

RS EcoLight

ENBLOC AIR CONDENSED CHILLERS FOR EXTERNAL INSTALLATION



RS EcoLight

HFC 407 C
ecological refrigerant



PROFILE

The enbloc RS/E air condensed CHILLERS, have been designed to produce process cooled water for the cooling of industrial plants on closed or open circuit. 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 over sizing of the heat exchangers enables the compressor to work under excellent conditions raising the cooling capacity. The chiller is controlled by a NOVA FRIGO microprocessor 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 starting.



TECHNICAL FEATURES

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

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

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.

CONTROLLED BY MICROPROCESSOR

Jolly RS/E 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.

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TECHNICAL DATA

Mod. (1)	Cooling Capacity (2)		Compressor		E.E.R.	Gas	Evaporator			Fans		Pipe con- nection	Sound level (3)	
	<i>kW</i>	<i>kcal/h</i>	<i>n°</i>	<i>kW tot.</i>	<i>kW/kW</i>		<i>n°</i>	<i>bar</i>	<i>m³/h</i>	<i>n°</i>	<i>kW tot.</i>	<i>m³/h</i>		Ø
RS/E 050	50,2	43.200	1	9,1	5,52	R407c	1	0,35	8,25	2	1,3	14.500	1"½	57
RS/E 080	78,0	67.080	2	13,8	5,65	R407c	1	0,35	13,4	2	2,3	23.000	2"	58
RS/E 120	118,6	102.000	2	21,6	5,5	R407c	1	0,35	18,9	2	4,2	33.000	2"	59

- (1) - Standard electric alimention 400V-3Ph-50Hz - Special on request
 (2) - Water out temperature 15°C - Ambient temperature 25°C
 (3) - Sound pressure level at 10 metres



Mod. (1)	Dimensions			Net weight kg
	<i>L mm</i>	<i>P mm</i>	<i>H mm</i>	
RS/E 050	1.900	1.110	2.230	690
RS/E 080	1.900	1.110	2.230	740
RS/E 120	1.900	1.110	2.230	800

