

HCN

Terminal units slim/reduced with Brushless DC and AC Asynchronous motor

6 kW ÷ 20 kW



- Self-supporting structure in galvanised sheet metal with thermal-acoustic insulation (S version) or 20 mm double sandwich panel with pre-painted white RAL 9002 external sheet metal (D version); with ceiling/wall fixing holes, small size and optimised overall dimensions.
- Double-sloped condensate drip tray.
- High-efficiency heat exchange coil in copper tube and aluminium fins, standard connections on the right side.
- Double-intake centrifugal fans with plastic fans with forward curved blades, wing profile, large diameter, mounted on elastic supports and shock absorbers.
- The unit is equipped with an IP20 "Mammoth" type terminal box mounted on the outside of the unit.
- The HCN series ductable units are supplied without an air filter. A wide range of filters is available in the accessories section.

Versions



S-OIP

Single panel, horizontal naked terminal, rear air intake



S-OII

Single panel, horizontal naked terminal, bottom air intake



D-OIP

Double panel, horizontal naked terminal, rear air intake



D-OII

Double panel, horizontal naked terminal, bottom air intake

Versions

S-OIP

Single panel, horizontal naked terminal, rear air intake

D-OIP

Double panel, horizontal naked terminal, rear air intake

S-OII

Single panel, horizontal naked terminal, bottom air intake

D-OII

Double panel, horizontal naked terminal, bottom air intake

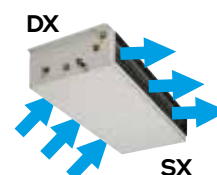
Nomenclature

When ordering, always specify complete model like the example.

HCN	-	S	-	OIP	-	130	-	DX
Series		Main casing		Version		Size		Connections
HCN		S; D		OIP-OII		60.....200		DX; SX



HCN-S-OIP 130-DX



HCN		60	75	86	103	130	136	150	170	200
Cooling capacity (1) (*)	W	6.010	7.480	8.590	10.300	12.900	13.600	15.000	17.200	20.200
Sensible capacity (1) (*)	W	4.570	5.560	6.160	8.100	9.950	10.800	11.100	13.300	14.900
Heating capacity (2) (*)	W	6.550	7.900	8.300	11.700	14.400	15.650	15.200	19.400	20.400
Heating capacity (3) (*)	W	13.100	15.800	16.600	23.400	28.800	31.300	30.400	38.800	40.800
Portata d'aria (4)	m³/h	1.100	1.200	1.150	2.100	2.300	2.800	2.200	3.100	2.950
Sound pressure Min-Med-Max (5)	dB(A)	37-44-49	38-45-50	38-45-50	45-50-52	46-51-53	41-48-51	46-51-53	42-49-52	42-49-52
Nominal power consumption	W	200	200	200	340	340	340	320	320	320
Rated current	A	0,9	0,9	0,9	1,65	1,65	1,65	1,50	1,50	1,50
N° motors / n° fans		1 / 1	1 / 1	1 / 1	1 / 2	1 / 2	1 / 2	1 / 3	1 / 3	1 / 3
Maximum useful static pressure	Pa	148	152	152	138	142	142	132	136	136
n° of rows	n°	3	3	4	3	3	4	3	3	4
Mixed battery hot/cold	hydraulic connection	ø	3/4" F	3/4" F	3/4" F	3/4" F	3/4" F	3/4" F	3/4" F	3/4" F
	water content	L	1,95	1,96	2,60	2,86	2,87	3,82	3,75	4,99

Heat outputs in 4-pipe version (HCN + BC)										
HCN		60	75	86	103	130	136	150	170	200
Cooling capacity (1) (*)	W	5.830	7.220	-	9.960	12.400	-	13.200	16.600	-
Sensible capacity (1) (*)	W	4.220	5.350	-	7.830	9.530	-	10.400	12.800	-
Heating capacity (3)	W	6.610	6.970	-	11.600	12.200	-	15.500	16.400	-
Air flow (4)	m³/h	1.050	1.140	-	2.000	2.170	-	2.670	2.930	-
Maximum useful static pressure	Pa	148	152	-	138	142	-	134	138	-

Note: Yields and air flow rates refer to the AC motor version, at 0 Pa head conditions. For different useful heads refer to air flow rate variation diagrams.

(1) Inlet air temperature: 27°C b.s./19.5°C b.u.

Inlet/outlet water temperature: 7°C / 12°C

(2) Inlet air temperature: 20°C b.s.

Inlet / outlet water temperature: 45°C / 40°C

(3) Inlet air temperature: 20°C b.s.

Inlet / outlet water temperature: 70°C / 60°C

(4) Nominal values measured with box ref. standards AMCA210-74 and duct + diaphragm ref. standards CNR-UNI10023

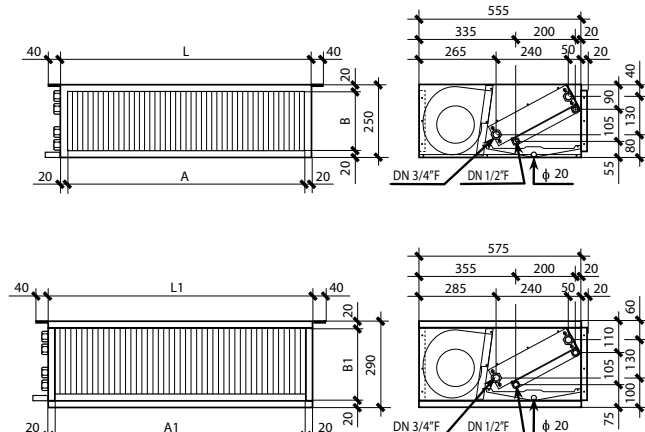
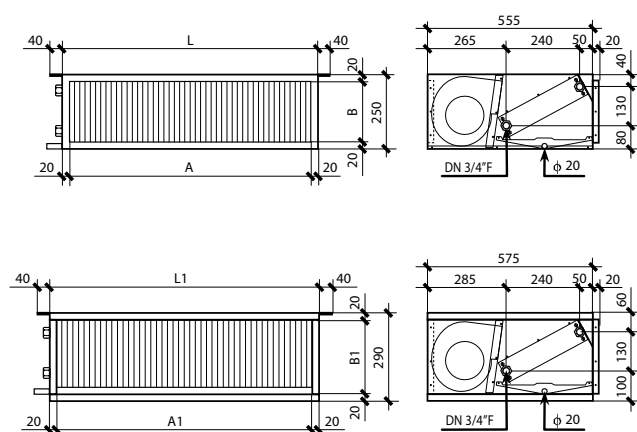
(5) In free field, distance 3 m. Values calculated from sound power measured in reverberation chamber ref. standards ISO3740 - ISO3742

(1)(2)(3)(4)(5) Nominal technical data ref. air flow rate (4) at max. speed and free field unit

(*) Maximum speed

DN=Nominal diameter; F=Female gas connections

Hot water exchanger



Version "S"

HCN	60	75	86	103	130	150	136	170	200
L mm	800	800	800	1.200	1.200	1.200	1.600	1.600	1.600
A mm	760	760	760	1.160	1.160	1.160	1.560	1.560	1.560
B mm	210	210	210	210	210	210	210	210	210
Weight kg	34	35	37	48	50	53	63	65	68

Version "D"

HCN	60	75	86	103	130	150	136	170	200
L1 mm	840	840	840	1.240	1.240	1.240	1.640	1.640	1.640
A1 mm	800	800	800	1.200	1.200	1.200	1.600	1.600	1.600
B1 mm	250	250	250	250	250	250	250	250	250
Weight kg	48	49	51	66	68	71	85	87	90

Version "S" - Hot water exchanger

HCN	60	75	103	130	136	170
L mm	800	800	1.200	1.200	1.600	1.600
A mm	760	760	1.160	1.160	1.560	1.560
B mm	210	210	210	210	210	210
Weight kg	36	37	51	53	67	69

Version "D" - Hot water exchanger

HCN	60	75	103	130	136	170
L1 mm	840	840	1.240	1.240	1.640	1.640
A1 mm	800	800	1.200	1.200	1.600	1.600
B1 mm	250	250	250	250	250	250
Weight kg	50	51	69	71	89	91