

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

COMFORT

AIR HANDLING UNITS

MWZ

**COMPACT AIR HANDLING UNIT
1500-9000 m³/h**



MWZ



AIR TREATMENT ENHANCING QUALITY OF LIFE.

Compact air handling unit for indoor and outdoor installation.

MWZ is the new Compact Air Handling Unit for professional and commercial applications by Mitsubishi Electric Hydronic & IT Cooling Systems SPA.

MWZ features high configuration flexibility and a wide range of accessories to offer the perfect solution for any installation requirement.



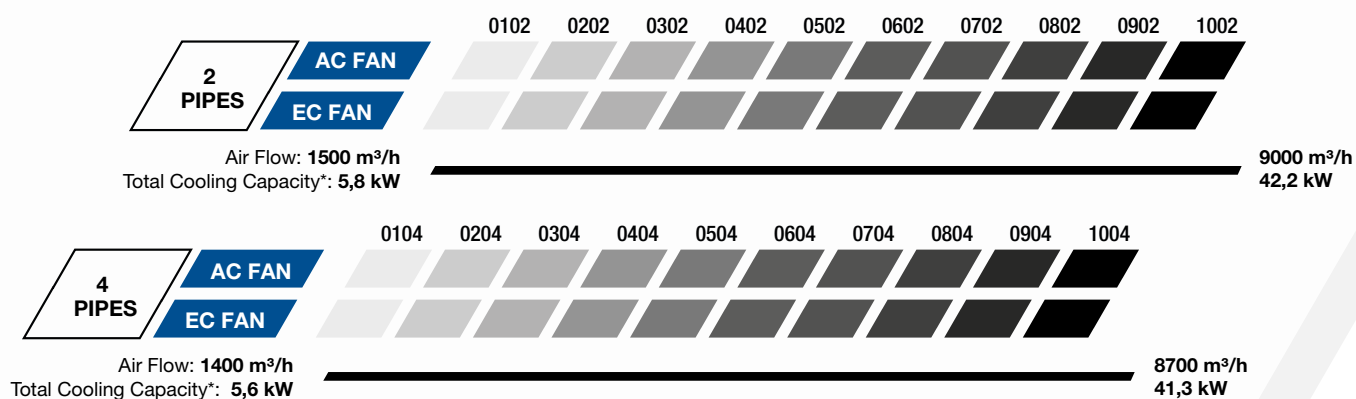
COMFORT APPLICATIONS

- ✓ Hotel
- ✓ Office building
- ✓ Health Facilities
- ✓ Small commercial applications
- ✓ Banks

THE RANGE

The range can be equipped with AC motor or with modulating EC brushless motor and is available in different versions: the perfect solution for any system request.

VERSIONS



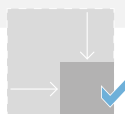
Indoor air temperature 27°C, RH 47%. Water (in/out) 7°C/12°C. Unit in air recirculation mode (Mix 0%)
Base unit in configuration: flat filter + fan + standard main coils

MWZ is the versatile and modular air handling unit. A solution for any installation needs.

HIGH CONFIGURABILITY

MWZ is designed to allow a complete customization of the unit. The full set of modules and accessories makes MWZ the perfect solution for any installation requirements.

HIGH EFFICIENCY IN A SMALL FOOTPRINT



The compact and rational design makes MWZ suitable for reduced spaces. Attention has been paid to the mechanical details in order to guarantee a minimum footprint maintaining maximum robustness and functionality, MWZ offer a quality-price ratio with no comparison.

PERFECT AIR QUALITY

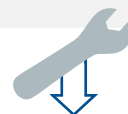


MWZ can provide complete air treatment and a high efficiency filtration. The unit can be equipped with 3 different filters:

- ✓ flat filter
- ✓ corrugated air filters
- ✓ filter rating pocket air filters

The perfect air quality is combined with the advantage of reduced acoustic emissions.

QUICK & EASY INSTALLATION



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

The units can be equipped with several options to be easily adapted to the most different applications:

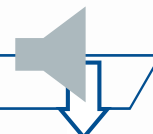
CONTINUOUS CAPACITY MODULATION

HIGH EFFICIENCY



The EC motor technology allows continuous, 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 in comparison to a traditional AC fan. EC fan coil units are key in cutting the yearly energy consumption and related cost of buildings.

VERY SILENT OPERATION



Designed for the maximum acoustic comfort, the unit operates always at the lowest fan speed to keep the temperature set-point stable and ensure low noise emissions.

INSTALLATION

HORIZONTAL



PVBO

Low air intake horizontal installation.



FVBO

Front air intake horizontal installation.

VERTICAL



FVBV

Front air intake vertical installation vertical air supply.



FVBF

Front air intake vertical installation front air supply.

TECHNICAL OVERVIEW

STANDARD COMPONENTS

BASE UNIT

MWZ are the new Compact Air handling Units from Mitsubishi Electric hydronic and iT Cooling systems SpA, with high configuration flexibility and compact dimensions, for installation in commercial and services applications.

STRUCTURE

20 mm sandwich panel, with galvanised sheet metal on the inside and painted (RAL9002) galvanised sheet metal on the outside, with high-density fibreglass filling. Optional ceiling/wall fastening brackets for horizontal installation.

FAN ASSEMBLY

Centrifugal fan with double-sided intake (forward curved blades). 3-speed AC motor or high efficiency EC fan for continuous capacity modulation.

HEAT EXCHANGER

Copper pipes and aluminium fins heat exchanger coil (main coil 3-4 rows; secondary coil 2 row for 4-pipe units). Can be equipped with 2-way or 3-way valve, with ON-OFF or modulating actuator.

CONDENSATE DRAIN PAN

Condensate collection pan for vertical or horizontal installation with thermal insulation. Horizontal/vertical condensate drain pumps available as options. Auxiliary Galvanised metal condensate collection pan with thermal insulation.

AIR FILTERS

Unit is supplied without air filters. Several filtering options are available as options.



Mixing Chamber
for internal/
external air.

Corrugated Filter
High Efficiency Filters
with corrugated
structure for a better
air filtration.

Bag filters.

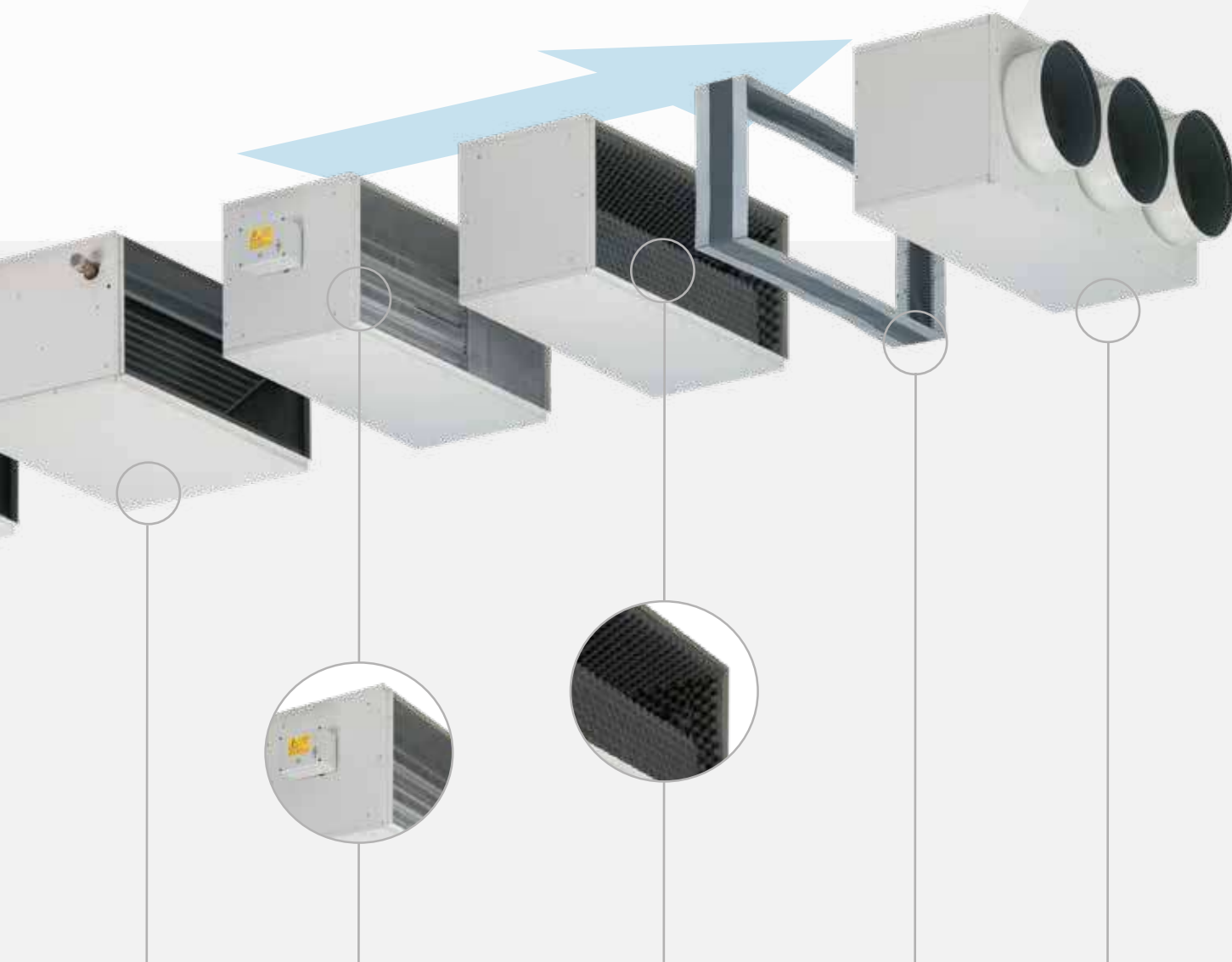
**Electrical
box.**

**Base
unit.**

Rain Cover
Rain cover for
units with external
installation.

OPTIONAL ACCESSORIES AND ADDITIONAL MODULES

The image shows an example of configuration of some accessories available to the base unit.



**Additional 2R
Coil section.**

**Electrical Heater
Section**

Electrical Heater of various capacities up to 18 kW, supplied with relè and safety thermostat.

Noise attenuator Section

Noise attenuator Section with double layer, with internal PE material of closed cell, which guaranties sound levels conform to the installation needs.

**Antivibration
junction.**

**Circular
Plenum
Section.**

CONTROLLERS

MWZ can be connected to the Climaveneta remote controls range



PSW wall
mounted controller



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)

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

* with dedicated accessory

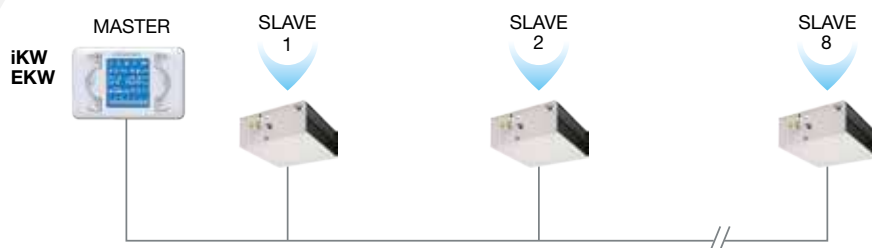
** 6 speed available with i-HB power board

The units with AC motor need SPB or SDI kits, according to unit size

PSW / MTW / ATW / EKW+ HB / IKW+HB	0102/4	0202/4	0302/4	0402/4	0502/4	0602/4	0702/4	0802/4	0902/4	1002/4
SPB	✓	✓	✓							
SDI				✓	✓	✓	✓	✓	✓	✓

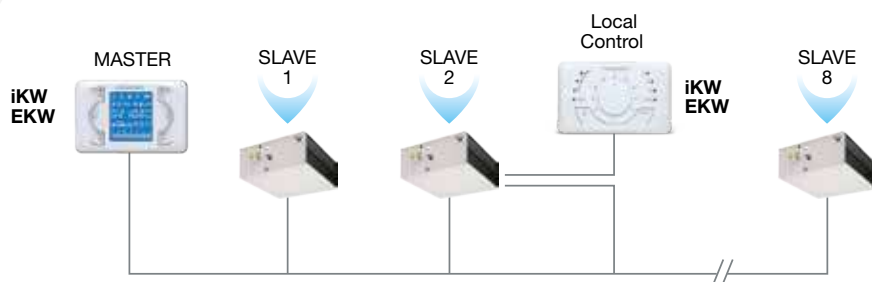
MULTIPLE CONNECTIONS

Integration in a Master / Slave network up to 8 units



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

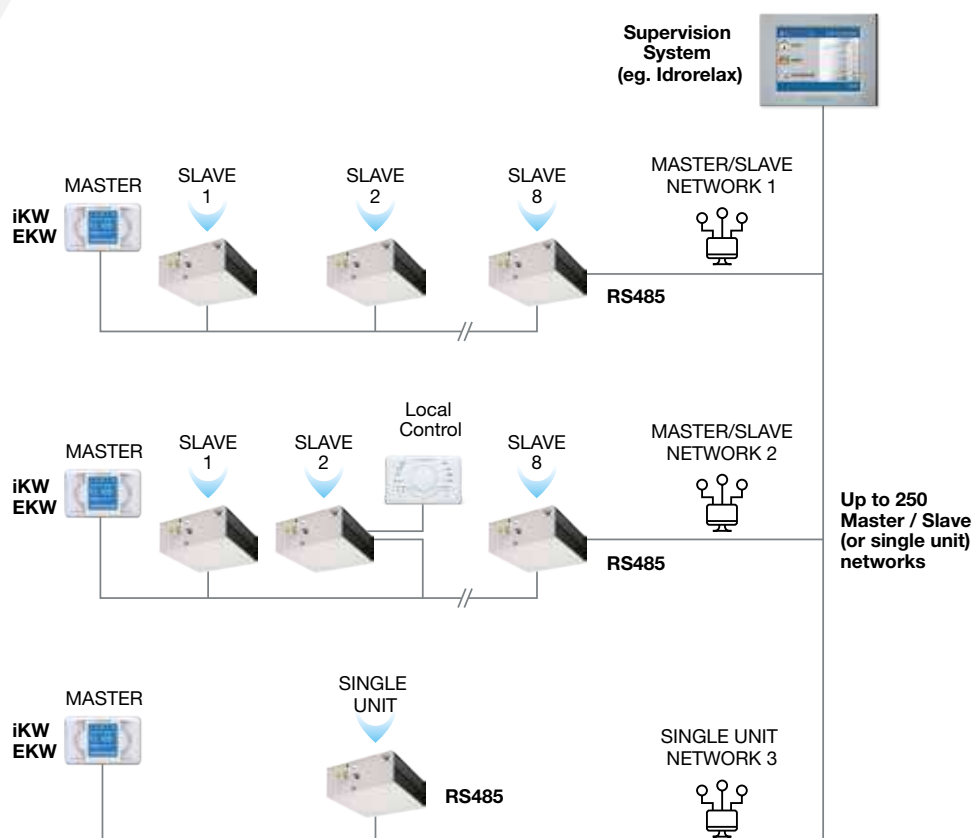
Integration in a Master / Slave network up to 8 units with local control



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

The local controller manages the connected unit by setting: set-point (± 2 °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

**MWZ**

Air handling unit for indoor and outdoor installation.

Air flow from 1.500 to 9.000 m³/h.

MWZ 2T PVBO/FVBO - AC fan			0102	0202	0302	0402	0502	0602	0702	0802	0902	1002
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Power supply		V/ph/Hz	230/1/50									
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2 PIPES SYSTEM CONFIGURATION**PERFORMANCE****Cooling**

Total cooling capacity	(1)(2)	kW	5,82	9,34	10,8	13,3	16,6	20,8	19,2	22,2	26,5	42,2
Sensible cooling capacity	(1)(2)	kW	4,69	7,77	8,84	10,9	13,5	16,8	16,0	18,1	21,8	32,2
Max water flow	(1)(2)	l/s	0,28	0,45	0,52	0,64	0,79	0,99	0,92	1,06	1,27	2,02
Pressure Drop in cooling mode	(1)(2)	kPa	27,2	26,9	25,2	26,0	24,2	24,7	25,2	23,2	27,4	26,4

Heating

Total heating capacity	(2)(3)	kW	6,85	11,2	12,9	15,8	19,6	24,2	23,3	26,2	31,4	45,7
Water flow in heating mode	(2)(3)	l/s	0,33	0,54	0,62	0,76	0,95	1,17	1,12	1,26	1,52	2,21
Pressure drop in heating mode	(2)(3)	kPa	33,7	34,7	32,0	32,8	30,3	30,1	33,4	28,9	30,3	27,8

Noise data

Sound Power on outlet side	(4)	dB(A)	67	72	72	74	71	73	75	75	77	74
Sound Power on inlet side	(4)	dB(A)	70	75	75	77	74	76	78	78	80	77

FANS

Air flow		m ³ /h	1492	2478	2740	3373	4535	5075	4940	5464	6736	8934
External static pressure	(5)	Pa	99	98	80	110	97	76	97	79	110	93
Power Input	(6)	kW	0,30	0,69	0,76	1,20	1,22	1,32	1,38	1,50	2,39	2,36

SIZE AND WEIGHT

A	(2)	mm	870	1020	1120	1160	1150	1250	1020	1120	1160	1470
B	(2)	mm	550	650	750	750	1150	1350	1150	1350	1350	1650
H	(2)	mm	380	440	440	480	570	570	440	440	480	600
Weight	(2)	kg	45	59	71	77	119	139	100	121	131	224

MWZ 2T FVBO/FVBF - AC fan			0102	0202	0302	0402	0502	0602	0702	0802	0902	1002
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Power supply		V/ph/Hz	230/1/50									
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2 PIPES SYSTEM CONFIGURATION**PERFORMANCE****Cooling**

Total cooling capacity	(1)(2)	kW	5,82	9,34	10,8	13,3	16,6	20,8	19,2	22,2	26,5	42,2
Sensible cooling capacity	(1)(2)	kW	4,69	7,77	8,84	10,9	13,5	16,8	16,0	18,1	21,8	32,2
Max water flow	(1)(2)	l/s	0,28	0,45	0,52	0,64	0,79	0,99	0,92	1,06	1,27	2,02
Pressure Drop in cooling mode	(1)(2)	kPa	27,2	26,9	25,2	26,0	24,2	24,7	25,2	23,2	27,4	26,4

Heating

Total heating capacity	(2)(3)	kW	6,85	11,2	12,9	15,8	19,6	24,2	23,3	26,2	31,4	45,7
Water flow in heating mode	(2)(3)	l/s	0,33	0,54	0,62	0,76	0,95	1,17	1,12	1,26	1,52	2,21
Pressure drop in heating mode	(2)(3)	kPa	33,7	34,7	32,0	32,8	30,3	30,1	33,4	28,9	30,3	27,8

Noise data

Sound Power on outlet side	(4)	dB(A)	67	72	72	74	71	73	75	75	77	74
Sound Power on inlet side	(4)	dB(A)	70	75	75	77	74	76	78	78	80	77

FANS

Air flow		m ³ /h	1492	2478	2740	3373	4535	5075	4940	5464	6736	8934
External static pressure	(5)	Pa	99	98	80	110	97	76	97	79	110	93
Power Input	(6)	kW	0,30	0,69	0,76	1,20	1,22	1,32	1,38	1,50	2,39	2,36

SIZE AND WEIGHT

A	(2)	mm	380	440	440	480	570	570	440	440	480	600
B	(2)	mm	550	650	750	750	1150	1350	1150	1350	1350	1650
H	(2)	mm	870	1020	1120	1160	1150	1250	1020	1120	1160	1470
Weight	(2)	kg	45	59	71	77	119	139	100	121	131	224

Notes:

- Cooling: Indoor 27°C, RH 47%. Chilled water (in/out) 7°C/12°C. Unit in air recirculation mode (Mix 0%).
- Base unit in configuration: flat filter + fan + standard main coils
- Heating: Indoor 20°C, RH 50%. Hot water (in/out) 45°C/40°C. Unit in air recirculation mode (MIX 0%)
- Sound power on the basis of measurements made in compliance with ISO 9614.
- External static pressure for base unit, equipped with flat filter (pressure drops due to other optional accessories are not included/calculated)
- Power input calculated for base unit equipped with flat filter (other optional accessories are not included/calculated)

MWZ 4T PVBO/FVBO - AC fan			0104	0204	0304	0404	0504	0604	0704	0804	0904	1004
Power supply		V/ph/Hz	230/1/50									
4 PIPES SYSTEM CONFIGURATION												
PERFORMANCE												
Cooling												
Total cooling capacity	(1)(2)	kW	5,57	9,12	10,6	13,1	16,2	20,5	18,7	21,9	26,2	41,3
Sensible cooling capacity	(1)(2)	kW	4,48	7,58	8,69	10,7	13,2	16,6	15,6	17,8	21,5	31,5
Max water flow	(1)(2)	l/s	0,27	0,44	0,51	0,63	0,77	0,98	0,89	1,05	1,25	1,97
Pressure Drop in cooling mode	(1)(2)	kPa	25,0	25,7	24,4	25,3	23,2	24,0	24,0	22,4	26,7	25,3
Heating												
Total heating capacity	(2)(3)	kW	5,08	8,43	9,97	12,2	14,8	18,9	17,3	20,1	24,0	30,9
Water flow in heating mode	(2)(3)	l/s	0,24	0,41	0,48	0,59	0,72	0,91	0,84	0,97	1,16	1,49
Pressure drop in heating mode	(2)(3)	kPa	36,5	39,0	35,8	40,8	38,7	31,9	40,1	32,7	39,0	39,6
Noise data												
Sound Power on outlet side	(4)	dB(A)	67	72	72	74	71	73	75	75	77	74
Sound Power on inlet side	(4)	dB(A)	70	75	75	77	74	76	78	78	80	77
FANS												
Air flow		m ³ /h	1418	2411	2689	3312	4421	5000	4802	5360	6612	8716
External static pressure	(5)	Pa	86	91	75	105	90	71	89	74	105	86
Power Input	(6)	kW	0,28	0,66	0,73	1,15	1,15	1,26	1,30	1,45	2,28	2,22
SIZE AND WEIGHT												
A	(2)	mm	870	1020	1120	1160	1150	1250	1020	1120	1160	1470
B	(2)	mm	550	650	750	750	1150	1350	1150	1350	1350	1650
H	(2)	mm	380	440	440	480	570	570	440	440	480	600
Weight	(2)	kg	50	65	78	84	130	155	111	137	147	248

MWZ 4T FVBV/FVBF - AC fan			0104	0204	0304	0404	0504	0604	0704	0804	0904	1004
Power supply		V/ph/Hz	230/1/50									
4 PIPES SYSTEM CONFIGURATION												
PERFORMANCE												
Cooling												
Total cooling capacity	(1)(2)	kW	5,57	9,12	10,6	13,1	16,2	20,5	18,7	21,9	26,2	41,3
Sensible cooling capacity	(1)(2)	kW	4,48	7,58	8,69	10,7	13,2	16,6	15,6	17,8	21,5	31,5
Max water flow	(1)(2)	l/s	0,27	0,44	0,51	0,63	0,77	0,98	0,89	1,05	1,25	1,97
Pressure Drop in cooling mode	(1)(2)	kPa	25,0	25,7	24,4	25,3	23,2	24,0	24,0	22,4	26,7	25,3
Heating												
Total heating capacity	(2)(3)	kW	5,08	8,43	9,97	12,2	14,8	18,9	17,3	20,1	24,0	30,9
Water flow in heating mode	(2)(3)	l/s	0,24	0,41	0,48	0,59	0,72	0,91	0,84	0,97	1,16	1,49
Pressure drop in heating mode	(2)(3)	kPa	36,5	39,0	35,8	40,8	38,7	31,9	40,1	32,7	39,0	39,6
Noise data												
Sound Power on outlet side	(4)	dB(A)	67	72	72	74	71	73	75	75	77	74
Sound Power on inlet side	(4)	dB(A)	70	75	75	77	74	76	78	78	80	77
FANS												
Air flow		m ³ /h	1418	2411	2689	3312	4421	5000	4802	5360	6612	8716
External static pressure	(5)	Pa	86	91	75	105	90	71	89	74	105	86
Power Input	(6)	kW	0,28	0,66	0,73	1,15	1,1	1,26	1,30	1,45	2,28	2,22
SIZE AND WEIGHT												
A	(2)	mm	380	440	440	480	570	570	440	440	480	600
B	(2)	mm	550	650	750	750	1150	1350	1150	1350	1350	1650
H	(2)	mm	870	1020	1120	1160	1150	1250	1020	1120	1160	1470
Weight	(2)	kg	50	65	78	84	130	155	111	137	147	248

Notes:

- Cooling: Indoor 27°C, RH 47%. Chilled water (in/out) 7°C/12°C. Unit in air recirculation mode (Mix 0%).
- Base unit in configuration: flat filter + fan + standard main coils
- Heating: Indoor 20°C, RH 50%. Hot water (in/out) 45°C/40°C. Unit in air recirculation mode (MIX 0%)

- Sound power on the basis of measurements made in compliance with ISO 9614.
- External static pressure for base unit, equipped with flat filter (pressure drops due to other optional accessories are not included/calculated)
- Power input calculated for base unit equipped with flat filter (other optional accessories are not included/calculated)

**MWZ**

Air handling unit for indoor and outdoor installation.

Air flow from 1.500 to 9.000 m³/h.

MWZ 2T PVBO/FVBO - EC fan			0102	0202	0302	0402	0502	0602	0702	0802	0902	1002
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Power supply		V/ph/Hz	230/1/50									
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2 PIPES SYSTEM CONFIGURATION**PERFORMANCE****Cooling**

Total cooling capacity	(1)(2)	kW	5,84	9,41	11,7	12,4	15,9	22,6	19,4	24,1	24,7	40,7
Sensible cooling capacity	(1)(2)	kW	4,71	7,83	9,60	10,1	12,9	18,3	16,2	19,7	20,2	31,1
Max water flow	(1)(2)	l/s	0,28	0,45	0,56	0,59	0,76	1,08	0,93	1,16	1,18	1,94
Pressure Drop in cooling mode	(1)(2)	kPa	27,5	27,3	29,6	22,5	22,3	29,2	25,7	27,3	23,7	24,6

Heating

Total heating capacity	(2)(3)	kW	6,89	11,3	14,0	14,7	18,8	26,4	23,5	28,5	29,2	44,0
Water flow in heating mode	(2)(3)	l/s	0,33	0,55	0,67	0,71	0,91	1,27	1,14	1,37	1,41	2,12
Pressure drop in heating mode	(2)(3)	kPa	34,0	35,2	37,6	28,5	27,9	35,6	34,1	34,0	26,2	25,8

Noise data

Sound Power on outlet side	(4)	dB(A)	66	75	77	78	71	77	78	81	81	74
Sound Power on inlet side	(4)	dB(A)	69	78	80	81	74	80	81	84	84	77

FANS

Air flow		m ³ /h	1500	2500	3000	3092	4319	5584	5000	6000	6180	8576
External static pressure	(5)	Pa	100	100	100	88	86	95	100	100	88	84
Power Input	(6)	kW	0,22	0,62	0,92	0,99	0,75	1,24	1,24	1,85	1,97	1,54

SIZE AND WEIGHT

A	(2)	mm	870	1020	1120	1160	1150	1250	1020	1120	1160	1470
B	(2)	mm	550	650	750	750	1150	1350	1150	1350	1350	1650
H	(2)	mm	380	440	440	480	570	570	440	440	480	600
Weight	(2)	kg	45	59	71	77	119	139	100	121	131	224

MWZ 2T FVBO/FVBF - EC fan			0102	0202	0302	0402	0502	0602	0702	0802	0902	1002
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Power supply		V/ph/Hz	230/1/50									
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2 PIPES SYSTEM CONFIGURATION**PERFORMANCE****Cooling**

Total cooling capacity	(1)(2)	kW	5,84	9,41	11,7	12,4	15,9	22,6	19,4	24,1	24,7	40,7
Sensible cooling capacity	(1)(2)	kW	4,71	7,83	9,60	10,1	12,9	18,3	16,2	19,7	20,2	31,1
Max water flow	(1)(2)	l/s	0,28	0,45	0,56	0,59	0,76	1,08	0,93	1,16	1,18	1,94
Pressure Drop in cooling mode	(1)(2)	kPa	27,5	27,3	29,6	22,5	22,3	29,2	25,7	27,3	23,7	24,6

Heating

Total heating capacity	(2)(3)	kW	6,89	11,3	14,0	14,7	18,8	26,4	23,5	28,5	29,2	44,0
Water flow in heating mode	(2)(3)	l/s	0,33	0,55	0,67	0,71	0,91	1,27	1,14	1,37	1,41	2,12
Pressure drop in heating mode	(2)(3)	kPa	34,0	35,2	37,6	28,5	27,9	35,6	34,1	34,0	26,2	25,8

Noise data

Sound Power on outlet side	(4)	dB(A)	66	75	77	78	71	77	78	81	81	74
Sound Power on inlet side	(4)	dB(A)	69	78	80	81	74	80	81	84	84	77

FANS

Air flow		m ³ /h	1500	2500	3000	3092	4319	5584	5000	6000	6180	8576
External static pressure	(5)	Pa	100	100	100	88	86	95	100	100	88	84
Power Input	(6)	kW	0,22	0,62	0,92	0,99	0,75	1,24	1,24	1,85	1,97	1,54

SIZE AND WEIGHT

A	(2)	mm	380	440	440	480	570	570	440	440	480	600
B	(2)	mm	550	650	750	750	1150	1350	1150	1350	1350	1650
H	(2)	mm	870	1020	1120	1160	1150	1250	1020	1120	1160	1470
Weight	(2)	kg	45	59	71	77	119	139	100	121	131	224

Notes:

- Cooling: Indoor 27°C, RH 47%. Chilled water (in/out) 7°C/12°C. Unit in air recirculation mode (Mix 0%).
- Base unit in configuration: flat filter + fan + standard main coils
- Heating: Indoor 20°C, RH 50%. Hot water (in/out) 45°C/40°C. Unit in air recirculation mode (MIX 0%)

- Sound power on the basis of measurements made in compliance with ISO 9614.
- External static pressure for base unit, equipped with flat filter (pressure drops due to other optional accessories are not included/calculated)
- Power input calculated for base unit equipped with flat filter (other optional accessories are not included/calculated)

MWZ 4T PVBO/FVBO - EC fan			0104	0204	0304	0404	0504	0604	0704	0802	0904	1004
Power supply		V/ph/Hz	230/1/50									
4 PIPES SYSTEM CONFIGURATION												
PERFORMANCE												
Cooling												
Total cooling capacity	(1)(2)	kW	5,84	9,41	11,7	12,3	15,7	22,5	19,4	24,1	24,5	40,3
Sensible cooling capacity	(1)(2)	kW	4,71	7,83	9,60	9,99	12,8	18,2	16,2	19,7	20,0	30,7
Max water flow	(1)(2)	l/s	0,28	0,45	0,56	0,59	0,75	1,07	0,93	1,16	1,17	1,92
Pressure Drop in cooling mode	(1)(2)	kPa	27,5	27,3	29,6	22,1	21,9	28,9	25,7	27,3	23,3	24,1
Heating												
Total heating capacity	(2)(3)	kW	5,32	8,69	10,9	11,5	14,4	20,6	17,9	22,1	22,6	30,3
Water flow in heating mode	(2)(3)	l/s	0,26	0,42	0,53	0,55	0,70	0,99	0,86	1,07	1,09	1,46
Pressure drop in heating mode	(2)(3)	kPa	39,9	41,4	42,9	36,0	36,6	37,9	42,8	39,4	34,5	38,0
Noise data												
Sound Power on outlet side	(4)	dB(A)	67	75	78	78	71	77	78	81	81	74
Sound Power on inlet side	(4)	dB(A)	70	78	81	81	74	80	81	84	84	77
FANS												
Air flow		m³/h	1500	2500	3000	3059	4268	5553	5000	6000	6112	8482
External static pressure	(5)	Pa	100	100	100	86	82	94	100	100	85	80
Power Input	(6)	kW	0,25	0,66	0,97	1,00	0,78	1,27	1,34	1,96	2,00	1,59
SIZE AND WEIGHT												
A	(2)	mm	870	1020	1120	1160	1150	1250	1020	1120	1160	1470
B	(2)	mm	550	650	750	750	1150	1350	1150	1350	1350	1650
H	(2)	mm	380	440	440	480	570	570	440	440	480	600
Weight	(2)	kg	50	65	78	84	130	155	111	137	147	248

MWZ 4T FVBO/FVBF - EC fan			0104	0204	0304	0404	0504	0604	0704	0804	0904	1002
Power supply		V/ph/Hz	230/1/50									
4 PIPES SYSTEM CONFIGURATION												
PERFORMANCE												
Cooling												
Total cooling capacity	(1)(2)	kW	5,84	9,41	11,7	12,3	15,7	22,5	19,4	24,1	24,5	40,3
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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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