

**MITSUBISHI ELECTRIC
HYDRONICS & IT COOLING SYSTEMS S.p.A.**

COMFORT

HYDRONIC TERMINALS

a-CXW

i-CXW

**CASSETTE INDOOR UNIT
FROM 1,9 TO 10,9 kW**



a-CXW

i-CXW

**HIGHLY DEVOTED
TO YOUR COMFORT**



Cassette indoor unit from 1,9 to 10,9 kW.

Today comfort has a new name: a-CXW and i-CXW. The new range of cassette units is developed to provide excellent performance in terms of efficiency, silent operation, and flexibility.

Thanks to the elegant design of the air diffuser and the wide range of controls for single or multiple connections, the a-CXW / i-CXW cassettes are suitable for all kinds of installations.

COMFORT APPLICATIONS

- ✓ Hotels
- ✓ Office buildings
- ✓ Health Facilities
- ✓ Small commercial applications
- ✓ Banks

PERFECT COMFORT

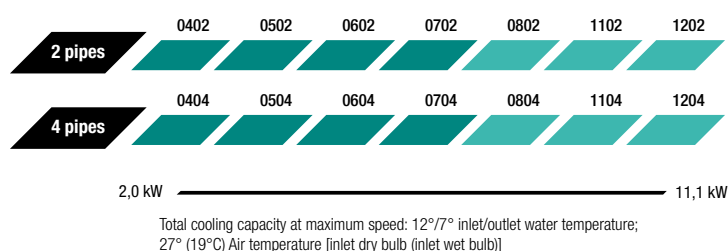
The new a-CXW / i-CXW cassette sets new standards for both indoor comfort and efficiency. The a-CXW range with 3-speed AC fan is available in 7 sizes, providing the best option in terms of price/performance. The i-CXW range with EC fan, available in 5 sizes, ensures the perfect modulation to meet the thermal loads in the environment thus always offering uncompromised energy and acoustic performance.



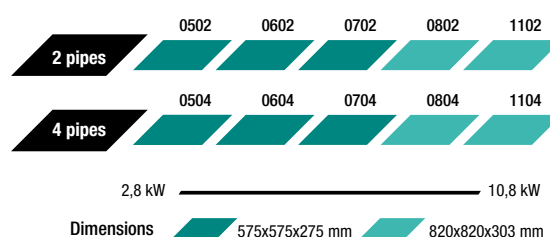
VERSIONS

The units are available for installation in 2 or 4-pipe systems and in two sizes to meet any kind of installation requirement: the smaller one fits perfectly into false ceiling standard modules for easy installation and maintenance.

a-CXW with AC fans



i-CXW with EC fans



The perfect synergy between comfort, design, and reliability.

DESIGN

The 4-way cassette a-CXW/i-CXW offers an elegant and clean design to meet the requirements of modern residential and commercial architecture. The curvy silhouette of the air diffuser perfectly fits in any environment, adding refined aesthetics to any interior.



CONTINUOUS CAPACITY MODULATION

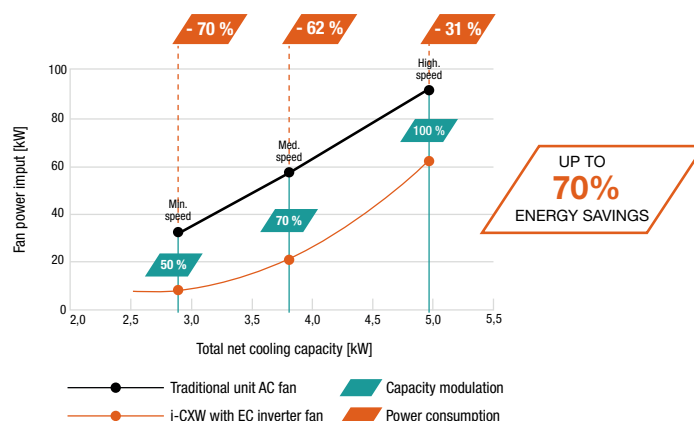


Extreme efficiency

The inverter technology allows continuous, stepless airflow and capacity modulation so that the unit can easily follow any variation in the thermal load. The extreme efficiency offers a reduction in energy use: up to 70% in comparison to a traditional AC fan.

Maximum acoustic comfort

Designed for the maximum acoustic comfort at all fan speeds. The unit operates always at the lowest fan speed to keep the temperature set-point ensuring low noise emissions.



COMPLETELY RELIABLE OPERATION



All components used in the a-CXW and i-CXW range are in line with the high quality standards of Mitsubishi Electric Hydronics and IT Cooling Systems.

QUICK & EASY INSTALLATION



A vast array of already mounted options together with the smart unit design ensures a quick and easy installation as well as easy maintenance operations.

VERSION WITH INTEGRATED ELECTRIC HEATER

The cassette a-CXW and i-CXW, 2-pipe versions, are available with a factory mounted electric heater (option), which is perfectly integrated within the coil pipes.



The electric heater is automatically controlled in place of the hot water valve.

TECHNOLOGICAL CHOICES

AIR FILTER

Synthetic washable filter, easily removable for cleaning and maintenance.

STRUCTURE

Casing made of galvanized steel with internal thermal insulation in polyethylene foam (class M1) and external anti condensate lining.

CONTROL PANEL

External box with the control electronic card with an easily accessible terminal board.

The units can be supplied with integrated HB/i-HB power board.

FAN ASSEMBLY

Thanks to a fan assembly mounted on anti-vibrating supports, the a-CXW and i-CXW cassettes offer efficient and silent operation up to -5 db(A) sound pressure in comparison to a standard cassette.

a-CXW

AC electric motor with 3 fan speeds available.

i-CXW

EC electronic motor controlled by an integrated inverter (on board).

AIR INTAKE AND DISTRIBUTION

4-way grid made of ABS, in elegant white colour. (supplied loose)
Manually adjustable air distribution louvers on each side.

STYLISH GRILLE

Optional metal diffuser, Coanda effect.

Elegant design and RAL 9003 white colour, it perfectly fits into the false ceiling standard modules without overlapping parts.



Climaveneta brand, quality in every detail.
Extreme efficiency and absolute reliability: the secret formula is
cutting-edge technologies and profound know-how.

CONDENSATE COLLECTION TRAY AND PUMP

- ✓ Built-in centrifugal pump with 650 mm of maximum head and float switch, wired to the control panel
- ✓ Condensate collection tray in high density ABS
- ✓ Additional drain pan supplied standard with the units

VALVES (OPTION)

Factory mounted two or three way ON/OFF valves, with thermostatic actuator

COIL

Coil made of copper tubes with bonded aluminum fins for maximum heat transfer efficiency.
 Integrated electric heater available for 2-pipe units (optional).

MANY ACCESORIES TO CUSTOMISE YOUR CASSETTE

a-CXW and i-CXW are available with a great number of accessories in order to perfectly answer all installation requirements.

Factory mounted options

- ✓ Integrated electric heater.
- ✓ Two or three way ON/OFF valves, with thermostatic actuator.
- ✓ HB/ i-HB power board for multiple connection in Master/Slave configurations.
- ✓ Kit RS485 - interface for Building Management System.

Loose options

- ✓ Wall mounted controls
- ✓ Two or three way ON/OFF valves, with thermostatic actuator.
- ✓ Speed selector kit for a-CXW for the connection in parallel of units to a single thermostat (MTW or ATW type) selector.
- ✓ Fresh air renewal connection
- ✓ Duct Connection Flange (Two air supply outlets are provided on the side for additional air distribution in adjacent rooms).

CONTROLLERS

A wide range of wall-mounted controls for managing the fan coil units. Each device can be easily integrated in any home automation system, centralized HVAC plant, or BMS.

COMPATIBILITY	a-CXW	i-CXW
MTW	✓	
ATW	✓	
ATW-EC		✓
EKW	✓ *	✓ *
IKW	✓ *	✓ *
IR REMOTE CONTROL	✓ *	✓ *

* with HB/iHB power board



MTW wall mounted thermostat



ATW wall mounted thermostat



ATW-EC wall mounted thermostat



EKW wall mounted thermostat

(available in coupling with HB or i-HB power board)



IKW wall mounted programmable thermostat

(available in coupling with HB or i-HB power board)



IR REMOTE CONTROL

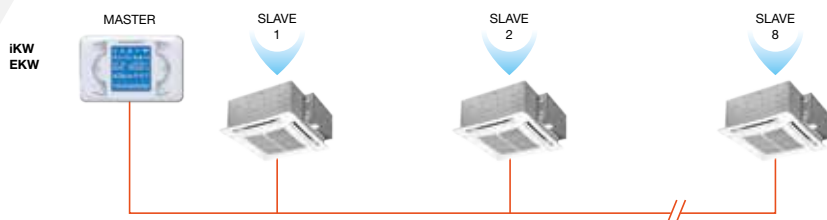
(available in coupling with HB or i-HB power board)

	MTW	ATW	ATW-EC	EKW	IKW	IR
FUNCTIONS						
Fan speed regulation (3 speed)	✓	✓	✓	✓	✓	✓
Led for the ventilation speed	n.a.	✓	✓	✓	✓	✓
Auto fan speed regulation	n.a.	✓	✓	✓	✓	✓
Set-point regulation	n.a.	✓	✓	✓	✓	✓
Operating mode (Cooling/Heating)	✓	✓	✓	✓	✓	✓
Operating mode (Auto)	n.a.	✓	✓	✓	✓	✓
On/Off operation	✓	✓	✓	✓	✓	✓
Led for functions	✓	✓	✓	✓	✓	✓
Hot start function >32°C	✓	✓	✓	✓	✓	✓
Too Cool function < 18°C	n.a.	✓	✓	✓	✓	✓
Periodic ventilation (Air destratification)	✓	✓	✓	✓	✓	✓
BMS connection	n.a.*	✓ *	n.a.	✓ *	✓ *	✓
Connection with My Home BTicino	n.a.	✓ *	n.a.	✓ *	✓ *	✓ *
Digital input	n.a.	✓	✓	✓	✓	✓
Window contact	n.a.	✓	✓	✓	✓	✓
Economy	n.a.	✓	✓	✓	✓	✓
Configuration dip switch	n.a.	✓	✓	✓	✓	✓
On-off valve management	✓	✓	✓	✓	✓	✓
Management of 0-10V modulating valve or 3 points valve	n.a.	n.a.	n.a.	✓ *	✓ *	✓
Integration with Master/Slave configurations LCD screen	n.a.	n.a.	n.a.	n.a.	✓	✓
LCD screen	n.a.	n.a.	n.a.	n.a.	✓	✓
Weekly timer setting	n.a.	n.a.	n.a.	n.a.	✓	n.a.
SLEEP function	n.a.	n.a.	n.a.	n.a.	✓	n.a.
Hourly timer setting	n.a.	n.a.	n.a.	n.a.	✓	✓

* with dedicated accessory

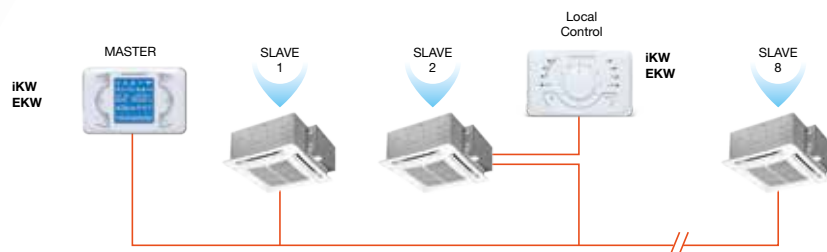
MULTIPLE CONNECTIONS

Integration in a Master / Slave network up to 8 units



All units are equipped with HB or i-HB power board.

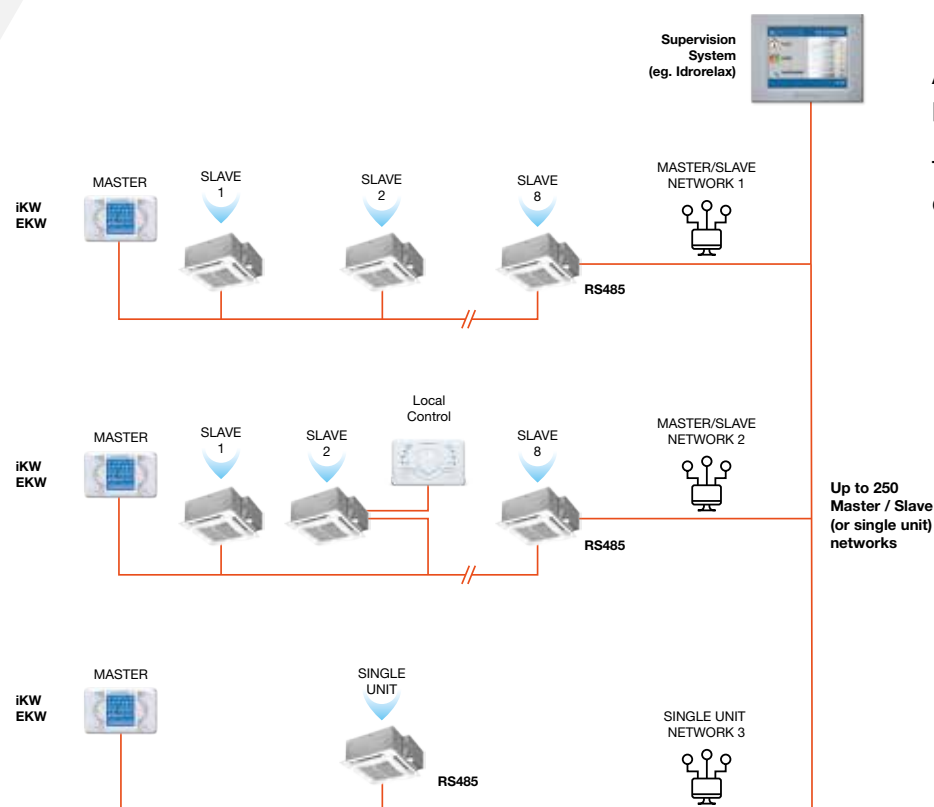
Integration in a Master / Slave network up to 8 units with local control



All units are equipped with HB or i-HB power board.

The local controller manages the connected unit by setting: set-point ($\pm 2^\circ\text{C}$ set-point compared to the master control), local ON/OFF, fan speed.

Integration in a supervision system Modbus RTU



All units are equipped with HB or i-HB power board.

The RS485 board is installed in one unit of the network.

Up to 250
Master / Slave
(or single unit)
networks



a-CXW
4-way Cassette Terminal

a-CXW			0402	0502	0602	0702	0802	1102	1202
ELECTRICAL DATA			V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Power supply									
2 PIPES SYSTEM CONFIGURATION									
ENERGY EFFICIENCY									
COOLING (EN14511 VALUE)									
FCEER	(1)(6)		48	72	81	77	113	113	101
FCEER Class			E	D	C	D	C	C	C
HEATING ONLY (EN14511 VALUE)									
FCCOP	(2)(6)	kW/kW	54	74	79	78	117	108	102
FCCOP Class			E	D	D	D	C	C	C
PERFORMANCE									
MIN SPEED									
Fan Power Input	(1)	W	25,0	25,0	25,0	32,0	33,0	42,0	42,0
Air flow rate	(1)	m³/h	310	310	320	430	630	710	710
Total capacity in cooling mode	(1)	kW	1,27	1,84	2,25	2,94	4,21	5,31	5,31
Total Net Cooling Capacity	(1)(6)(7)	kW	1,25	1,82	2,23	2,91	4,18	5,27	5,27
Sensible capacity in cooling mode	(1)	kW	1,01	1,35	1,58	2,08	3,03	3,46	3,71
Net sensible cooling capacity	(1)(6)(7)	kW	0,99	1,33	1,56	2,05	3,00	3,42	3,67
Net latent power in cooling	(1)(6)(7)	kW	0,26	0,49	0,67	0,86	1,18	1,86	1,60
Max water flow	(1)	l/s	0,06	0,09	0,11	0,14	0,20	0,25	0,25
Pressure Drop in cooling mode	(1)	kPa	4,3	4,8	4,5	7,3	10,5	9,1	11,1
Total capacity (heating mode)	(2)	kW	1,35	1,82	2,10	2,82	4,24	4,88	5,08
Total Net Heating Capacity	(2)(6)	kW	1,37	1,85	2,12	2,85	4,27	4,92	5,12
Water flow in heating mode	(2)	l/s	0,07	0,09	0,10	0,14	0,20	0,24	0,25
Pressure drop in heating mode	(2)	kPa	4,9	4,2	3,6	6,1	9,7	7,1	7,6
Sound Pressure	(3)	dB(A)	24	24	24	32	24	25	25
Sound Power	(4)(7)	dB(A)	33	33	33	41	33	34	34
MED SPEED									
Fan Power Input	(1)	W	32,0	32,0	44,0	57,0	48,0	63,0	95,0
Air flow rate	(1)	m³/h	420	420	500	610	820	970	1280
Total capacity in cooling mode	(1)	kW	1,63	2,34	3,34	3,87	4,91	6,78	8,45
Total Net Cooling Capacity	(1)(6)(7)	kW	1,60	2,31	3,30	3,82	4,87	6,72	8,36
Sensible capacity in cooling mode	(1)	kW	1,32	1,75	2,39	2,81	3,58	4,48	6,10
Net sensible cooling capacity	(1)(6)(7)	kW	1,29	1,72	2,35	2,75	3,53	4,41	6,01
Net latent power in cooling	(1)(6)(7)	kW	0,31	0,59	0,95	1,06	1,33	2,31	2,35
Max water flow	(1)	l/s	0,08	0,11	0,16	0,19	0,23	0,32	0,40
Pressure Drop in cooling mode	(1)	kPa	6,9	7,4	9,3	12,1	14,0	14,2	25,7
Total capacity (heating mode)	(2)	kW	1,77	2,39	3,24	3,79	4,98	6,34	8,45
Total Net Heating Capacity	(2)(6)	kW	1,80	2,42	3,28	3,85	5,03	6,41	8,55
Water flow in heating mode	(2)	l/s	0,09	0,12	0,16	0,18	0,24	0,31	0,41
Pressure drop in heating mode	(2)	kPa	8,1	6,8	7,8	10,3	12,8	11,2	19,3
Sound Pressure	(3)	dB(A)	31	31	36	40	31	31	39
Sound Power	(4)(7)	dB(A)	40	40	45	49	40	40	48
MAX SPEED									
Fan Power Input	(1)	W	57,0	44,0	68,0	90,0	77,0	120	170
Air flow rate	(1)	m³/h	610	520	710	880	1140	1500	1820
Total capacity in cooling mode	(1)	kW	1,98	2,68	4,33	5,02	6,15	9,50	11,1
Total Net Cooling Capacity	(1)(6)(7)	kW	1,92	2,64	4,27	4,93	6,08	9,39	10,9
Sensible capacity in cooling mode	(1)	kW	1,64	2,04	3,18	3,74	4,59	6,47	8,25
Net sensible cooling capacity	(1)(6)(7)	kW	1,58	2,00	3,11	3,65	4,52	6,35	8,08
Net latent power in cooling	(1)(6)(7)	kW	0,34	0,64	1,15	1,28	1,56	3,03	2,83
Max water flow	(1)	l/s	0,09	0,13	0,21	0,24	0,29	0,45	0,53
Pressure Drop in cooling mode	(1)	kPa	9,8	9,5	14,9	19,4	21,0	26,2	41,9
Total capacity (heating mode)	(2)	kW	2,18	2,76	4,30	5,06	6,42	9,12	11,5
Total Net Heating Capacity	(2)(6)	kW	2,24	2,80	4,37	5,15	6,50	9,24	11,7
Water flow in heating mode	(2)	l/s	0,11	0,13	0,21	0,24	0,31	0,44	0,56
Pressure drop in heating mode	(2)	kPa	11,9	8,7	12,7	17,1	19,9	21,3	33,8
Sound Pressure	(3)	dB(A)	40	36	44	50	39	44	49
Sound Power	(4)(7)	dB(A)	49	53	53	59	48	53	58
SIZE AND WEIGHT									
A	(5)	mm	575	575	575	575	820	820	820
B	(5)	mm	575	575	575	575	820	820	820
H	(5)	mm	275	275	275	275	303	303	303
Operating weight	(5)	kg	22	22	24	24	36	39	39

Notes:

- 1 Room temperature 27°C d.b./18,9°C w.b., Chilled water (in/out) 7°C/12°C.
- 2 Room temperature 20°C d.b., hot water (in/out) 45°C/40°C.
- 3 Sound pressure level in free field on a reflective surface, 1 m from fan front and 1 m from the ground. Non -binding value obtained from sound power level.

4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.

5 Unit in standard configuration/execution, without optional accessories.

6 Values in compliance with EN14511

7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT



a-CXW			0404	0504	0604	0704	0804	1104	1204
ELECTRICAL DATA			V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Power supply									
4 PIPES SYSTEM CONFIGURATION									
ENERGY EFFICIENCY									
COOLING (EN14511 VALUE)									
FCEER	(1)(6)		58	72	65	61	113	95	94
FCEER Class			D	D	D	D	C	C	C
HEATING ONLY (EN14511 VALUE)									
FCCOP	(2)(6)	kW/kW	67	74	77	70	145	122	109
FCCOP Class			E	D	D	D	C	C	C
PERFORMANCE									
MIN SPEED									
Fan Power Input	(1)	W	25,0	25,0	25,0	32,0	33,0	42,0	42,0
Air flow rate	(1)	m³/h	310	310	320	430	630	710	710
Total capacity in cooling mode	(1)	kW	1,51	1,85	1,85	2,36	4,14	4,52	4,52
Total Net Cooling Capacity	(1)(6)(7)	kW	1,49	1,83	1,83	2,33	4,11	4,48	4,48
Sensible capacity in cooling mode	(1)	kW	1,16	1,35	1,34	1,75	2,96	3,25	3,25
Net sensible cooling capacity	(1)(6)(7)	kW	1,14	1,33	1,32	1,72	2,93	3,21	3,21
Net latent power in cooling	(1)(6)(7)	kW	0,35	0,50	0,51	0,61	1,18	1,27	1,27
Max water flow	(1)	l/s	0,07	0,09	0,09	0,11	0,20	0,22	0,22
Pressure Drop in cooling mode	(1)	kPa	6,0	4,8	3,2	4,9	10,2	6,8	8,3
Total capacity (heating mode)	(2)	kW	1,69	2,11	2,11	2,58	5,18	5,65	5,65
Total Net Heating Capacity	(2)(6)	kW	1,72	2,13	2,13	2,61	5,21	5,69	5,69
Water flow in heating mode	(2)	l/s	0,04	0,05	0,05	0,06	0,13	0,14	0,14
Pressure drop in heating mode	(2)	kPa	5,2	4,8	4,0	5,7	8,6	7,7	9,7
Sound Pressure	(3)	dB(A)	24	24	24	32	24	25	25
Sound Power	(4)(7)	dB(A)	33	33	33	41	33	34	34
MED SPEED									
Fan Power Input	(1)	W	32,0	32,0	44,0	57,0	48,0	63,0	95,0
Air flow rate	(1)	m³/h	420	420	500	610	820	970	1280
Total capacity in cooling mode	(1)	kW	1,96	2,36	2,65	3,02	5,03	5,66	6,93
Total Net Cooling Capacity	(1)(6)(7)	kW	1,93	2,33	2,61	2,97	4,99	5,60	6,84
Sensible capacity in cooling mode	(1)	kW	1,55	1,71	1,98	2,29	3,65	4,15	5,19
Net sensible cooling capacity	(1)(6)(7)	kW	1,52	1,68	1,94	2,23	3,60	4,09	5,10
Net latent power in cooling	(1)(6)(7)	kW	0,41	0,65	0,67	0,73	1,38	1,51	1,74
Max water flow	(1)	l/s	0,09	0,11	0,13	0,14	0,24	0,27	0,33
Pressure Drop in cooling mode	(1)	kPa	9,6	7,5	6,1	7,7	14,6	10,2	17,9
Total capacity (heating mode)	(2)	kW	2,20	2,63	3,00	3,27	6,28	7,09	8,70
Total Net Heating Capacity	(2)(6)	kW	2,23	2,66	3,04	3,33	6,33	7,15	8,80
Water flow in heating mode	(2)	l/s	0,05	0,06	0,07	0,08	0,15	0,17	0,21
Pressure drop in heating mode	(2)	kPa	8,3	7,1	7,1	8,7	12,0	11,4	20,8
Sound Pressure	(3)	dB(A)	31	31	36	40	31	31	39
Sound Power	(4)(7)	dB(A)	40	40	45	49	40	40	48
MAX SPEED									
Fan Power Input	(1)	W	57,0	44,0	68,0	90,0	77,0	120	170
Air flow rate	(1)	m³/h	610	520	710	880	1140	1500	1820
Total capacity in cooling mode	(1)	kW	2,33	2,70	3,34	3,81	6,33	7,71	8,90
Total Net Cooling Capacity	(1)(6)(7)	kW	2,27	2,66	3,28	3,73	6,26	7,60	8,73
Sensible capacity in cooling mode	(1)	kW	1,90	1,98	2,56	2,97	4,69	5,83	6,85
Net sensible cooling capacity	(1)(6)(7)	kW	1,84	1,94	2,49	2,88	4,61	5,71	6,68
Net latent power in cooling	(1)(6)(7)	kW	0,43	0,72	0,78	0,84	1,64	1,88	2,05
Max water flow	(1)	l/s	0,11	0,13	0,16	0,18	0,30	0,37	0,43
Pressure Drop in cooling mode	(1)	kPa	13,2	9,6	9,3	11,7	22,2	17,9	28,2
Total capacity (heating mode)	(2)	kW	2,60	3,00	3,79	4,10	7,94	9,54	10,9
Total Net Heating Capacity	(2)(6)	kW	2,66	3,04	3,85	4,19	8,02	9,66	11,1
Water flow in heating mode	(2)	l/s	0,06	0,07	0,09	0,10	0,19	0,23	0,27
Pressure drop in heating mode	(2)	kPa	11,1	8,9	11,2	12,9	18,0	19,2	31,2
Sound Pressure	(3)	dB(A)	40	36	44	50	39	44	49
Sound Power	(4)(7)	dB(A)	49	45	53	59	48	53	58
SIZE AND WEIGHT									
A	(5)	mm	575	575	575	575	820	820	820
B	(5)	mm	575	575	575	575	820	820	820
H	(5)	mm	275	275	275	275	303	303	303
Operating weight	(5)	kg	22	22	24	24	36	39	39

Notes:

- 1 Room temperature 27°C d.b./18,9°C w.b., Chilled water (in/out) 7°C/12°C.
 2 Room temperature 20°C d.b.; Hot water (in/out) 65°C/55°C;
 3 Sound pressure level in free field on a reflective surface, 1 m from fan front and 1 m from the ground. Non -binding value obtained from sound power level.

4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.

5 Unit in standard configuration/execution, without optional accessories.

6 Values in compliance with EN14511

7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

**i-CXW**

4-way Cassette Terminal with EC fan

i-CXW**0502****0602****0702****0802****1102****ELECTRICAL DATA**

V/ph/Hz

230/1/50

230/1/50

230/1/50

230/1/50

230/1/50

Power supply

2 PIPES SYSTEM CONFIGURATION**ENERGY EFFICIENCY****COOLING (EN14511 VALUE)**

FCEER	(1)(6)		307	319	219	346	292
FCEER Class			A	A	A	A	A

HEATING ONLY (EN14511 VALUE)

FCCOP	(2)(6)	kW/kW	316	314	222	360	284
FCCOP Class			A	A	A	B	A

PERFORMANCE**MIN SPEED**

Fan Power Input	(1)	W	5,37	5,72	6,57	9,96	10,7
Air flow rate	(1)	m³/h	310	310	360	630	710
Total capacity in cooling mode	(1)	kW	1,84	2,24	2,55	4,20	5,28
Total Net Cooling Capacity	(1)(6)(7)	kW	1,84	2,24	2,54	4,19	5,27
Sensible capacity in cooling mode	(1)	kW	1,35	1,57	1,80	3,03	3,69
Net sensible cooling capacity	(1)(6)(7)	kW	1,34	1,56	1,79	3,02	3,68
Net latent power in cooling	(1)(6)(7)	kW	0,49	0,67	0,75	1,17	1,59
Max water flow	(1)	l/s	0,09	0,11	0,12	0,20	0,25
Pressure Drop in cooling mode	(1)	kPa	4,8	4,5	5,7	10,5	9,0
Total capacity (heating mode)	(2)	kW	1,85	2,12	2,46	4,26	4,89
Total Net Heating Capacity	(2)(6)	kW	1,86	2,13	2,47	4,27	4,90
Water flow in heating mode	(2)	l/s	0,09	0,10	0,12	0,21	0,24
Pressure drop in heating mode	(2)	kPa	4,4	3,7	4,8	9,8	7,1
Sound Pressure	(3)	dB(A)	24	24	28	24	25
Sound Power	(4)(7)	dB(A)	33	33	37	33	34

MED SPEED

Fan Power Input	(1)	W	7,54	10,3	21,9	17,2	31,3
Air flow rate	(1)	m³/h	380	445	610	870	1130
Total capacity in cooling mode	(1)	kW	2,16	3,05	3,87	5,14	7,71
Total Net Cooling Capacity	(1)(6)(7)	kW	2,15	3,04	3,85	5,13	7,68
Sensible capacity in cooling mode	(1)	kW	1,61	2,17	2,81	3,76	5,53
Net sensible cooling capacity	(1)(6)(7)	kW	1,60	2,16	2,79	3,74	5,50
Net latent power in cooling	(1)(6)(7)	kW	0,55	0,88	1,06	1,38	2,18
Max water flow	(1)	l/s	0,10	0,15	0,19	0,25	0,37
Pressure Drop in cooling mode	(1)	kPa	6,4	7,9	12,1	15,2	17,9
Total capacity (heating mode)	(2)	kW	2,21	2,97	3,83	5,29	7,31
Total Net Heating Capacity	(2)(6)	kW	2,22	2,98	3,85	5,31	7,34
Water flow in heating mode	(2)	l/s	0,11	0,14	0,18	0,26	0,35
Pressure drop in heating mode	(2)	kPa	5,9	6,7	10,5	14,2	14,4
Sound Pressure	(3)	dB(A)	30	34	41	30	38
Sound Power	(4)(7)	dB(A)	39	43	50	39	47

MAX SPEED

Fan Power Input	(1)	W	16,1	31,1	61,7	33,0	108
Air flow rate	(1)	m³/h	535	710	880	1165	1770
Total capacity in cooling mode	(1)	kW	2,74	4,33	5,02	6,33	10,8
Total Net Cooling Capacity	(1)(6)(7)	kW	2,73	4,30	4,96	6,30	10,7
Sensible capacity in cooling mode	(1)	kW	2,09	3,18	3,74	4,72	7,94
Net sensible cooling capacity	(1)(6)(7)	kW	2,07	3,15	3,68	4,69	7,83
Net latent power in cooling	(1)(6)(7)	kW	0,65	1,15	1,28	1,61	2,87
Max water flow	(1)	l/s	0,13	0,21	0,24	0,30	0,52
Pressure Drop in cooling mode	(1)	kPa	9,9	14,9	19,4	22,2	33,0
Total capacity (heating mode)	(2)	kW	2,85	4,33	5,09	6,67	10,5
Total Net Heating Capacity	(2)(6)	kW	2,87	4,36	5,15	6,70	10,6
Water flow in heating mode	(2)	l/s	0,14	0,21	0,25	0,32	0,51
Pressure drop in heating mode	(2)	kPa	9,2	12,9	17,3	21,3	27,2
Sound Pressure	(3)	dB(A)	38	45	51	39	48
Sound Power	(4)(7)	dB(A)	47	54	60	48	57

SIZE AND WEIGHT

A	(5)	mm	575	575	575	820	820
B	(5)	mm	575	575	575	820	820
H	(5)	mm	275	275	275	303	303
Operating weight	(5)	kg	22	24	24	36	39

Notes:

- 1 Room temperature 27°C d.b./18,9°C w.b., Chilled water (in/out) 7°C/12°C.
- 2 Room temperature 20°C d.b., hot water (in/out) 45°C/40°C.
- 3 Sound pressure level in free field on a reflective surface, 1 m from fan front and 1 m from the ground. Non -binding value obtained from sound power level.

4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.

5 Unit in standard configuration/execution, without optional accessories.

6 Values in compliance with EN14511

7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT

**i-CXW****0504****0604****0704****0804****1104****ELECTRICAL DATA**

V/ph/Hz

230/1/50

230/1/50

230/1/50

230/1/50

230/1/50

Power supply

4 PIPES SYSTEM CONFIGURATION**ENERGY EFFICIENCY****COOLING (EN14511 VALUE)**

FCEER (1)(6) 309 295 202 354 273

FCEER Class A A A A A

HEATING ONLY (EN14511 VALUE)

FCCOP (2)(6) kW/kW 362 244 164 454 254

FCCOP Class A B B A B

PERFORMANCE**MIN SPEED**

Fan Power Input (1) W 5,37 5,72 6,57 9,96 10,7

Air flow rate (1) m³/h 310 310 360 630 710

Total capacity in cooling mode (1) kW 1,85 2,09 2,37 4,29 4,97**Total Net Cooling Capacity** (1)(6)(7) kW 1,85 2,09 2,36 4,28 4,96

Sensible capacity in cooling mode (1) kW 1,34 1,49 1,70 3,08 3,51

Net sensible cooling capacity (1)(6)(7) kW 1,33 1,48 1,69 3,07 3,50

Net latent power in cooling (1)(6)(7) kW 0,51 0,60 0,67 1,21 1,46

Max water flow (1) l/s 0,09 0,10 0,11 0,21 0,24

Pressure Drop in cooling mode (1) kPa 4,8 3,9 5,0 10,9 8,1

Total capacity (heating mode) (2) kW 2,13 1,73 1,92 5,40 4,57**Total Net Heating Capacity** (2)(6) kW 2,14 1,74 1,92 5,41 4,58

Water flow in heating mode (2) l/s 0,05 0,04 0,05 0,13 0,11

Pressure drop in heating mode (2) kPa 4,9 2,8 3,4 9,2 5,3

Sound Pressure (3) dB(A) 24 24 28 24 25

Sound Power (4)(7) dB(A) 33 33 37 33 34

MED SPEED

Fan Power Input (1) W 7,54 10,3 21,9 17,2 31,3

Air flow rate (1) m³/h 380 445 610 870 1130

Total capacity in cooling mode (1) kW 2,17 2,82 3,53 5,27 7,16**Total Net Cooling Capacity** (1)(6)(7) kW 2,16 2,81 3,51 5,26 7,13

Sensible capacity in cooling mode (1) kW 1,60 2,04 2,62 3,83 5,20

Net sensible cooling capacity (1)(6)(7) kW 1,59 2,03 2,60 3,81 5,17

Net latent power in cooling (1)(6)(7) kW 0,57 0,78 0,91 1,44 1,96

Max water flow (1) l/s 0,10 0,13 0,17 0,25 0,34

Pressure Drop in cooling mode (1) kPa 6,4 6,8 10,2 15,9 15,6

Total capacity (heating mode) (2) kW 2,50 2,19 2,64 6,64 6,24**Total Net Heating Capacity** (2)(6) kW 2,51 2,20 2,66 6,66 6,27

Water flow in heating mode (2) l/s 0,06 0,05 0,06 0,16 0,15

Pressure drop in heating mode (2) kPa 6,5 4,3 6,0 13,2 9,1

Sound Pressure (3) dB(A) 30 34 41 30 38

Sound Power (4)(7) dB(A) 39 43 50 39 47

MAX SPEED

Fan Power Input (1) W 16,1 31,1 61,7 33,0 108

Air flow rate (1) m³/h 535 710 880 1770 1770

Total capacity in cooling mode (1) kW 2,76 3,93 4,53 6,51 9,86**Total Net Cooling Capacity** (1)(6)(7) kW 2,75 3,90 4,47 6,48 9,76

Sensible capacity in cooling mode (1) kW 2,08 2,95 3,46 4,83 7,40

Net sensible cooling capacity (1)(6)(7) kW 2,06 2,92 3,40 4,80 7,29

Net latent power in cooling (1)(6)(7) kW 0,68 0,98 1,07 1,68 2,46

Max water flow (1) l/s 0,13 0,19 0,22 0,31 0,47

Pressure Drop in cooling mode (1) kPa 10,0 12,5 16,1 23,3 28,0

Total capacity (heating mode) (2) kW 3,16 2,88 3,23 8,21 8,22**Total Net Heating Capacity** (2)(6) kW 3,18 2,91 3,29 8,24 8,33

Water flow in heating mode (2) l/s 0,08 0,07 0,08 0,20 0,20

Pressure drop in heating mode (2) kPa 9,8 6,9 8,5 19,0 14,8

Sound Pressure (3) dB(A) 38 45 51 39 48

Sound Power (4)(7) dB(A) 47 54 60 48 57

SIZE AND WEIGHT

A (5) mm 575 575 575 820 820

B (5) mm 575 575 575 820 820

H (5) mm 275 275 275 303 303

Operating weight (5) kg 22 24 24 36 39

Notes:

1 Room temperature 27°C d.b./18,9°C w.b., Chilled water (in/out) 7°C/12°C.

2 Room temperature 20°C d.b.; Hot water (in/out) 65°C/55°C;

3 Sound pressure level in free field on a reflective surface, 1 m from fan front and 1 m from the ground. Non-binding value obtained from sound power level.

4 Sound power on the basis of measurements made in compliance with ISO 3741 and Eurovent 8/2.

5 Unit in standard configuration/execution, without optional accessories.

6 Values in compliance with EN14511

7 Values in compliance with [REGULATION (EU) N. 2016/2281]

Certified data in EUROVENT



for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.



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