m³/h	Available static pressure Pa (1)	Heating capacity 2-pipe system W	Cooling capacity W		Heating capacity 4-pipe system W coil	ISO or NR comfort level	Mean air temperature rise in K (2) Auxiliary electric battery 230 / 1 / 50			
					Totale	Sensible			1 R	2R		
426 N	R1	470	40	7 030	2 890	2 160	4 030	33	600	1 200	3,8	7,6
	R2	425		6 460	2 680	1 990	3 810	31			4,2	8,4
	R3	375		5 810	2 430	1 780	3 550	28			4,8	9,5
	R4	325		5 100	2 150	1 570	3 250	24			5,5	11,0
	R5	265		4 300	1 840	1 330	2 880	20			6,7	13,4
	R6	210		3 480	1 510	1 080	2 470	<15			8,5	17,0
	R7	140		2 420	1 070	752	1 870	<15			12,7	25,5
428 N	R1	665	40	9 810	3 560	2 730	5 520	37	800	1 600	3,6	7,1
	R2	605		9 060	3 320	2 520	5 230	35			3,9	7,9
	R3	530		8 110	3 010	2 270	4 850	31			4,5	9,0
	R4	450		7 030	2 650	1 980	4 390	27			5,3	10,6
	R5	380		6 080	2 330	1 730	3 960	22			6,3	12,5
	R6	300		4 920	1 920	1 410	3 400	17			7,9	15,8
	R7	225		3 750	1 480	1 080	2 770	<15			10,6	21,1
430 N	R1	845	40	14 200	5 210	3 960	7 750	38	1 200	2 400	4,2	8,4
	R2	740		12 700	4 720	3 540	7 170	34			4,8	9,6
	R3	615		10 900	4 120	3 030	6 450	29			5,8	11,6
	R4	510		9 200	3 560	2 570	5 730	25			7,0	14,0
	R5	425		7 810	3 070	2 190	5 090	20			8,4	16,8
	R6	325		6 080	2 450	1 710	4 210	<15			11,0	21,9
	R7	235		4 470	1 840	1 270	3 300	<15			15,2	30,3
432 N	R1	830	40	14 100	5 210	3 950	5 530	34	1 400	2 800	5,0	10,0
	R2	720		12 500	4 660	3 490	5 080	30			5,8	11,6
	R3	600		10 600	3 980	2 940	4 530	26			6,9	13,9
	R4	495		8 920	3 200	2 380	4 000	20			8,4	16,8
	R5	410		7 490	2 570	1 900	3 510	16			10,1	20,3
	R6	325		6 050	1 790	1 370	2 960	<15			12,8	25,6
	R7	235		4 420	1 330	1 050	2 290	<15			17,7	35,4
434 N	R1	1220	40	19 200	6 840	5 260	7 430	37	2 000	4 000	4,9	9,7
	R2	1125		17 900	6 430	4 920	7 100	34			5,3	10,6
	R3	1005		16 300	5 870	4 480	6 650	32			5,9	11,8
	R4	890		14 600	5 180	3 980	6 170	29			6,7	13,3
	R5	745		12 500	4 360	3 350	5 520	25			8,0	15,9
	R6	625		10 700	3 670	2 800	4 930	21			9,5	19,0
	R7	465		8 180	2 850	2 130	4 030	16			12,8	25,5
435 N	R1	1235	40	19 300	6 890	5 350	7 470	37	2 000	4 000	4,8	9,6
	R2	1175		18 500	6 620	5 120	7 260	36			5,1	10,1
	R3	1075		17 200	6 170	4 740	6 900	33			5,5	11,1
	R4	955		15 600	5 580	4 230	6 450	31			6,2	12,4
	R5	835		13 800	4 890	3 750	5 940	27			7,1	14,2
	R6	680		11 500	4 010	3 070	5 210	23			8,7	17,5
	R7	535		9 310	3 250	2 480	4 450	18			11,1	22,2

(1) For higher available pressures, consult us. 40 Pa is the medium static pressure with the nominal air flow rate of an aeraulic network ducted to the inlet and the outlet. Table with hypothetical sound attenuations of the room and installation of 18dB for 426 N to 430 N and 20dB for 423 N to 435 N for a MAJOR 2 NCH ducted at the intake and discharge. Should the unit not be ducted to the inlet, add 4 dB to the above comfort levels.

(2) Please note, the air discharge temperature must not exceed 65°C. (CIAT recommendation)

Standard factory wiring



Ductable units

MAJOR 2 NCH

MAJOR 2 HORIZONTAL WITHOUT CASING		STANDARD UNIT								
		Water coil only				Water coil + electric battery				
		Connections on the left		Connections on the right		Connections on the left		Connections on the right		
		2- pipe system	4- pipe system	2- pipe system	4- pipe system	2- pipe + 2 wire system	2 elements	2- pipe + 2 wire system	2 elements	
NCH I Model with rectangular discharge	426 N	Code	5877000	5877024	5877006	5877030	600 W 5877048	+ 1200 W 5877072	+ 600 W 5877054	+ 1200 W 5877078
			●	●	●	●	●	●	●	●
	428 N*	Code	5877001	5877025	5877007	5877031	+ 800 W 5877049	+ 1600 W 5877073	+ 800 W 5877055	+ 1600 W 5877079
			●	●	●	●	●	●	●	●
	430 N	Code	5877002	5877026	5877008	5877032	+ 1200 W 5877050	+ 2400 W 5877074	+ 1200 W 5877056	+ 2400 W 5877080
			●	●	●	●	●	●	●	●
	432 N*	Code	5877003	5877027	5877009	5877033	+ 1400 W 5877051	+ 2800 W 5877075	+ 1400 W 5877057	+ 2800 W 5877081
			●	●	●	●	●	●	●	●
	434 N	Code	5877004	5877028	5877010	5877034	+ 2000 W 5877052	+ 4000 W 5877076	+ 2000 W 5877058	+ 4000 W 5877082
			●	●	●	●	●	●	●	●
	435 N	Code	5877005	5877029	5877011	5877035	+ 2000 W 5877053	+ 4000 W 5877077	+ 2000 W 5877059	+ 4000 W 5877083
			●	●	●	●	●	●	●	●
NCH Y Model (1) with circular discharge	426 N*	Code	5877012	5877036	5877018	5877042	+ 600 W 5877060	+ 1200 W 5877084	+ 600 W 5877066	+ 1200 W 5877090
			●	●	●	●	●	●	●	●
	428 N*	Code	5877013	5877037	5877019	5877043	+ 800 W 5877061	+ 1600 W 5877085	+ 800 W 5877067	+ 1600 W 5877091
			●	●	●	●	●	●	●	●
	430 N	Code	5877014	5877038	5877020	5877044	+ 1200 W 5877062	+ 2400 W 5877086	+ 1200 W 5877068	+ 2400 W 5877092
			●	●	●	●	●	●	●	●
	432 N*	Code	5877015	5877039	5877021	5877045	+ 1400 W 5877063	+ 2800 W 5877087	+ 1400 W 5877069	+ 2800 W 5877093
			●	●	●	●	●	●	●	●
	434 N	Code	5877016	5877040	5877022	5877046	+ 2000 W 5877064	+ 4000 W 5877088	+ 2000 W 5877070	+ 4000 W 5877094
			●	●	●	●	●	●	●	●
	435 N	Code	5877017	5877041	5877023	5877047	+ 2000 W 5877065	+ 4000 W 5877089	+ 2000 W 5877071	+ 4000 W 5877095
			●	●	●	●	●	●	●	●
* Extra price for NCH model size 426 SP N, 428 SP N or 432 SP N (consult us for characteristics)	Code	E040290								
		●	●							

(1) Price for U model, consult us.







See page on control devices for a complete offer : terminal unit + control



Ductable units

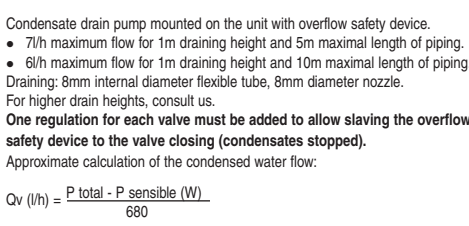
MAJOR 2 NCH

ACCESSORIES FOR NON-CASED MAJOR 2 (SUPPLIED SEPARATELY)

Model	Description	426 N	428 N	430 N	432 N	434 N	435 N
NCH	SU1  Resilient mounts supplied separately (4 per unit necessary) Code				0219453		
NCH	MO1  Smooth sleeve Ø 100 mm with nuts and screws delivered separately. Code				7013442		
NCH	MO7  Smooth spigot Ø 100 mm* with air flow rate controller, with integrated gasket. Packed with nuts and screws and a drawing. The air flow rate controller is designed to supply a determined flow** with air differential pressure between 50 and 100 Pa. 15 / 30 / 45 m³/h** Code				7013440		
	MO4 * Ø 125 mm, consult us.** 3 flow rates are available by use of 3 clips. The lower air flow is by default. 60 / 75 / 90 m³/h** Code				7013544		
NCH	M17  Smooth sheet metal circular discharge sleeve Ø 200 Code				5435061		
NCH	RA1  Two-piece male/female (3/8" < 1/2") coupling with seal Code				5202314 + 5200708		
	RA2 Two-piece male/female (1/2" < 3/4") coupling with seal Code					5202313 + 5202079	
	 Extended condensate pan collects condensates beneath the fittings Code				7158842		

Accessories are in stock to meet your requirements at short notice.

ACCESSORIES FOR NON-CASED MAJOR 2 (MOUNTED ON THE UNIT)

Model	Description	426 N	428 N	430 N	432 N	434 N	435 N	
NCH	PR1  Condensate drain pump mounted on the unit with overflow safety device. <ul style="list-style-type: none"> • 7l/h maximum flow for 1m draining height and 5m maximal length of piping. • 6l/h maximum flow for 1m draining height and 10m maximal length of piping. Draining: 8mm internal diameter flexible tube, 8mm diameter nozzle. For higher drain heights, consult us. One regulation for each valve must be added to allow slaving the overflow safety device to the valve closing (condensates stopped). Approximate calculation of the condensed water flow: $Q_v \text{ (l/h)} = \frac{P_{\text{total}} - P_{\text{sensible}} \text{ (W)}}{680}$ Code				E045004			
NCH	M18 Rectangular smooth sheet metal recovery sleeve without insulation, with filter casing (mounted on unit in factory). Code	5870050	5870051	5870052	5870053	5870054		
NCH	PL5 Recovery plenum with Ø 200 mm circular spigots in auto-extinguishable polymer material and filter casing (mounted on unit in factory). For H application. Code	5870055	5870056	5870057	5870058	5870059		
NCH	PL50 Recovery plenum with Ø 200 mm circular spigots in auto-extinguishable polymer material and without filter*** (mounted on unit in factory). For H application. Code	E046310	E046329	E046337	E046345	E046353		
NCH	Additional price for Ø 200 mm sheet metal spigot to replace standard polymer spigot	Y Model		Code	E046363	E046364	E046365	E046369
		Y Model		Code	E046366	E046367	E046368	E046370
		+ recovery plenum						

*** Units are in stock to meet your requirements at short notice.



Ductable units

MAJOR 2 NCH

EUROVENT PERFORMANCES - 2-PIPE SYSTEM

CIAT takes part in the EUROVENT fan coil unit certification program. In order to benefit from the latest updates, we advise you to consult the EUROVENT Internet site www.eurovent-certification.com



EUROVENT mode, 2-pipe system: - Summer: cold water 7/12°C, air 27°C WB 19°C
- Winter: hot water inlet 50°C for a determined water flow in summer mode, air 20°C
For ductable units, the air flows are determined for an available static pressure of 50Pa in medium speed.

Major 2 NCH	Motor reference	Air flow	Available static pressure	Sensible cooling capacity	Total cooling capacity	Total heating capacity	Dp Cooling	Dp Heating	Lw Diffusion	Lw air intake + radiated
		m³/h		kW	kW	kW	kPa	kPa	dB _A	dB _A
426 N	R1	355	70	1.630	1.970	2.320	18.6	15.9	53	56
	R3	300	50	1.410	1.720	2.010	14.4	12.5	48	51
	R5	225	28	1.080	1.340	1.550	9.07	8.02	41	43
428 N	R1	535	71	2.190	2.540	3.320	16.7	14.3	55	58
	R3	450	50	1.890	2.220	2.880	13.0	11.3	51	53
	R5	340	29	1.480	1.760	2.240	8.47	7.44	43	46
430 N	R1	555	76	2.670	3.220	4.030	25.8	21.8	57	60
	R3	450	50	2.190	2.700	3.350	18.7	16.0	51	54
	R5	325	26	1.640	2.070	2.510	11.4	9.98	43	45
432 N	R1	670	62	3.140	3.690	4.770	19.5	16.7	55	58
	R2	600	50	2.820	3.330	4.330	16.2	13.9	52	55
	R4	435	26	1.930	2.260	3.180	8.02	7.01	44	46
434 N	R1	995	66	4.230	4.880	6.550	15.4	13.7	57	60
	R3	865	50	3.690	4.230	5.780	11.8	10.5	54	56
	R5	670	30	2.860	3.260	4.570	7.28	6.59	48	50
435 N	R1	1050	62	4.450	5.100	6.860	16.8	14.8	57	60
	R3	940	50	3.970	4.610	6.250	13.9	12.3	55	58
	R5	765	33	3.260	3.730	5.160	9.36	8.42	50	52

EUROVENT PERFORMANCES - 4-PIPE SYSTEM

CIAT takes part in the EUROVENT fan coil unit certification program. In order to benefit from the latest updates, we advise you to consult the EUROVENT Internet site www.eurovent-certification.com



EUROVENT mode, 4-pipe system: - Summer: cold water 7/12°C, air 27°C WB 19°C
- Winter: hot water 70/60°C, air 20°C

For ductable units, the air flows are determined for an available static pressure of 50Pa in medium speed.

Major 2 NCH	Motor reference	Air flow	Available static pressure	Sensible cooling capacity	Total cooling capacity	Total heating capacity	Dp Cooling	Dp Heating	Lw Diffusion	Lw air intake + radiated
		m³/h		kW	kW	kW	kPa	kPa	dB _A	dB _A
426 N	R1	355	70	1.640	1.970	2.490	18.6	12.6	53	56
	R3	300	50	1.410	1.720	2.250	14.4	10.6	48	51
	R5	225	28	1.080	1.340	1.860	9.07	7.56	41	43
428 N	R1	535	71	2.190	2.540	3.470	16.7	33.9	55	58
	R3	450	50	1.890	2.220	3.140	13.0	28.5	51	53
	R5	340	29	1.480	1.760	2.620	8.47	20.7	43	46
430 N	R1	555	76	2.680	3.220	4.270	25.8	46.3	57	60
	R3	450	50	2.200	2.700	3.730	18.7	36.6	51	54
	R5	325	26	1.640	2.070	2.990	11.4	24.8	43	45
432 N	R1	670	62	3.150	3.690	3.510	19.5	11.0	55	58
	R2	600	50	2.820	3.330	3.280	16.2	9.70	52	55
	R4	435	26	1.930	2.260	2.640	8.02	6.58	44	46
434 N	R1	995	66	4.240	4.880	4.760	15.4	15.9	57	60
	R3	865	50	3.700	4.230	4.370	11.8	13.6	54	56
	R5	670	30	2.870	3.260	3.710	7.28	10.1	48	50
435 N	R1	1050	62	4.460	5.100	4.920	16.8	16.8	57	60
	R3	940	50	3.970	4.610	4.610	13.9	15.0	55	58
	R5	765	33	3.260	3.730	4.040	9.36	11.8	50	52

Dp: Water pressure drop in kPa

Lw: Overall sound power level in dBA