

# easy/r

AIR COOLED LIQUID CHILLERS / HEAT PUMPS





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## GENERAL FEATURES

The **EASY.R** liquid chillers offer a simple and cheap solution for domestic and small offices application.

Criticality of these smaller systems is the same as the larger installations, differing only in size. Comfort requirements for a small 40m<sup>2</sup> 2/4 persons advertising office are just the same but smaller, than for an equivalent 1000m<sup>2</sup> / 100 persons location.

### Designed for comfort applications

These liquid chillers grant the same reliability of the other RC Group products, being designed and manufactured with same philosophy as all RC Group products during more than 40 years activity.

Thanks to this long experience, the main repetitive fault rates and relative causes have been eliminated through the use of well tested and top quality components. Furthermore, all maintenance operations have been reduced at the minimum, since this type of chillers is now to be considered as a common home appliance, that does not require any frequent and complicated operations.

## VERSIONS:

### **EASY /R** (R407C)

*Cooling capacity 5,2 ÷ 41,5 kW*

Air cooled liquid chiller equipped with scroll compressor and axial fan.

### **EASY.P /R** (R407C)

*Cooling capacity 5,2 ÷ 41,1 kW*

*Heating capacity 6,2 ÷ 49,5 kW*

Air cooled heat pump liquid chiller equipped with scroll compressor and axial fan.



*Hydronic group*

**Easy and quick installation**, since the units are completely factory assembled, wired and filled with refrigerant and oil and complete with all control and protection devices. They simply need electrical and hydraulic connections.

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## MAIN COMPONENTS

- Housing in epoxy painted galvanized steel sheet
- Axial fans
- Scroll compressors
- Welded plate evaporator
- Technical compartment separated from the air flow
- Modulating condensing control
- Antifreeze system
- Water flow control by differential pressure switch
- Cycle reversing valve (EASY.P)
- Defrosting system (EASY.P)
- Rubber holders
- MICROCHILLER microprocessor control
- Electrical box in separate compartment
- Main switch



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## MAIN OPTIONAL ACCESSORIES

- Hydronic group
- Pumping group
- Remote control panel
- Serial port



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## TECHNICAL DATA AND NOMINAL PERFORMANCES

### EASY /R

MODEL		M.5	M.6	M.8	M.9	T.8	T.9	T.11	T.14	T.16	T.18	T.20	T.24	T.28	T.35	T.43
		Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1
Size		R1	R1	R1	R1	R1	R1	R2	R2	R2	R2	R3	R3	R3	R4	R4
Cooling capacity (1)	kW	5,2	6,4	7,5	7,5	8,8	8,7	10,9	12,9	15,6	17,4	20,7	24,5	27,8	34,1	41,5
Compressors	n.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Power input	kW	1,5	2,0	2,6	2,5	3,0	2,9	3,5	4,5	5,1	6,0	5,9	7,6	9,1	11,3	13,6
Gas circuits	n.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Weight	kg	80	80	82	82	83	83	105	108	115	120	170	185	205	280	295
Sound pressure (3)	dB(A)	54,5	54,5	55,0	55,0	55,0	55,0	55,0	60,2	62,4	62,4	62,4	62,6	64,5	62,2	65,1

### EASY.P /R heat pump

MODEL		M.5	M.6	M.8	M.9	T.8	T.9	T.11	T.14	T.16	T.18	T.20	T.24	T.28	T.35	T.43
		Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1	Z1
Size		R1	R1	R1	R1	R1	R1	R2	R2	R2	R2	R3	R3	R3	R4	R4
Cooling capacity (1)	kW	5,2	6,3	7,4	7,4	8,6	8,6	10,8	12,8	15,3	17,2	20,5	24,1	27,2	33,0	41,1
Heating capacity (2)	kW	6,2	7,7	8,9	8,7	10,6	10,5	13,4	15,8	18,6	21,4	24,9	29,2	32,9	40,7	49,5
Compressors	n.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Power input (1)	kW	1,5	2,0	2,6	2,5	3,0	2,9	3,4	4,5	5,1	6,0	5,9	7,6	9,1	11,3	13,6
Power input (2)	kW	1,7	2,5	2,7	2,7	3,3	3,2	3,8	4,5	5,2	6,0	6,9	8,2	8,9	11,5	13,7
Gas circuits	n.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Weight	kg	80	80	82	82	83	83	105	108	115	120	179	194	214	294	309
Sound pressure (3)	dB(A)	54,5	54,5	55,0	55,0	55,0	55,0	55,0	60,2	62,4	62,4	62,4	62,6	64,5	62,2	65,1

(1) Referred to chilled water temperature 12/7°C and condenser water inlet temperature 30°C

(2) Referred to hot water outlet temperature 45°C and outdoor temperature at 7°C

(3) Sound pressure 1m far in free field conditions according to ISO3744 norms

POWER SUPPLY: M = 230.1.50 / T = 400.3.50+N

## DIMENSIONS (mm)

### EASY /R

Size	a	b	c
R1	1.048	460	836
R2	1.305	580	900
R3	1.305	580	1.285
R4	1.805	580	1.285

