



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 ~ 18°C, at ambient range of -10 ~ 45°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  
Single Phase (4.3-12.9kW)

Making a  
World of  
Difference



MODEL		i-BX 004 MHAN RV	i-BX 006 MHAN RV	i-BX 008 MHAN RV	i-BX 010 MHAN RV	i-BX 013 MHAN RV
POWER SUPPLY	V / ph / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
<b>PERFORMANCE</b>						
COOLING CAPACITY <sup>*1</sup>	kW	4.3	6.11	8.1	10.6	12.9
TOTAL POWER INPUT <sup>*1</sup>	kW	1.55	2.12	2.82	3.64	4.74
EER <sup>*1</sup>		2.77	2.88	2.87	2.91	2.72
ESEER <sup>*1</sup>		4.2	4.36	4.7	4.29	4.55
<b>COOLING ONLY (EN14511 VALUE)</b>						
COOLING CAPACITY <sup>*1, *2</sup>	kW	4.3	6.11	8.11	10.1	12.9
EER <sup>*1, *2</sup>		2.82	2.92	2.92	2.92	2.74
ESEER <sup>*1, *2</sup>		4.53	4.6	5.08	4.34	4.69
COOLING ENERGY CLASS		C	B	B	B	C
<b>SEASONAL EFFICIENCY IN COOLING (REG.EU 2016/2281) - AVERAGE CLIMATE CONDITIONS</b>						
SEER		4.38	4.43	4.93	4.39	4.78
PERFORMANCE (η <sub>s</sub> ) <sup>*3</sup>	%	172	174	194	172	188
<b>HEAT EXCHANGER (USER SIDE)</b>						
WATER FLOW <sup>*1</sup>	l/s	0.21	0.29	0.39	0.51	0.62
MIN. SYSTEM WATER CONTENT <sup>*8</sup>	l	30	43	57	74	90
INLET / OUTLET CONNECTION SIZE	in	1"	1"	1"	1"	1 1/4"
<b>REFRIGERANT CIRCUIT</b>						
COMPRESSORS	N°	1	1	1	1	1
CIRCUITS	N°	1	1	1	1	1
REGULATION		STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
MIN. CAPACITY STEP	%	25	25	25	25	25
REFRIGERANT CHARGE R410A	kg	1.45	2.1	3.55	3.6	3.65
CO <sub>2</sub> EQUIVALENT	t	3.02	4.38	7.41	7.51	7.62
OIL CHARGE	kg	0.35	0.35	0.4	0.87	1.4
<b>ELECTRICAL</b>						
FULL LOAD POWER (F.L.I.)	kW	1.9	2.7	3.7	4.9	6.5
FULL LOAD CURRENT (F.L.A.)	A	8.7	12.3	16.1	22.6	25.3
INRUSH CURRENT (S.A.)	A	1	1	1	1	1
<b>FANS</b>						
QUANTITY	N°	1	1	1	2	2
AIRFLOW	m <sup>3</sup> /s	1.02	0.98	0.99	1.74	1.58
FANS POWER INPUT	kW	0.12	0.12	0.12	0.12	0.12
<b>NOISE LEVEL</b>						
SOUND PRESSURE <sup>*4</sup>	dB(A)	33	34	35	38	39
SOUND POWER <sup>*5, *6</sup>	dB(A)	64	65	66	69	70
<b>SIZE AND WEIGHT</b>						
WIDTH <sup>*7</sup>	mm	900	900	900	900	900
DEPTH <sup>*7</sup>	mm	370	370	420	420	420
HEIGHT <sup>*7</sup>	mm	940	940	1240	1240	1240
OPERATING WEIGHT <sup>*7</sup>	kg	70	80	95	110	125

<sup>\*1</sup> Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C. <sup>\*2</sup> Values in compliance with EN14511-3:2013. <sup>\*3</sup> Seasonal energy efficiency of space cooling. <sup>\*4</sup> 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. <sup>\*5</sup> Sound power on the basis of measurements made in compliance with ISO 9614. <sup>\*6</sup> Sound power level in cooling, outdoors. <sup>\*7</sup> Unit in standard configuration/execution, without optional accessories. <sup>\*8</sup> Calculated with a 7°C flow temperature.

Eurovent Certified Data



Telephone: 01707 282880  
email: chillers@meuk.mee.com  
web: les.mitsubishielectric.co.uk  
microsite: mechillers.co.uk

UNITED KINGDOM Mitsubishi Electric Europe Living Environment Systems Division  
Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, England General Enquiries Telephone: 01707 282880 Fax: 01707 278881  
IRELAND Mitsubishi Electric Europe Westgate Business Park, Ballymount, Dublin 24, Ireland  
Telephone: Dublin (01) 419 8800 Fax: Dublin (01) 419 8890 International code: (003531)

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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:2088), 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).



[www.greengateway.mitsubishielectric.co.uk](http://www.greengateway.mitsubishielectric.co.uk)

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