



FOCUSED ON APPLICATION HVAC



Unit information	
Chiller Model	CA2-225-4210
Width (mm)	2250
Length (mm)	7180
Height (mm)	2520
Shipping Weight (kg)	8170
Operating Weight (kg)	8280
Capacity Control	Stepless Control
Starting Control	Y-Δ
Operating Range	T1
Refrigerant	R134a

Performance Information(Cooling Condition)		
Cooling Capacity (TR)	225	795 kW
Entering Water Temp (°C)	12	53.60 F°
Leaving Water Temp (°C)	7	44.60 F°
Water Flow (m3/h)	137	
Ambient Temperature (DB) (°C)	35	95.00 F°
Ambient Temperature(WB) (°C)	/	
Input Power (kW)	241.3	
IPLV/NPLV.SI(W/W)	4.74	
COP (W/W)	3.29	

Compressor Information	
Type	Semi-Hermetic Screw
Quantity	2
Capacity Regulating Range	12.5%-100%
Oil Charging Volume(L)	48
Brand	BITZER
Circuit	2
Oil Model	BSE170

Water Side Heat Exchanger Information	
Fluid Type	Fresh Water
Concentration	/
Nozzle Type	Victaulic Couping
Water Volume(L)	157
Heat Exchanger Type	Flooded Shell-and-Tube
Fouling Factor ((m2.K)/kW)	0.0180
Nozzle Size(DN)	150
Water Pressure Drop (kPa)	71

Air Side Heat Exchanger Information	
Type	Fin-Tube
Fan Quantity	12
Air Flow(m3/h)	294000
Fan Power Input(kW)	26.4

Electrical Information	
Power Supply	460V~3N~60Hz
Rating Current (A)	350
Max. Starting Current (A)	582

- *Garantía 2 años en partes y en compresores
- *Resortes anti-vibratorios
- *Refrigerante ecológico



IPLV/NPLV Points													
Load	Cooling capacity	Input Power	Cooling kW/Ton	Cooling COP	Evap. WPD	DBT	DBT	WBT	WBT	EEWT	EEWT	ELWT	ELWT
%	Kw	Kw	KW/TON	W/W	kpA	C°	F°	C°	F°	C°	F°	C°	F°
100	795	241.3	0.96	3.29	71	35.00	95.00	/	/	12.00	53.6	7.00	44.6
75	596	148.6	0.79	4.01	71	27.00	80.6	/	/	10.70	51.26	7.00	44.6
50	398	74.6	0.59	5.34	71	19.00	66.2	/	/	9.50	49.1	7.00	44.6
25	199	37.9	0.60	5.25	71	13.00	55.4	/	/	8.20	46.76	7.00	44.6

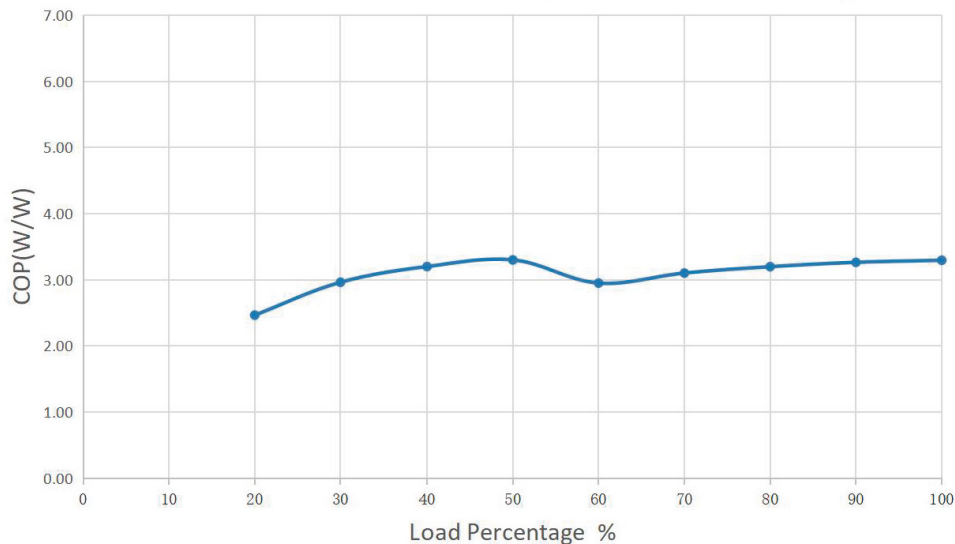
IPLV.SI/NPLV.SI=0.01*A+0.42*B+0.45*C+0.12*D=4.744 w/w
A=EER At 100%; B=EER At 75%; C=EER At 50%; D=EER At 25%;

Soft in accordance with the AHRI Water-Cooled Water-Chilling and Heat Pump Water-Heating Packages Using Vapor Compression Cycle , which is based on AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI).

Ten Points Parameters (Constant Ambient Temp.)													
Load	Cooling capacity	Input Power	Cooling kW/Ton	Cooling COP	Evap. WPD	DBT	DBT	WBT	WBT	EEWT	EEWT	ELWT	ELWT
%	Kw	Kw	KW/TON	W/W	kpA	C°	F°	C°	F°	C°	F°	C°	F°
100	795	241.3	0.96	3.29	71	35.00	95.00	/	/	12.00	53.6	7.00	44.6
90	716	219.4	0.97	3.26	71	35.00	95.00	/	/	11.50	52.7	7.00	44.6
80	636	198.9	0.99	3.20	71	35.00	95.00	/	/	11.00	51.8	7.00	44.6
70	557	179.6	1.02	3.10	71	35.00	95.00	/	/	10.50	50.9	7.00	44.6
60	477	161.5	1.07	2.95	71	35.00	95.00	/	/	10.00	50	7.00	44.6
50	398	120.6	0.96	3.30	71	35.00	95.00	/	/	9.50	49.1	7.00	44.6
40	318	99.4	0.99	3.20	71	35.00	95.00	/	/	9.00	48.2	7.00	44.6
30	239	80.7	1.07	2.96	71	35.00	95.00	/	/	8.50	47.3	7.00	44.6
20	159	64.5	1.28	2.47	71	35.00	95.00	/	/	8.00	46.4	7.00	44.6
10	80	/	/	/	71	35.00	95.00	/	/	7.50	45.5	7.00	44.6

For single COMP chiller, the 10% and 20% load are out of running range, so the data is only for reference;For double COMP chiller, the 10% load are out of running range, so the data is only for reference

Ten Points Parameters(Constant Ambient Temp.)

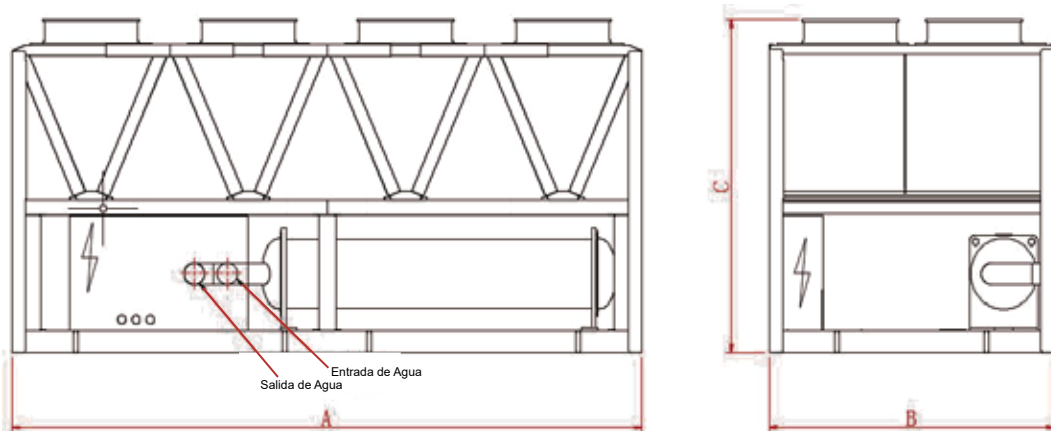
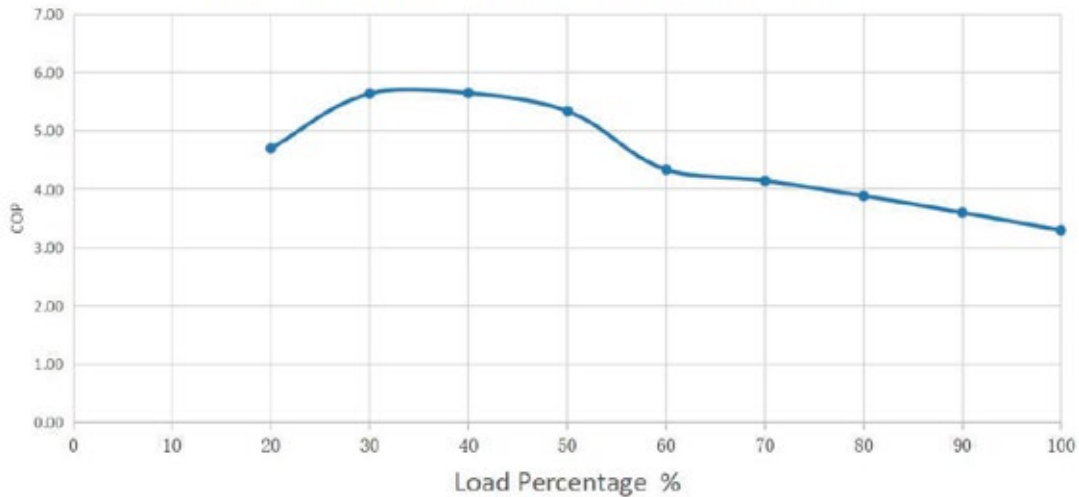


Ten Points Parameters (Variable Ambient Temp)

Load	Cooling capacity	Input Power	Cooling kW/Ton	Cooling COP	Evap. WPD	DBT	DBT	WBT	WBT	EEWT	EEWT	ELWT	ELWT
%	Kw	Kw	KW/TON	W/W	kpA	C°	F°	C°	F°	C°	F°	C°	F°
100	795	241.3	0.96	3.29	71	35.00	95.00	/	/	12.00	53.6	7.00	44.6
90	716	198.9	0.88	3.60	71	31.80	89.24	/	/	11.50	52.7	7.00	44.6
80	636	163.7	0.81	3.89	71	28.60	83.48	/	/	11.00	51.8	7.00	44.6
70	557	134.4	0.76	4.14	71	25.40	77.72	/	/	10.50	50.9	7.00	44.6
60	477	110	0.73	4.34	71	22.20	71.96	/	/	10.00	50	7.00	44.6
50	398	74.6	0.59	5.34	71	19.00	66.20	/	/	9.50	49.1	7.00	44.6
40	318	56.3	0.56	5.64	71	15.80	60.44	/	/	9.00	48.2	7.00	44.6
30	239	42.4	0.56	5.64	71	13.00	55.40	/	/	8.50	47.3	7.00	44.6
20	159	33.8	0.67	4.70	71	13.00	55.40	/	/	8.00	46.4	7.00	44.6
10	80	/	/	/	71	13.00	55.40	/	/	7.50	45.5	7.00	44.6

For single COMP chiller, the 10% and 20% load are out of running range, so the data is only for reference;
 For double COMP chiller, the 10% load are out of running range, so the data is only for reference

Ten Points Parameters (Variable Ambient Temp.)



Dimension(mm)	A	B	C
	7180	2250	2520

NOTE:The outline drawing is only for reference.

