

AIR CONDENSERS

VERSION WITH AXIAL FANS



CRS 13 + FV



CR 14

CR... - CRS... - CRU... Series

1 refrigerant circuit - capacities from 6 to 99 kW

Packaged air condensers with axial fans for external installation, especially designed for reducing the noise level in the environment
Standard version provided with axial fans at horizontal air flow

The following versions are available:

CR... standard (6-pole axial fans)

CRS... silenced (6/8-pole axial fans)

CRU... ultra silenced (6/8-pole axial fans)

CR...K standard suitable for R407C ecological gas (6-pole axial fans)

CRS...K silenced suitable for R407C ecological gas (6/8-pole axial fans)

CRU...K ultra silenced suitable for R407C ecological gas (6/8-pole axial fans)

Made up of:

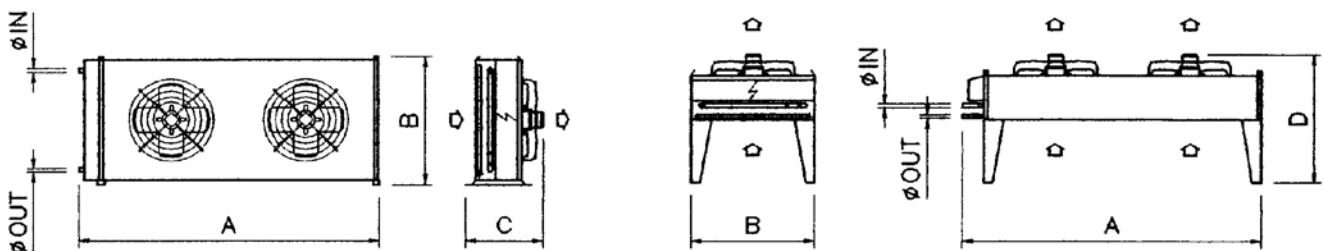
Panels completely made off in embossed aluminium plate to allow maximum resistance to corrosion. They are supplied complete with moving protection on curves side and on connector block/collectors side.

Fans of axial type with external rotor, low rpm, heating protection, low sound level blades with wing profile and protection grid.

Heat exchange coil manufactured with copper pipes and aluminium fins with possibility of special anti corrosive treatments (to be required when ordering).
Power supply 230V/1Ph/50Hz or 400V/3Ph/50Hz depending from the model.

Accessories

BW	External low temperature operation (-40 °C)
C2	2 circuits coil
CV	Fans wiring
FV	Support kit for version with vertical air flow
IM	Sea wood packing
RG	Electronic and modulating fan speed regulation
RM	Coil with epoxy painted fins
RR	Coil with copper fins



STANDARD VERSION

MODEL	CR...	8	11	14	18	27	30	36	46	49	53	59	71	90	97
Capacity with R22 1)	kW	7,6	10,7	14,0	17,4	25,9	28,8	35	44,3	47,9	51,6	57,8	70	88,6	95,6
Capacity with R407C 1)	kW	6,5	9,2	12	14,9	22,2	24,7	29,9	38	41,1	44,2	49,4	59,9	76	82
Axial fans															
Quantity	n	1	1	2	2	1	1	1	1	1	2	2	2	2	2
Total air flow	l/s	714	639	1389	1278	2083	2042	2944	2889	2722	4167	4083	5889	5778	5445
Total air flow	m³/h	2570	2300	5000	4600	7500	7350	10600	10400	9800	15000	14700	21200	20800	19600
Diameter	mm	350	350	350	350	500	500	600	600	600	500	500	600	600	600
Rotation speed	rpm	1400	1400	1400	1400	1210	1210	900	900	900	1210	1210	900	900	900
Motors power	kW	0,2	0,2	0,4	0,4	0,8	0,8	0,8	0,8	0,8	1,5	1,5	1,6	1,6	1,6
Nominal absorbed current	A	0,96	0,96	1,92	1,92	3,4	3,4	3,5	3,5	3,5	6,8	6,8	7	7	7
Sound pressure level 2)	dB(A)	45	45	48	48	44	44	46	46	46	47	47	49	49	49
Dimensions															
A	mm	764	770	1220	1216	1085	1085	1215	1215	1215	1965	1965	2215	2215	2215
B	mm	410	410	410	410	810	810	1110	1110	1110	810	810	1110	1110	1110
C	mm	314	314	314	314	506	506	606	606	606	506	506	606	606	606
D	mm	630	630	630	630	860	860	960	960	960	860	860	960	960	960
∅ In / ∅ Out	mm / mm	16/16	16/16	18/16	18/16	22/16	22/16	28/22	28/22	28/22	35/28	35/28	35/28	42/28	42/28
Weight	kg	13	16	22	24	43	43	63	69	79	74	84	115	128	146
Power supply 220 V / 1 Ph / 50 Hz + T															

1) Considering 16 °C of difference between inlet coil air temperature and condensing temperature
 2) Measured at 10 m in open field (ISO 3746)

SILENCED VERSION

MODEL	CRS...	7	10	13	22	25	29	35	42	57	67	85	99
Capacity with R22 1)	kW	7,3	10,8	12,7	20,5	24,2	27,8	33,7	41	55,5	65,5	83,3	98,3
Capacity with R407C 1)	kW	6,2	9,2	10,9	17,5	20,7	23,9	29	35,1	47,6	56,3	71,7	84,7
Axial fans													
Quantity	n	1	2	2	1	1	1	1	2	2	2	3	3
Total air flow	l/s	389	889	806	1583	1444	1861	1667	3167	3722	3611	5556	5417
Total air flow	m³/h	1400	3200	2900	5700	5200	6700	6000	11400	13400	13000	20000	19500
Diameter	mm	350	350	350	500	500	600	600	500	600	600	600	600
Rotation speed	rpm	945	945	945	890	890	650	650	890	650	650	650	650
Motors power	kW	0,1	0,2	0,2	0,3	0,3	0,4	0,4	0,6	0,8	0,8	1,2	1,2
Nominal absorbed current	A	0,37	0,74	0,74	1,3	1,3	1,8	1,8	2,6	3,6	3,6	5,4	5,4
Sound pressure level 2)	dB(A)	33	36	36	34	34	37	37	37	40	40	42	42
Dimensions													
A	mm	770	1220	1216	1085	1085	1215	1215	1965	2215	2215	3215	3215
B	mm	410	410	410	810	810	1110	1110	810	1110	1110	1110	1110
C	mm	314	314	314	506	506	606	606	506	606	606	606	606
D	mm	630	630	630	860	860	960	960	860	960	960	960	960
∅ In / ∅ Out	mm / mm	16/16	18/16	18/16	22/16	28/22	28/22	35/28	35/28	35/28	42/28	42/28	54/35
Weight	kg	16	22	24	43	48	63	79	74	115	128	163	182
Power supply 220 V / 1 Ph / 50 Hz + T													

1) Considering 16 °C of difference between inlet coil air temperature and condensing temperature
 2) Measured at 10 m in open field (ISO 3746)

ULTRASILENCED VERSION

MODEL	CRU...	18	20	23	28	32	43	51	68	74	87	98
Capacity with R22 1)	kW	16,3	18,7	21,8	24,6	32,6	43,6	49,2	65,3	73,9	87,1	98,5
Capacity with R407C 1)	kW	13,9	16	18,6	21,2	27,9	37,5	42,3	56,3	63,7	75	85
Axial fans												
Quantity	n	1	1	1	1	2	2	2	3	3	4	4
Total air flow	l/s	1111	1444	1319	1222	2222	2639	2445	3958	3667	5278	4889
Total air flow	m³/h	4000	5200	4750	4400	8000	9500	8800	14250	13200	19000	17600
Diameter	mm	500	500	600	600	500	600	600	600	600	600	600
Rotation speed	rpm	650	890	430	430	650	430	430	430	430	430	430
Motors power	kW	0,1	0,3	0,1	0,1	0,3	0,3	0,3	0,4	0,4	0,5	0,5
Nominal absorbed current	A	0,7	1,3	0,36	0,36	1,4	0,72	0,72	1,08	1,08	1,44	1,44
Sound pressure level 2)	dB(A)	25	25	29	29	28	32	32	34	34	35	35
Dimensions												
A	mm	1085	1085	1215	1215	1965	2215	2215	3215	3215	3215	4215
B	mm	810	810	1110	1110	810	1110	1110	1110	1110	1110	1110
C	mm	506	506	606	606	506	606	606	606	606	606	606
D	mm	860	860	960	960	860	960	960	960	960	960	960
∅ In / ∅ Out	mm / mm	22/16	28/22	28/22	28/22	35/28	35/28	42/28	42/28	54/35	54/35	54/35
Weight	kg	43	48	63	69	74	115	128	163	182	217	243
Power supply 220 V / 1 Ph / 50 Hz + T 400 V / 31 Ph / 50 220 V / 1 400 V / 31 Ph / 50 Hz + T												

1) Considering 16 °C of difference between inlet coil air temperature and condensing temperature
 2) Measured at 10 m in open field (ISO 3746)