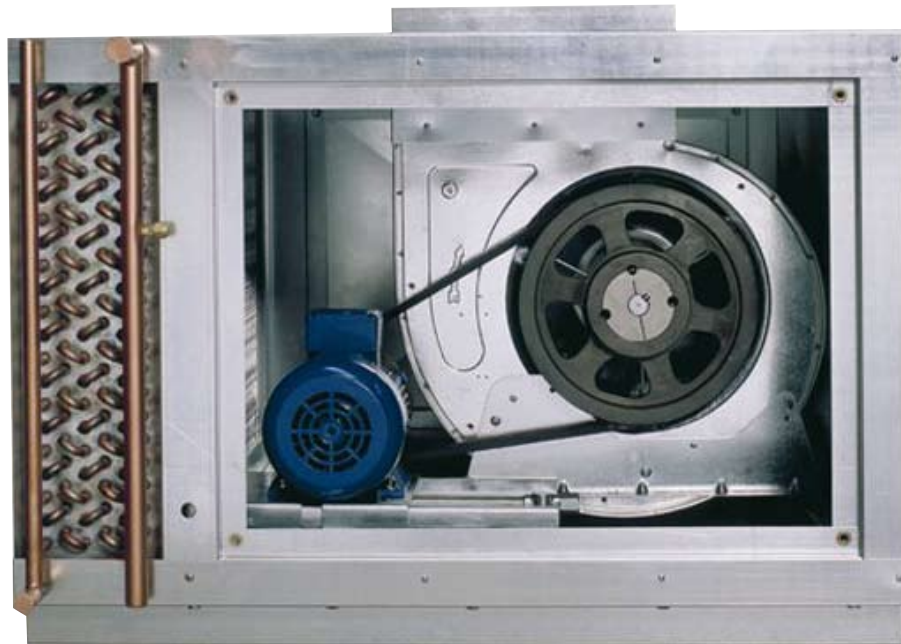


AIR CONDENSERS

VERSION WITH CENTRIFUGAL FANS



CRC 58

CRC... Series

1 refrigerant circuit - capacities from 15 to 285 kW

Packaged air condensers with centrifugal fans for internal installation, especially designed for reducing the noise level in the environment

Equipped with centrifugal fans with vertical air flow

The following versions are available:

CRC... standard version

CRC...K standard suitable for R407C ecological gas

Made up of:

Housing completely realized with galvanized steel plates to allow maximum resistance to corrosion. They are supplied with bearing supports and relevant connection for eventual pressostatic kit.

Centrifugal fans dragged by electrical motors pulleys/belts system coupled, provided with thermal protection (short circuit and overload) and external safety protection grid.

Standard available pressure 50 Pa.

Optionals available pressure 100 and 150 Pa (1M and 2M).

Heat exchange coil manufactured with copper pipes and aluminium fins with possibility of special anti corrosive treatments (to be required when ordering).

for eventual connection to the pressostatic kit.

Power supply 400V/ 3Ph/ 50Hz.

Accessories

1M	Higher available pressure
2M	Higher available pressure
BW	Low temperature operation down to -40 °C
C2	2 circuits coil
FO	Horizontal air flow version
PK	On/off pressostatic control kit
RM	Epoxy coating of condensing coil for sea environments
RR	Condensing coil with copper/copper fins
SN	Wired main switch

STANDARD VERSION - AVAILABLE PRESSURE 50 Pa

MODEL	CRC...	17	23	31	41	58	73	92	116	130	143	175	196	212	235	263	284	
Capacity with R22 1)	kW	17,3	23,4	30,8	40,7	57,4	72,4	91,4	115,3	129,2	142,0	173,9	194,7	210,5	233,5	261,2	282,0	
Capacity with R407C 1)	kW	14,8	20,1	26,4	35	49,2	62,1	78,4	98,7	110,7	121,8	149,8	167,7	181,4	201,1	225	243	
Centrifugal fans																		
Quantity	n	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	
Total air flow	l/s	1.390	1.560	2.360	2.560	4.310	4.580	5.830	9.330	8.890	8.610	14.000	13.330	12.640	18.670	17.780	17.220	
Total air flow	m³/h	5.000	5.600	8.500	9.200	15.500	16.500	21.000	33.600	32.000	31.000	50.400	48.000	45.500	67.200	64.000	62.000	
Rotation speed	rpm	630	705	535	575	520	630	560	560	560	560	560	560	560	560	560	560	
Motors power	kW	0,6	0,8	1,1	1,5	2,2	3	4	6	6	6	9	9	9	12	12	12	
Nominal absorbed current	A	1,7	2,1	2,9	3,7	5,3	7	9,6	14	14	14	21	21	21	28	28	28	
Sound pressure level 2)	dB(A)	45	48	47	49	53	55	53	57	57	56	59	59	58	60	60	59	
Dimensions																		
Width	mm	950	950	1.050	1.050	1.180	1.180	1.180	1.380	1.380	1.380	1.380	1.380	1.380	1.380	1.380	1.380	
Length	mm	1.100	1.100	1.500	1.500	1.920	1.920	1.920	2.300	2.300	2.300	3.300	3.300	3.300	4.340	4.340	4.340	
Height	mm	655	655	855	855	1.055	1.055	1.355	1.640	1.640	1.640	1.640	1.640	1.640	1.640	1.640	1.640	
Ø In / Ø Out	mm / mm	22/16	22/16	28/22	28/22	35/28	35/28	42/28	42/35	42/35	48/35	48/42	48/42	54/42	54/42	60/48	60/48	
Weight	kg	152	178	208	227	274	303	365	472	502	534	708	754	795	946	1011	1057	
Power supply		400 / 3 / 50 + 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) with air suction and air discharge in ducts

1M VERSION - AVAILABLE PRESSURE 100 Pa

MODEL	CRC...	17	23	31	41	58	73	92	116	130	143	175	196	212	235	263	284	
Capacity with R22 1)	kW	16,8	21,9	29,6	36,3	54,5	70,5	87,0	112,4	125,9	138,1	169,0	189,7	205,0	227,6	254,8	275,0	
Capacity with R407C 1)	kW	14,4	18,7	25,4	31,2	46,8	60,5	74,7	96,1	107,9	118,4	145,5	163,4	176,7	195,9	219,4	236,9	
Centrifugal fans																		
Quantity	n	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	
Total air flow	l/s	1.330	1.440	2.220	2.440	4.030	4.440	5.470	8.890	8.670	8.330	13.330	13.000	12.500	17.780	17.330	16.670	
Total air flow	m³/h	4.800	5.200	8.000	8.800	14.500	16.000	19.700	32.000	31.200	30.000	48.000	46.800	45.000	64.000	62.400	60.000	
Rotation speed	rpm	670	750	555	630	560	600	675	605	605	605	605	605	605	605	605	605	
Motors power	kW	0,6	0,8	1,1	1,5	2,2	3	4	6	6	6	9	9	9	12	12	12	
Nominal absorbed current	A	1,7	2,1	2,9	3,7	5,3	7	9,6	14	14	14	21	21	21	28	28	28	
Sound pressure level 2)	dB(A)	45	48	47	49	53	55	53	57	57	56	59	59	58	60	60	59	
Dimensions																		
Width	mm	950	950	1.050	1.050	1.180	1.180	1.180	1.380	1.380	1.380	1.380	1.380	1.380	1.380	1.380	1.380	
Length	mm	1.100	1.100	1.500	1.500	1.920	1.920	1.920	2.300	2.300	2.300	3.300	3.300	3.300	4.340	4.340	4.340	
Height	mm	655	655	855	855	1.055	1.055	1.355	1.640	1.640	1.640	1.640	1.640	1.640	1.640	1.640	1.640	
Ø In / Ø Out	mm / mm	22/16	22/16	28/22	28/22	35/28	35/28	42/28	42/35	42/35	48/35	48/42	48/42	54/42	54/42	60/48	60/48	
Weight	kg	152	178	208	227	274	303	365	472	502	534	708	754	795	946	1011	1057	
Power supply		400 / 3 / 50 + 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) with air suction and air discharge in ducts

2M VERSION - AVAILABLE PRESSURE 150 Pa

MODEL	CRC...	17	23	31	41	58	73	92	116	130	143	175	196	212	235	263	284	
Capacity with R22 1)	kW	15,2	20,5	27,8	37,4	51,0	67,5	84,4	99,4	121,2	132,9	162,6	182,6	197,4	219,0	245,3	264,7	
Capacity with R407C 1)	kW	13	17,5	24,5	32,2	43,7	58	72,6	85,1	103,9	114,1	140	157,3	170,1	188,6	211,3	228,1	
Centrifugal fans																		
Quantity	n	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	
Total air flow	l/s	1.170	1.330	2.050	2.310	3.690	4.220	5.280	8.330	8.110	7.940	12.500	12.170	11.920	16.670	16.220	15.890	
Total air flow	m³/h	4.200	4.800	7.400	8.300	13.300	15.200	19.000	30.000	29.200	28.600	45.000	43.800	42.900	60.000	58.400	57.200	
Rotation speed	rpm	755	840	600	675	590	635	635	635	635	635	635	635	635	635	635	635	
Motors power	kW	0,6	0,8	1,1	1,5	2,2	3	4	6	6	6	9	9	9	12	12	12	
Nominal absorbed current	A	1,7	2,1	2,9	3,7	5,3	7	9,6	14	14	14	21	21	21	28	28	28	
Sound pressure level 2)	dB(A)	45	48	47	49	53	55	53	57	57	56	59	59	58	60	60	59	
Dimensions																		
Width	mm	950	950	1.050	1.050	1.180	1.180	1.180	1.380	1.380	1.380	1.380	1.380	1.380	1.380	1.380	1.380	
Length	mm	1.100	1.100	1.500	1.500	1.920	1.920	1.920	2.300	2.300	2.300	3.300	3.300	3.300	4.340	4.340	4.340	
Height	mm	655	655	855	855	1.055	1.055	1.355	1.640	1.640	1.640	1.640	1.640	1.640	1.640	1.640	1.640	
Ø In / Ø Out	mm / mm	22/16	22/16	28/22	28/22	35/28	35/28	42/28	42/35	42/35	48/35	48/42	48/42	54/42	54/42	60/48	60/48	
Weight	kg	152	178	208	227	274	303	365	472	502	534	708	754	795	946	1011	1057	
Power supply		400 / 3 / 50 + 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) with air suction and air discharge in ducts