



MR

MR /FC

Air-cooled modular industrial chillers, with a cooling capacity from **11 to 56 kW**, suitable for outdoor installation; complete with water circulation pump in stainless steel, pressurized water storage tank, steel plate evaporator, axial fans. Characterized by a very small footprint, particularly suitable for installation close to the machine.

Versions

- **MR:** water chiller for temperatures from -5°C to $+ 25^{\circ}\text{C}$
- **MR-FC:** chiller with integrated free cooler
- **MR-BIO:** suitable for outlet water temperature at 0°C for biogas applications
- **MR-EX:** suitable for extrusion lines

Advantages

- Reduced footprint
- FC version with integrated Free Cooler even on little power (saving more than 60% of energy)
- Condenser and free cooler with reduced load micro-channels and washable with pressure washer



Main features

- Refrigerant gas R410A
- Hermetic Scroll compressor
- Evaporator with brazed stainless steel plates
- Aluminium micro-channel finned condensation coil
- Axial fans
- Each cooling circuit is equipped with pressure gauges and high and low pressure switches
- Stainless steel pump
- Automatic by-pass
- Automatic water filling
- Insulated and pressurised water tank
- Microprocessor for temperature control
- Frame and panelling in galvanised steel, hot coated with polyester powders

Technical specifications MR

Model	U.m.	MR 0210	MR 0310	MR 0510	MR 0710	MR 0910	MR 1210	MR 1610	MR 1910
Cooling capacity*	kW	11	12,9	17,1	21,6	28,2	37,9	49,0	55,6
	Kcal/h	9.460	11.060	14.670	18.610	24.250	32.580	42.180	47.830
Cooling circuits	n.	1	1	1	1	1	1	1	1
Power absorbed by the compressor	n.	1	1	1	1	1	1	1	1
	kW	2,5	2,6	3,3	4,1	5,4	7,1	9,1	10,1
Axial fans	n.	1	1	2	2	2	2	2	2
	kW	0,49	0,49	0,49	0,49	0,49	0,62	0,62	0,62
	m ³ /h	4.400	4.400	8.800	8.800	8.800	18.300	18.300	18.300
Pumps	kW	0,75	0,75	0,75	0,9	0,9	1,8	1,8	1,8
	l/min	20÷110	20÷110	20÷110	50÷160	50÷160	80÷250	80÷250	80÷250
	bar	3,0÷1,95	3,0÷1,95	3,0÷1,95	3,0÷2,0	3,0÷2,0	3,8÷2,8	3,8÷2,8	3,8÷2,8
Tank	l	55	55	80	80	80	130	130	130
Connections	BSP	1"	1"	1" 1/4	1" 1/4	1" 1/4	1" 1/4	1" 1/4	1" 1/4
Dimensions Width	mm	830	830	1.365	1.365	1.365	1.815	1.815	1.815
Dimensions Depth	mm	695	695	695	695	695	895	895	895
Dimensions Height	mm	1.630	1.630	1.830	1.830	1.830	1.865	1.865	1.865
Net weight	kg	205	215	250	265	275	350	375	405

* The data refers to a water outlet temperature of 15°C and an ambient temperature of 25°C - Power supply 400 V/3 ph./50 Hz - Refrigerant: R410A ecological gas

Optionals

- Electronic thermostatic valve (MR1210÷1910)
- Heat recovery
- Axial fans with continuous speed control
- High pressure pumps
- Stand-by pump (MR1210÷1910)
- Electric panel heating
- Remote control
- Wheels
- Special voltages and frequencies

Green Box Srl

Sede legale e produttiva: Via G. Galilei, 2
35028 Piove di Sacco (PD) - Italy

Tel. +39 049 9703319 - Fax +39 049 9701968
www.greenbox.it - info@greenbox.it

REA nr. 233201
Registro imprese / C.F. / P.IVA: 02481300289

Technical specifications MR/FC

Model	U.m.	MR 0510/FC	MR 0710/FC	MR 0910/FC	MR 1210/FC	MR 1610/FC	MR 1910/FC
Cooling capacity *	kW	17,1	21,6	28,2	37,9	49,0	55,6
	Kcal/h	14.670	18.610	24.250	32.580	42.180	47.830
Cooling capacity	kW	23	23	23	41	41	41
	Kcal/h	19.780	19.780	19.780	35.260	35.260	35.260
Cooling circuits	n.	1	1	1	1	1	1
Power absorbed by the compressor	n.	1	2	2	2	2	2
	kW	3,3	4,1	5,4	7,1	9,1	10,1
Axial fans	n.	2	2	2	2	2	2
	kW	0,49	0,49	0,49	0,62	0,62	0,62
	m ³ /h	8.800	8.800	8.800	18.300	18.300	18.300
Pumps	kW	0,75	0,9	0,9	1,8	1,8	1,8
	l/min	20÷110	50÷160	50÷160	80÷250	80÷250	80÷250
	bar	3,0÷1,95	3,0÷2,0	3,0÷2,0	3,8÷2,8	3,8÷2,8	3,8÷2,8
Tank	l	80	80	80	130	130	130
Connections	BSP	1" 1/4	1" 1/4	1" 1/4	1" 1/4	1" 1/4	1" 1/4
Dimensions Width	mm	1.365	1.365	1.365	1.815	1.815	1.815
Dimensions Depth	mm	695	695	695	895	895	895
Dimensions Height	mm	1.830	1.830	1.830	1.865	1.865	1.865
Net weight	kg	265	280	305	385	400	430

* The data refers to a water outlet temperature of 15°C and an ambient temperature of 25°C - Power supply 400 V/3 ph./50 Hz - Refrigerant: R410A ecological gas

** The data refers to a temperature difference between the water output to the Free-Cooler and the ambient temperature at 10°C

Optionals

- Electronic thermostatic valve (MR1210÷1910)
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