

# RS/m

## ENBLOC AIR CONDENSED CHILLERS FOR EXTERNAL INSTALLATION



# RS/m

HFC 407 C  
refrigerante ecologico



### PROFILE

The enbloc RS/m air condensed CHILLERS, have been designed to produce process cooled water for the cooling of industrial plants on closed or open circuit. They are completely independent units consisting of a hydraulic circuit complete with electric pump. The special construction guarantees high efficiency thanks to a very low power consumption even in extreme conditions of use (tropical climates with ambient temperature up to +45°C). In particular the oversizing of the heat exchangers enables the compressor to work under excellent conditions raising the cooling capacity. The chiller is controlled by a NOVA FRIGO micro-processor governing both the evaporating and the condensing pressures and to survey precise measures of the system parameters. It is possible to control the units by a "MULTICHILLER" board which, after checking the thermal load, adjusts the introduction of each compressor. The results are: stability and precision of the process temperature, balanced operation of compressors and, as a consequence, a higher energy saving, thus avoiding useless current startings

### CONTROLLED BY MICROPROCESSOR

The RS/m series units are equipped with an innovative multi-function microprocessor control specially designed by NOVA FRIGO to optimize the systems operation and control for cooling. Each unit or system can be equipped with remote control panel that allows the complete management of unit linked.

### TECHNICAL FEATURES

**Steel main frame** of pre-galvanized, aluminium steel treated and painted with epoxy powder.

**Axial fans** with automatic speed regulation. New European regulations ERP 2015.

**Gas condenser** with an extensive exchange surface, with copper piping and aluminium fins.

**Gas evaporator** it's a plate heat exchanger, with AISI 316 stainless steel, copper braze welded plates. It is placed inside a shell of thermo-insulating material to avoid the condensing and the heat exchange towards outside.



### TOUCH SCREEN

New interface for users with a TOUCH-SCREEN display and the chance to link the chiller to the business LAN net, to distance commands and management on every PC, TABLET and SMARTPHONE.

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### TECHNICAL DATA

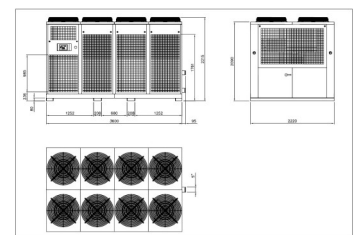
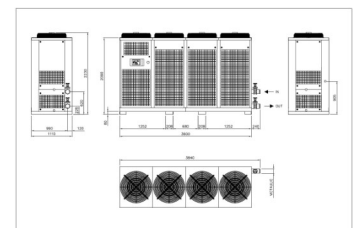
Model (1)	Cooling capacity (2)		Cooling capacity (3)		Compressors		EER	Gas		Pumps			Fans		Tank	Pipe connections	Sound level (4)	Dimensions			Net weight		
	kW	kcal/h	kW	kcal/h	n°	kW (2)		kW/kW (2)	tipo	circuiti	n°	kW	m³/h	bar				n°	kW	m³/h		l	Ø
RS/m 030	27,0	23.220	17,9	15.390	1	4,8	5,6	R407c	1	1	0,75	3,6	2,7	1	0,63	8.000	96	1 1/2"	55	1.090	1.110	2.330	500
RS/m 050	50,2	43.200	33,4	28.730	1	9,1	5,5	R407c	1	1	1,1	7,2	2,7	2	0,88	14.500	140	2"	57	1.990	1.110	2.330	810
RS/m 080	78,0	67.080	51,9	44.640	2	13,8	5,7	R407c	1	1	1,9	10,8	2,7	2	2,2	23.000	140	2"	58	1.990	1.110	2.370	920
RS/m 120	118,6	102.000	78,9	67.860	2	21,6	5,5	R407c	1	1	2,2	16,8	2,7	2	3,9	33.000	140	2"	59	1.990	1.110	2.370	1.010
RS/m 160	151,4	130.200	100,7	86.600	2	27,0	5,6	R407c	2	1	3,0	24,0	2,7	3	5,9	45.000	260	3"	62	2.890	1.110	2.370	1.290
RS/m 200	201,8	173.600	134,2	115.420	2	37,0	5,5	R407c	2	1	4,0	29,4	2,7	4	7,8	60.000	260	3"	63	3.790	1.110	2.370	1.815
RS/m 250	232,3	199.780	154,5	132.870	4	40,9	5,7	R407c	2	1	4,0	33,0	2,7	4	7,8	60.000	260	3"	63	3.790	1.110	2.370	1.915
RS/m 330	339,0	291.600	225,4	193.850	4	59,4	5,7	R407c	2	1	5,5	46,2	2,7	4	11,2	72.000	260	4"	64	3.790	1.110	2.370	2.350
RS/m 400/1	397,0	341.420	264,0	227.040	4	82,4	4,8	R407c	2	1	5,5	55,8	2,7	4	11,2	78.000	260	4"	64	3.790	1.110	2.370	2.450
RS/m 400/2	418,6	360.000	278,4	239.430	4	74,0	5,7	R407c	4	2	8,0	58,8	2,7	8	15,6	120.000	260	4"	63	3.700	2.220	2.370	3.900
RS/m 500	483,2	415.540	321,3	276.320	8	85,8	5,6	R407c	4	2	8,0	66,0	2,7	8	15,6	120.000	260	4"	63	3.700	2.220	2.370	4.100
RS/m 650	643,2	553.100	427,7	367.820	8	113,2	5,7	R407c	4	2	11,0	92,4	2,7	8	22,4	144.000	260	5"	64	3.700	2.220	2.370	4.900
RS/m 800	789,0	678.540	524,7	451.240	8	164,8	4,8	R407c	4	2	11,0	111,6	2,7	8	22,4	156.000	260	5"	65	3.700	2.220	2.370	5.100
RS/m 1000	944,0	811.840	627,8	539.910	8	196,0	4,8	R407c	4	2	15,0	138,0	3,0	10	28,0	205.000	350	6"	68	4.690	2.220	2.370	5.700
RS/m 1200	1.146,0	986.243	756,4	650.920	12	247,2	4,7	R407c	4	2	22,0	172	3,0	12	33,6	223.200	460	6"	72	5.400	2.200	2.170	6000

(1) - Standard electric alimentation 400V-3Ph-50Hz - Special on request

(2) - Water out temperature 15°C - Ambient temperature 25°C

(3) - Water out temperature 7°C - Ambient temperature 35°C

(4) - Sound pressure level at 10 meters



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