



Climaveneta's range of small to medium sized, cooling only chillers efficiently and easily adapt to a wide range of cooling capacities. The range all contain inverter driven compressors for enhanced efficiency and control.

### Key Features

- Packaged monobloc unit for easy installation
- Full inverter technology with Mitsubishi Electric BLDC compressors
- Extended cooling range, water outlet temperature  $-8 \sim 18^{\circ}\text{C}$ , at ambient range of  $-10 \sim 45^{\circ}\text{C}$
- Dynamic water set point, varies outlet temperature depending on ambient temperature
- EC water pump, relief valve, flow switch, safety valve and expansion vessel
- Night function incorporated to reduce noise levels during the night
- ErP 2021 compliant
- Modbus connectivity option
- Additional accessories available upon request



# Chillers

## Product Information

**i-BX**  
Air Cooled Chiller range  
Three Phase (10.7-35.1kW)

Making a  
World of  
Difference



MODEL		i-BX 010 THAN RV	i-BX 013 THAN RV	i-BX 015 THAN RV	i-BX 020 THAN RV	i-BX 025 THAN RV	i-BX 030 THAN RV	i-BX 035 THAN RV
POWER SUPPLY	V / ph / Hz	415/3/50+N	415/3/50+N	415/3/50+N	415/3/50+N	415/3/50+N	415/3/50+N	415/3/50+N
<b>PERFORMANCE</b>								
COOLING CAPACITY <sup>*1</sup>	kW	10.7	13.3	15.5	20.6	25	29.8	35.1
TOTAL POWER INPUT <sup>*1</sup>	kW	3.64	4.74	5.44	7.2	8.69	10	11.8
EER <sup>*1</sup>		2.94	2.81	2.85	2.86	2.88	2.98	2.97
ESEER <sup>*1</sup>		4.36	4.57	4.14	4.12	4.26	4.15	4.29
<b>COOLING ONLY (EN14511 VALUE)</b>								
COOLING CAPACITY <sup>*1,2</sup>	kW	10.7	13.3	15.5	20.6	25	29.9	35.2
EER <sup>*1,2</sup>		2.96	2.82	2.87	2.88	2.9	3.01	3
ESEER <sup>*1,2</sup>		4.42	4.69	4.2	4.2	4.36	4.27	4.39
COOLING ENERGY CLASS		B	C	C	C	B	B	B
<b>SEASONAL EFFICIENCY IN COOLING (REG.EU 2016/2281) - AVERAGE CLIMATE CONDITIONS</b>								
SEER		4.46	4.8	4.31	4.31	4.52	4.52	4.57
PERFORMANCE (η <sub>s</sub> ) <sup>*3</sup>	%	176	189	169	169	178	178	180
<b>HEAT EXCHANGER (USER SIDE)</b>								
WATER FLOW <sup>*1</sup>	l/s	0.51	0.64	0.74	0.99	1.2	1.43	1.68
MIN. SYSTEM WATER CONTENT <sup>*8</sup>	l	75	93	109	144	175	209	246
INLET / OUTLET CONNECTION SIZE	in	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"
<b>REFRIGERANT CIRCUIT</b>								
COMPRESSORS	N°	1	1	1	1	1	1	1
CIRCUITS	N°	1	1	1	1	1	1	1
REGULATION		STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
MIN. CAPACITY STEP	%	25	25	25	25	25	25	25
REFRIGERANT CHARGE R410A	kg	3.6	3.65	4.7	6.8	7	7.9	8.4
CO <sub>2</sub> EQUIVALENT	t	7.51	7.62	9.81	14.19	14.62	16.49	17.54
OIL CHARGE	kg	0.87	1.4	1.4	1.4	1.4	2.3	2.3
<b>ELECTRICAL</b>								
FULL LOAD POWER (F.L.L.)	kW	4.9	6.5	7.4	9.4	11.3	13.7	16
FULL LOAD CURRENT (F.L.A.)	A	13	17	18	20	29	29	39
INRUSH CURRENT (S.A.)	A	1	1	1	1	1	1	1
<b>FANS</b>								
QUANTITY	N°	2	2	2	1	2	2	2
AIRFLOW	m <sup>3</sup> /s	1.74	1.7	1.64	2.26	3.76	4.2	4.86
FANS POWER INPUT	kW	0.12	0.12	0.12	0.6	0.4	0.55	0.52
<b>NOISE LEVEL</b>								
SOUND PRESSURE <sup>*4</sup>	dB(A)	38	39	43	43	43	44	45
SOUND POWER <sup>*5,6</sup>	dB(A)	69	70	74	74	75	76	77
<b>SIZE AND WEIGHT</b>								
WIDTH <sup>*7</sup>	mm	900	900	900	1450	1450	1450	1700
DEPTH <sup>*7</sup>	mm	420	420	420	550	550	550	650
HEIGHT <sup>*7</sup>	mm	1240	1240	1390	1200	1700	1700	1700
OPERATING WEIGHT <sup>*7</sup>	kg	110	125	135	190	250	270	305

\*1 Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C. \*2 Values in compliance with EN14511-3:2013. \*3 Seasonal energy efficiency of space cooling. \*4 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level. \*5 Sound power on the basis of measurements made in compliance with ISO 9614. \*6 Sound power level in cooling, outdoors. \*7 Unit in standard configuration/execution, without optional accessories. \*8 Calculated with a 7°C flow temperature.

Eurovent Certified Data



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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2068), R32 (GWP:675), R407C (GWP:1774) or R134a (GWP:1430). These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP: 550), R407C (GWP:1650) or R134a (GWP:1300).



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