

CCT

Centrifugal fan condenser
Commercial range



HFC



|||| 11 - 130 kW



Versatility: the CCT offers 2 possible blowing directions and 8 air inlet/outlet combinations.

Fully removable for easy installation in cramped or hard-to-reach areas (DEM option).

CASING

Robust, made of galvanized sheet steel.

OPTIONS

UCC	Compressor box.	CONTACT US
PEI	White paint.	
IPH	Noise insulation.	
FLA	Suction filters.	
DEM	Removable device.	
ECB	Wooden crate packaging.	



VENTILATION

Centrifugal motor fans: pressure available up to 150 pascal, adapted performance.

"Double inlet" type fans with direct drive, rotation speed 1,000 rpm.

Motors protected by an enclosed casing with built-in thermal protector, IP54, class F, 230V/1/50Hz and 400V/3/50Hz.

Electrical connections are made in the factory in an easily accessible box (three-phase motor: factory coupling in 400V).

To facilitate pressure regulation by fan stop, the turbines are separated by a partition preventing air bypassing.

OPTIONS

CMU	Factory motor wiring.	
VPS	Blower louvred shutters.	KIT TO INSTALL
VVU	Variable speed drive.	CONTACT US
VVK	Variable speed drive.	KIT TO INSTALL CONTACT US



“ Select your coil treatment to extend your unit cooler’s lifespan! Contact us. ”

COILS

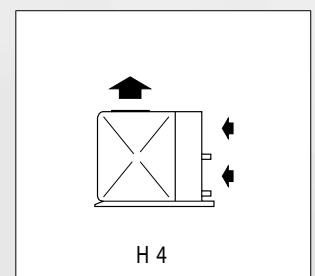
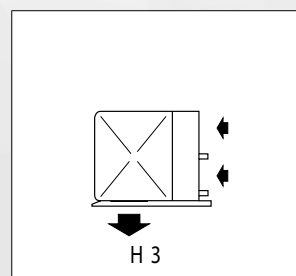
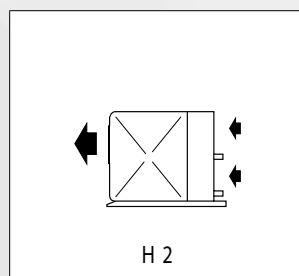
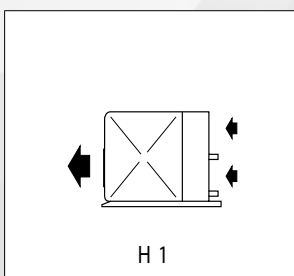
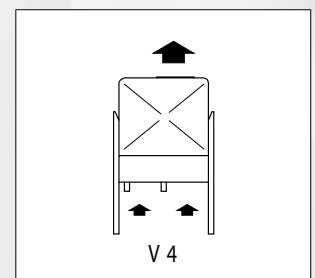
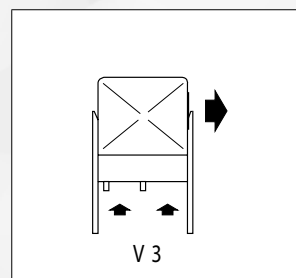
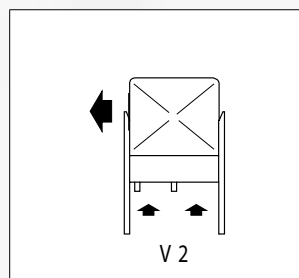
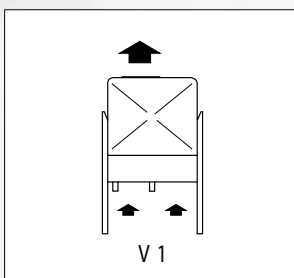
- # Aluminium fins with 2.12 mm spacing.
- # Combined with staggered copper tubes, the coils are very efficient and compact.

OPTIONS

MCI Multi-circuit.

PRODUCT ADVANTAGES

- # The two positions of the unit, vertical air or horizontal air, each offer four possibilities for orientation of the air outlets (to be specified when ordering):



- # Possibility on site of changing the position of the air outlet.
- # For installation that is difficult to access, condensers can be disassembled and reassembled on site.

DEM OPTION

CCT 1x^(A) 10M^(B) A3^(C)

(A) Number of turbines
 (B) 12T = Three-phase - 10M = Single-phase
 (C) Type of module

The CCT is available with HFCs.
 For more information, please consult our software.

CCT ... - 1,000 rpm

 2.12 mm

CONDITIONS			CCT ...	1x10M A3	1x10M B5	1x12T B2	1x12T B5	2x10M B5	2x12T B2	2x12T B5	3x12T B2	3x12T B5	4x12T B3	4x12T B5
0 Pa (2)	DT = 15K (1)	R449A	kW	14,8	20,1	24,5	33,7	40,1	49,1	67,5	73,8	101,1	115,2	135,0
	Power consumption		kW	0,59	0,63	2,10	1,92	1,26	4,20	3,84	6,29	5,76	8,14	7,68
	Airflow		m ³ /h	3540	3630	7080	6750	7260	14160	13500	21240	20250	27880	27000
	Acoustics	Lp (3)		dB(A)	44	44	55	54	46	58	56	59	58	60
Lw			dB(A)	75	75	86	85	78	90	88	91	90	92	91
50 Pa (2)	DT = 15K (1)	R449A	kW	14,2	19,6	24,1	32,7	38,9	48,3	65,5	72,5	98,0	112,7	130,9
	Power consumption		kW	0,54	0,58	1,98	1,79	1,15	3,97	3,58	5,95	5,36	7,69	7,15
	Airflow		m ³ /h	3340	3480	6880	6480	6960	13760	12960	20640	19440	27020	25920
	Acoustics	Lp (3)		dB(A)	44	44	55	53	46	57	55	58	57	59
Lw			dB(A)	75	75	86	84	78	89	87	90	89	91	90
100 Pa (2)	DT = 15K (1)	R449A	kW	13,2	18,3	23,9	31,1	36,5	48,0	62,1	72,0	93,2	108,8	124,7
	Power consumption		kW	0,49	0,52	1,85	1,60	1,04	3,70	3,20	5,56	4,80	7,10	6,40
	Airflow		m ³ /h	3010	3210	6810	6100	6420	13620	12200	20440	18290	25820	24390
	Acoustics	Lp (3)		dB(A)	42	42	53	51	44	56	54	57	55	58
Lw			dB(A)	73	73	84	82	76	88	86	89	87	90	89
150 Pa (2)	DT = 15K (1)	R449A	kW	12,0	16,0	22,6	29,0	32,2	45,3	57,8	68,1	86,8	103,6	115,7
	Power consumption		kW	0,43	0,45	1,66	1,40	0,90	3,32	2,80	4,99	4,19	6,26	5,59
	Airflow		m ³ /h	2590	2770	6220	5540	5540	12450	11070	18670	16610	23990	22140
	Acoustics	Lp (3)		dB(A)	40	40	52	50	42	54	52	56	54	56
Lw			dB(A)	71	71	83	81	74	86	84	88	86	88	87

(1) DT = difference between the ambient temperature and the condensing temperature considered to be equal to the pressure equivalent at the condenser inlet.
 (2) Additional available pressure in pascals.
 (3) Sound pressure in dB(A) measured at 10 m, parallelepiped measuring surface, in a free field over a reflecting plane, given as an indication only.
 (4) Multi-circuit condensers: M = maximum number of circuits.

CCT 1x_(A) 10M_(B) A3_(C)

(A) Number of turbines

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(C) Type of module

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CCT ... - 1,000 rpm

 2.12 mm

CCT ...		1x10M A3	1x10M B5	1x12T B2	1x12T B5	2x10M B5	2x12T B2	2x12T B5	3x12T B2	3x12T B5	4x12T B3	4x12T B5
Surface area	m²	39,9	98,7	49,3	98,7	197,4	98,7	197,4	148,0	296,1	263,2	394,7
Circuit volume	dm³	3,6	8,8	4,4	8,8	17,7	8,8	17,7	13,2	26,5	23,6	35,3
	Nb	1	1	1	1	2	2	2	3	3	4	4
Turbine	230V/1	W	670	670	-	-	670	-	-	-	-	-
	50 Hz	A max	2,9	2,9	-	-	2,9	-	-	-	-	-
	230-400V/3	W	-	-	3300	3300	-	3300	3300	3300	3300	3300
	50 Hz	A max	-	-	5,8	5,8	-	5,8	5,8	5,8	5,8	5,8
M (4)		3	6	4	6	11	8	11	11	16	22	22
Inlet	Ø	7/8"	1"1/8	1"1/8	1"1/8	1"3/8	1"3/8	1"5/8	1"5/8	1"5/8	1"5/8	1"5/8
Outlet	Ø	5/8"	7/8"	7/8"	7/8"	1"1/8	1"1/8	1"3/8	1"3/8	1"3/8	1"3/8	1"3/8
Net weight	kg	85	99	104	121	180	189	222	276	324	380	423

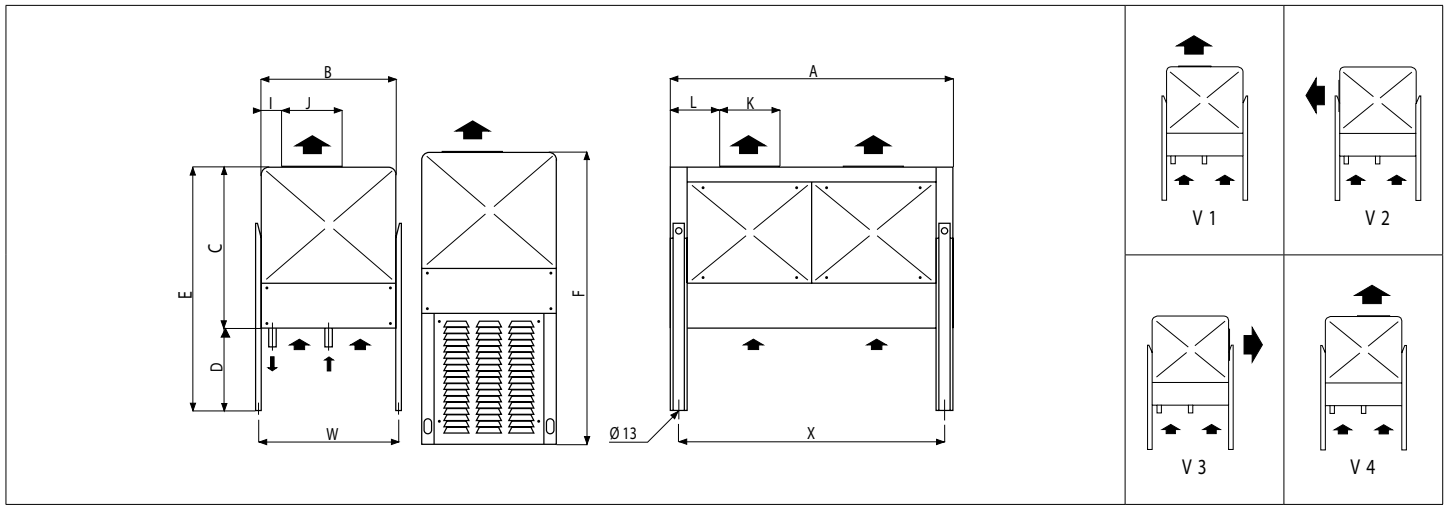
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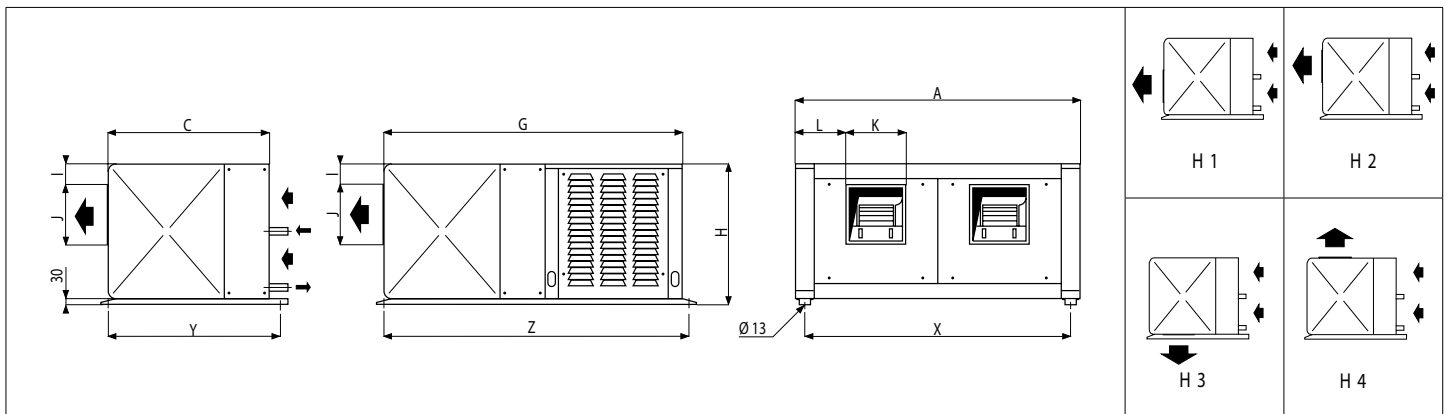
(3) Sound pressure in dB(A) measured at 10 m, parallelepiped measuring surface, in a free field over a reflecting plane, given as an indication only.

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CCT | Vertical airflow direction



CCT | Horizontal airflow direction



CCT

CCT ...		1x10M A3	1x10M B5	1x12T B2	1x12T B5	2x10M B5	2x12T B2	2x12T B5	3x12T B2	3x12T B5	4x12T B3	4x12T B5
A	mm	830	1150	1150	1150	2110	2110	2110	3070	3070	4030	4030
B	mm	695	795	795	795	795	795	795	795	795	795	795
C	mm	835	835	835	835	835	835	835	835	835	835	835
D	mm	400	400	400	400	400	400	400	400	400	400	400
E	mm	1235	1235	1235	1235	1235	1235	1235	1235	1235	1235	1235
F	mm	1500	1600	1600	1600	1600	1600	1600	-	-	-	-
G	mm	1530	1630	1630	1630	1630	1630	1630	-	-	-	-
H	mm	725	825	825	825	825	825	825	825	825	825	825
I (V)	mm	120	173	170	170	173	170	170	170	170	170	170
I (H)	mm	94	97	94	94	97	94	94	94	94	94	94
J	mm	290	290	342	342	290	342	342	342	342	342	342
K	mm	331	331	395	395	331	395	395	395	395	395	395
L	mm	250	410	377	377	410	377	377	377	377	377	377
W	mm	725	825	825	825	825	825	825	825	825	825	825
X	mm	735	1055	1055	1055	2015	2015	2015	2975	2975	3935	3935
Y	mm	900	900	900	900	900	900	900	900	900	900	900
Z	mm	1575	1675	1675	1675	1675	1675	1675	-	-	-	-