

ECOSPAR MODELS

CHILLER WITH SCREW COMPRESSOR AND VARIOUS OPTIONALS.



Modelo Model Modele Modell Modelo	Compressor Compressor Compresseur Kompressor Compressor		Capacidade Frigorífica Cooling Capacity Capacité de Refroidissement Kuehleistung Capacidade Frigorífica				Kw Input Nominal	Motoventiladores Fans Ventilateurs Ventilatoren Motoventiladores	
	Nº	Hp x kW x A. Max	COP	Ton R	kW	Db _a 10M		Total kw input	Nº
ecoSpar									
900	1	40 x 30 x 68	2.93	31	110	69	64	2	2,1 x 1.38 x 630mm x 44.600 x 860
1200	1	50 x 37 x 85	3.12	37	130	69	41.32	6	0,72 x 1.38 x 630mm x 68.000 x 860
1600	1	60 x 45 x 126	3.60	52	160	71	45	6	0,72 x 1.38 x 630mm x 55.600 x 860
1800	2	40 x 30 x 68	3.21	59	207	69	68.4	4	2,1 x 4 x 800mm x 88.000 x 915
2200	2	50 x 37 x 85	3.30	71	250	69	82.4	4	2,1 x 4 x 800mm x 88.000 x 915
2500	2	60 x 44.5 x 108	3.53	77	270	69	101.6	6	2,1 x 4 x 800mm x 135.000 x 915
3000	2	70 x 52 x 126	3.43	103	365	71	120.8	8	2,1 x 4 x 800mm x 176.000 x 915
3500	2	80 x 60 x 148	3.62	110	390	71	134	8	2,1 x 4 x 800mm x 176.000 x 915
4000JH3	2	80 x 60 x 137	3.73	113	400	71	134	8	2,1 x 4 x 800mm x 176.000 x 915
4300B	2	90 x 66.5 x 170	3.73	122	430	71	150	8	2,1 x 4 x 800mm x 176.000 x 915
4500	2	100 x 74 x 185	3.72	148	520	72	169	10	2,1 x 4 x 800mm x 210.000 x 915
4510B	2	110 x 80 x 180	3.77	162	570	72	199	10	2,1 x 4 x 800mm x 210.000 x 915
5000	2	120 x 89 x 216	3.89	182	640	72	199	10	2,1 x 4 x 800mm x 210.000 x 915
6000F	2	140 x 100 x 246	3.91	201	710	71	219	12	2,1 x 4 x 800mm x 247.000 x 915
6000JH3230/F	2	185 x 160 x 253	4.53	218	768	71	320	12	2,1 x 4 x 800mm x 250.000 x 915
7000JH3221/F	2	185 x 185 x 286	4.72	247	872	71	390	12	2,1 x 4 x 800mm x 252.000 x 915
8000F	2	160 x 120 x 280	3.58	219	810	72	264	16	2,1 x 4 x 800mm x 262.000 x 915
9000B	2	180 x 160 x 330	4.12	276	970	71	353	16	2,1 x 4 x 800mm x 288.000 x 915

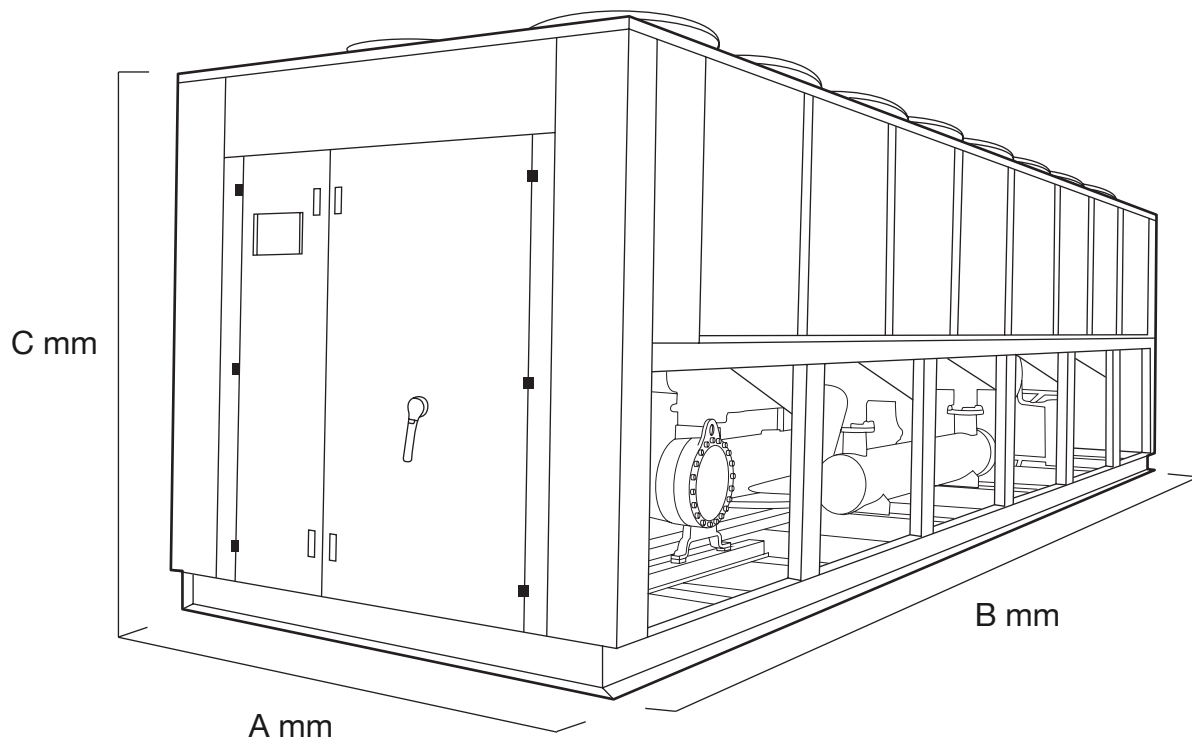
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Technical Data

Chiller ECOSPAR MODELS

Modelo Model Modele Modell Modelo	Evaporador Evaporator Vaporisateur Verdampfer Evaporador		Evap Nº Circuit	Peso Weight Poids Gewicht Peso	Ligações Connections Raccords Anschuesse Conexionnes	Largura Width Largeur Breite Largo	Comprimento Depth Profundeur Tiefe Profundidad	Altura Height Hauteur Hoeh Altura
	Qn m³/h	kPa						
ecoSpar								
900	21.7	23	1	1120	2 - 2	1.400	3.100	1.800 x 120
1200	26.4	39	1	1300	2.1/2 - 2.1/2	1.900	2.700	1.900 x 100
1600	39.5	24	1	1560	3" - 3"	1.900	2.700	1.900 x 100
1800	38.1	35	2	2030	3 - 3	2.170	3.100	1.750 x 120
2200	47.5	30	2	2100	3 - 3	2.170	3.170	1.910 x 120
2500	53.4	39	2	2890	3 - 3	2.300	3.500	1.910 x 120
3000	60.5	39	2	3300	4 - 4	2.300	4.800	1.910 x 120
3500	71.3	72	2	3570	4 - 4	2.300	5.000	1.910 x 120
4000JH3	80.1	51	2	3982	6 - 6	2.300	5.500	1.910 x 120
4300B	80.1	51	2	4050	4 - 4	2.300	5.400	1.910 x 120
4500	90.8	46	2	3980	4 - 4	2.300	5.100	1.910 x 120
4510B	116.4	52	2	4987	6 - 6	2.300	7.700	1.910 x 120
5000	124.6	62	2	5500	6 - 6	2.300	7.700	1.910 x 120
6000F	124.6	62	2	6200	6 - 6	2.300	7.700	1.910 x 120
6000JH3230/F	153.6	68	2	6800	8 - 8	2.300	7.700	1.910 x 120
7000JH3221/F	167.4	91	2	7440	8 - 8	2.300	8.000	1.910 x 120
8000F	139.4	100	2	6890	8 - 8	2.300	10.500	1.910 x 120
9000B	184	35	2	8600	8 - 8	2.300	10.500	1.910 x 120
R407c	Outros Modelos acima destas capacidades sob consulta. Other Models above these capacities under request.							

With best economizer COP - Optional System with Inverter.
 TE + 2C - Water | 7C - Water TC + 50C - Ar | 35C - Air



Technical Details:

- Expanded condensing Batteries. copper / aluminum with acrylic coating.
- Condensing batteries in optional with protective epoxy or copper / copper.
- Anti vibrators in the compressors.
- Condensing batteries arranged in V or W.
- Optional protections for condensers for hail and ice.
- Low temperature condensing batteries system (optional).
- Electrical panel.
- Ventilated electrical panel.
- Transducers control by signal 0-10 V and 4-20 mA.
- Ventilation control, variable with inverter (optional) to reduce consumption.
- Multifunction per phase monitor for each \ compressor.
- Discharge temperature control to the compressor.
- Phases monitor and phase control .
- Condensers (power factor > 0.9) .
- Serial communication to MODBUS supervisor.
- Optional serial to BACnet Supervisor.
- Optional serial to LonWorks supervisor.
- Remote control by microprocessor (optional).
- Master - Slave Operation.
- High and low pressure analog reading.
- LCD display or touch screen.
- Compressor - bolt.
- Multiple starts to compressor control.
- Reading Control of water temperature by input and output.
- Capacity control by steps or modular.
- Pressure Control.
- Control and protection of high discharge temperatures.
- High efficiency shell and tube evaporator with anticorrosive interior gincanas, with Shell construction in steel or stainless steel.
- Electronic or thermostatic expansion.
- SwitchFlow.