

# MR 50÷80

REMOTE HYDRONIC MODULES.



The Remote Hydronic Modules of the MR 50÷80 series are intended to solve technical problems resulting from thermal inertia in air conditioning systems for both residential and industrial use. Installing a tank for cooled water allows units to reduce the operating cycles of the compressors, thus extending the useful life of the machines. It also results in a greater capacity of the system itself, a remarkable operational saving and a greater flexibility, being able to work with temperatures other than the design temperatures.

## VERSION

**MR 50**

30 l tank

**MR 80**

70 l tank

## FEATURES

- Self-supporting frame in peraluman. Easy to remove front panel allows access to the inside of the unit for maintenance and other necessary operations.
- Water circuit includes: insulated inertial tank, safety valve, automatic air release valves, expansion vessel inserted in the storage tank, gauge, air vent valve, plant charge and water drain.

# MR 50÷80

MODEL			50	80
Water circuit	Tank water volume	l	30	70
	Expansion vessel	l	3	3
	Safety valve	bar	3	3
	Water connections	"G	1"	1"
Weights	Transport weight	Kg	28	36
	Operating weight	Kg	78	116

1  
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DIMENSIONS			50	80
L	STD	mm	240	340
W	STD	mm	320	500
H	STD	mm	1100	1270

## CLEARANCE AREA

MR 50-80

600 | 600 | 600 | 800



Electrical board side

# MR 1500÷2500

REMOTE HYDRONIC MODULES WITH PUMP KIT.



The Remote Hydronic Modules with pump kit of the MR 1500÷2500 series are designed to solve technical problems resulting from thermal inertia in air conditioning systems for both residential and industrial use.

Installing a tank for cooled water allows units to reduce the operating cycles of the compressors, thus extending the useful life of the machines. It also results in a greater capacity of the system itself, a remarkable operational saving and a greater flexibility, being able to work with temperatures other than the design temperatures. The tanks are available with a capacity of 1500 and 2500 litres, with circulating pump or double circulating pump accessory and are complete with all the components necessary for a quick on-site installation.

## VERSION

### MR 1500

With 1500 l tank

### MR 2500

With 2500 l tank

## FEATURES

- Self-supporting galvanized steel frame further protected with polyester powder painting. Easy to remove panels allow access to the inside of the unit for maintenance and other necessary operations.
- Electrical board. Present only with the accessories circulating pump, it includes main switch with door safety interlock; automatic switches for protection of circulating pumps, of secondary circuit and of antifreeze heaters, signalling lamps, interface relay and clamps for external connections.
- Water circuit includes: insulated inertial tank, safety valve, automatic air release valves, expansion vessel, gauge, automatic filling group, plant charge and discharge water shut-off valve.

## ACCESSORIES

### FACTORY FITTED ACCESSORIES

PU1-PU5 Single circulating pump

PD1-PD5 Double circulating pump

FA Antifreeze heater for tank

FUM Antifreeze heater for tank, single pump and pipes

FDM Antifreeze heater for tank, double pump and pipes

## MR 1500÷2500

MODEL			1500	2500
Pump kit	Tank water volume	l	1500	2500
	Expansion vessel	l	2x25	3x25
	Safety valve	bar	3	3
	Water connections	"G	4"	4"
Transport weight	STD version	Kg	470	520
	STD+PU1	Kg	513	565
	STD+PU2	Kg	569	617
	STD+PU3	Kg	569	617
	STD+PU4	Kg	634	686
	STD+PU5	Kg	740	796
	STD+PD1	Kg	586	638
	STD+PD2	Kg	696	740
	STD+PD3	Kg	696	740
	STD+PD4	Kg	826	878
	STD+PD5	Kg	1055	990
Operating weight	STD version	Kg	1970	3020
	STD+PU1	Kg	2014	3066
	STD+PU2	Kg	2070	3118
	STD+PU3	Kg	2070	3118
	STD+PU4	Kg	2135	3187
	STD+PU5	Kg	2241	3297
	STD+PD1	Kg	2088	3140
	STD+PD2	Kg	2198	3242
	STD+PD3	Kg	2198	3242
	STD+PD4	Kg	2328	3380
STD+PD5	Kg	2557	3492	
<b>PUMPS ELECTRICAL CHARACTERISTICS</b>				
Nominal absorbed power	PU1	kW	3	3
	PU2	kW	5.5	5.5
	PU3	kW	7.5	7.5
	PU4	kW	15	15
	PU5	kW	22	22
	PD1	kW	6	6
	PD2	kW	11	11
	PD3	kW	15	15
	PD4	kW	30	30
	PD5	kW	44	44
Max. running current	PU1	A	5.6	5.6
	PU2	A	11	11
	PU3	A	14.6	14.6
	PU4	A	28.6	28.6
	PU5	A	40.3	40.3
	PD1	A	11.2	11.2
	PD2	A	22	22
	PD3	A	29.2	29.2
	PD4	A	57.2	57.2
	PD5	A	80.6	80.6

DIMENSIONS				1500	2500
L	STD	mm		1900	1900
W	STD	mm		2260	2260
H	STD	mm		1780	1780

### CLEARANCE AREA

MR 1500÷2500

800 | 800 | 800 | 800



Electrical board side