

**mitsubishi electric**  
**HYDRONICS & IT COOLING SYSTEMS S.p.A.**

COMFORT

HYDRONIC TERMINALS

i-MXW

**HIGH WALL FAN COIL UNIT**  
**FROM 2,0 TO 3,7 kW**



# A NEW WAY OF LIVING COMFORT





i-MXW

## HIGHLY DEVOTED TO YOUR COMFORT



### High Wall unit from 2,0 to 3,7 kW

i-MXW is the new range of high wall units for residential and professional applications.

Thanks to an elegant and compact design, i-MXW fits any kind of ambient and application, even those sensible to aesthetics.

### COMFORT APPLICATIONS

- ✓ Dwellings
- ✓ Residential buildings
- ✓ Hotels
- ✓ Office buildings
- ✓ Small commercial applications

### PERFECT COMFORT

The new i-MXW range is brilliantly engineered to provide a more efficient, more silent and more compact cooling solution.

i-MXW is equipped with EC fan, ensuring the continuous capacity modulation to meet the thermal loads always offering uncompromised energy and acoustic performance.

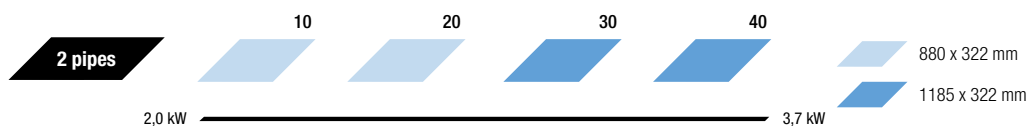


### VERSIONS

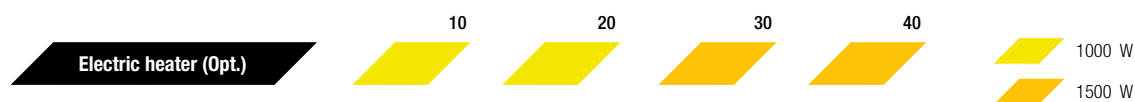
The units are available for installation in 2-pipe systems and in four sizes to meet any kind of installation requirement.

i-MXW

#### EC-FANS



Total cooling capacity at maximum speed: 12°/7° inlet/outlet water temperature; 27° (19°C) Air temperature [inlet dry bulb (inlet wet bulb)]

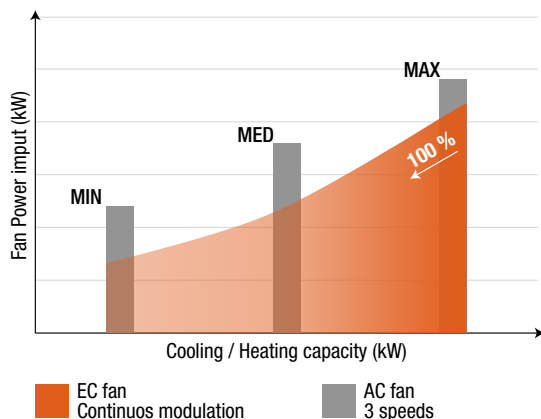


The Electric heater is automatically controlled in place of hot water valve

# Uncompromising comfort, efficiency and design

## i-MXW CONTINUOUS CAPACITY MODULATION FOR THE HIGHEST EFFICIENCY

### REAL SAVINGS



Up to  
-40%

power  
consumption

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 power consumption: up to 40% in comparison to a traditional AC fan.

### SILENT OPERATION



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.

### ELEGANT AND STYLISH DESIGN

The new high-wall unit i-MXW offers an elegant design to meet the requirements of modern residential and commercial architecture. i-MXW compact silhouette perfectly fits in any environment, adding refined aesthetics to any interior.



### QUICK & EASY INSTALLATION



i-MXW are characterized by high flexibility and versatility: 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.

### COMPLETELY RELIABLE OPERATION

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

# EVERYTHING UNDER YOUR CONTROL

## CONTROL OPTIONS

### BASE-LINE UNIT

The 1-10 Vdc signal, which controls the inverter, must be supplied by a controller (e.g. ATW-EC).



#### ATW-EC

- ✓ Operating modes selection
- ✓ Fan speed control (0-10Vdc), AUTO.
- ✓ ON/OFF valve unit control.
- ✓ Electric heater control.
- ✓ Configurable digital input.

### IR REMOTE CONTROL

Infra-red remote control and receiver. Allows timer and automatic swing function.



This can be combined to opt. 5573048000 to connect the unit to BMS (R485) or Master/Slave connection (up to 20 units)

### ADVANCED CONTROL

Advanced thermostat dedicated to flush mounted installation.



#### Smart 1C

- ✓ Selection of the **operating mode** (OFF, Summer/Winter, AUTO/MANUAL, Fan only)
- ✓ Selection of **fan speeds** (3 speeds or 1-10V signal)
- ✓ **Double setpoint Cooling/Heating**
- ✓ Managing of main and additional valve (ON/OFF and 0-10V) (\*)
- ✓ Managing of electrical heater (2 pipe FCU only)
- ✓ **RS485 integrated port for BMS connectivity (Modbus or BACnet)**
- ✓ **Daily and weekly program**
- ✓ Remote **water temperature probe** (accessory), for hot start or automatic summer/winter changeover

## FURTHER OPTIONS

#### 2-WAY VALVE

2-way valve and ON/OFF 230V valve kit, factory mounted or loose kit.

#### 3-WAY VALVE

3-way valve and ON/OFF 230V valve kit, factory mounted or loose kit.

#### ELECTRIC HEATER

1ph/230V supply, hermetically sealed and supplied inside the coil. The electrical heater is controlled in place of the hot water valve. Factory mounted.

#### CONDENSATE PUMP

Condensate drain pump, fits in the unit's body. Supplied loose.

#### WALL INSTALLATION KIT

Kit for wall or concealed installation to change hydraulic connections from left to right.

#### CHANGE-OVER TEMP. PROBE

Change-Over probe T2 for enabling automatic change-over function, only in coupling with IR remote control wall mounted control.





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.



## **mitsubishi electric hydronics & it cooling systems S.p.A.**

Head Office: Via Sarson 57/c - 36061 Bassano del Grappa (VI) - Italy

Tel (+39) 0424 509 500 - Fax (+39) 0424 509 509

[www.climaveneta.com](http://www.climaveneta.com)

[www.melcohit.com](http://www.melcohit.com)