

External Water chiller RACA/E Superplus



High efficiency chillers with semi-hermetic screw compressors and refrigerant gas R 134a.

Models from 365 to 900 kW: RACA-E SUPER PLUS offer a wide range of chillers with various options able to satisfy any requirement. They may also be configured with heat recovery (partial or total) and with acoustic control (basic or silenced) making these chillers truly versatile.

The RACA-E SUPER PLUS units are characterized by a competitive initial outlay plus the efficiency that only R-134a can grant. Only by using evolved technical solutions it is possible to couple high performance and low costs.

New generation compressors, embodied into a dedicated design and combined with an enhanced microprocessor controller highlight the efficiency of these units and have enabled us to achieve compact and reliable units at competitive prices.

The **SUPER PLUS chillers employ HFC R-134a**. This refrigerant gas achieves particular advantages from an environmental point of view; it actually does not contain chlorine and features a low GWP value. Furthermore, being a pure substance, this fluid does not involve any issue related to glide.

The **RACA-ESUPERPLUSrange** permits the operation at full cooling capacity up to 46°C outdoor air temperature. Specific regulation algorithms allow the operation without interruptions, by means of the capacity partialization, up to 50-54°C according to the models.

Almost all units can be supplied with total heat recovery, on request. These solutions allow hot water to be delivered to users at high temperatures. In the units fitted with the total recovery feature, the controller keeps the hot water outlet temperature constant without affecting the operation of the unit, with the ability to take advantage of water temperature up to 55°C.

technical details

Modello Type	Potenza di raffreddamento(*) Cooling power		Portata d'acqua all'evaporatore Evaporator water flow	Perdita di carico all'evaporatore Evaporator pressure drop	Ventilatori/ Fans	Portata d'aria Air flow	Potenza assorbita (*) Absorbed power (*)	Dimensioni l x L x H Dimensions W x L x H	Peso /Weight	Desumiscaldatore Desuperheater
	kW	Kcal/H								
RACA/ESUPERPLUS-1942	366	314760	63	48	6	112320	139	4610x2222x2420	3610	Optional
RACA/ESUPERPLUS-1962	398	342280	69	32	6	112320	154	4610x2222x2420	4100	Optional
RACA/ESUPERPLUS-2442	466	400760	80	32	8	155880	179	5610x2222x2430	5140	Optional
RACA/ESUPERPLUS-2642	516	443760	89	43	8	149760	193	5610x2222x2430	5340	Optional
RACA/ESUPERPLUS-2702	598	514280	103	40	10	164620	208	4900x2260x2430	5770	Optional
RACA/ESUPERPLUS-2722	681	585660	117	37	12	205200	222	5800x2260x2430	6270	Optional
RACA/ESUPERPLUS-3152	730	627800	126	43	12	177120	260	5800x2260x2430	7360	Optional
RACA/ESUPERPLUS-3902	831	714660	143	65	14	250200	302	7000x2260x2430	8470	Optional
RACA/ESUPERPLUS-4202	900	774000	155	48	14	235440	321	7000x2260x2430	8610	Optional

(*) Rese stimate con acqua in uscita a 7 °C e temperatura ambiente a 35 °C

(*) Powers are valid at 7 °C water outlet and 35 °C ambient air temperature

Temperatura ambiente massima di funzionamento +46 °C

Maximum ambient air operating temperature +46 °C