

## MTP-8-Series-R410A R32 R290 R454C Evi Air to Water Dc Inverter Heat Pump with Doublewall

### Product Features

1. Doublewall heat exchangers have two walls between the two fluids
2. Two walls are often used when the heat-transfer fluid is toxic
3. such as ethylene glycol (antifreeze)
4. Double walls are often required as a safety measure in case of leaks
5. helping ensure that the antifreeze does not mix with the potable water supply

| Model                                  |                   | MAR-9CD/BPD    | MAR-15CD/BPD2   | MAR-30CD/BPD2   | MAR-9CD/BPDA   | MAR-15CD/BPDA2  | MAR-30CD/BPDA2  | MAR-9CD/BPDB   | MAR-15CD/BPDB2  | MAR-30CD/BPDB2  |       |
|--|-------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|-------|
| Product Code                           |                   |                |                 |                 |                |                 |                 |                |                 |                 |       |
| Power Supply                           |                   | 220-240V, 50Hz | 3/380-415V/50HZ | 3/380-415V/50HZ | 220-240V, 50Hz | 3/380-415V/50HZ | 3/380-415V/50HZ | 220-240V, 50Hz | 3/380-415V/50HZ | 3/380-415V/50HZ |       |
| Refrigerant                            |                   | R410a or R32   |                 |                 | R290           |                 |                 | R454C          |                 |                 |       |
| Ambient Temp                           |                   | -25 °C - 43°C  |                 |                 |                |                 |                 |                |                 |                 |       |
| Heating Water range                    |                   | 20°C - 55°C    |                 |                 |                |                 |                 |                |                 |                 |       |
| Cooling water range                    |                   | 7°C - 35°C     |                 |                 |                |                 |                 |                |                 |                 |       |
| Heating1<br>( A+7°C<br>W45°C/W50°C )   | Capacity          | KW             | 8.00            | 16.00           | 32.00          | 8.00            | 16.00           | 32.00          | 8.00            | 16.00           | 32.00 |
|  | Power Input       | KW             | 2.30            | 4.60            | 9.00           | 2.30            | 4.60            | 9.00           | 2.30            | 4.60            | 9.00  |
|  | COP               | W/W            | 3.48            | 3.48            | 3.56           | 3.48            | 3.48            | 3.56           | 3.48            | 3.48            | 3.56  |
| Heating2<br>( A -12°C<br>W45°C/W50°C ) | Capacity          | KW             | 7.6             | 13.10           | 26.10          | 7.6             | 13.10           | 26.10          | 7.6             | 13.10           | 26.10 |
|  | Power Input       | KW             | 3.20            | 5.50            | 10.70          | 3.20            | 5.50            | 10.70          | 3.20            | 5.50            | 10.70 |
|  | COP               | W/W            | 2.38            | 2.38            | 2.44           | 2.38            | 2.38            | 2.44           | 2.38            | 2.38            | 2.44  |
| Heating3<br>( A -25°C<br>W45°C/W50°C ) | Capacity          | KW             | 5.10            | 8.36            | 16.50          | 5.10            | 8.36            | 16.50          | 5.10            | 8.36            | 16.50 |
|  | Power Input       | KW             | 2.60            | 4.20            | 8.10           | 2.60            | 4.20            | 8.10           | 2.60            | 4.20            | 8.10  |
|  | COP               | W/W            | 1.96            | 1.99            | 2.04           | 1.96            | 1.99            | 2.04           | 1.96            | 1.99            | 2.04  |
| Cooling<br>( A +35°C<br>W12°C/W7°C )   | Capacity          | KW             | 6.80            | 13.50           | 24.00          | 6.80            | 13.50           | 24.00          | 6.80            | 13.50           | 24.00 |
|  | Power Input       | KW             | 2.50            | 4.90            | 9.00           | 2.50            | 4.90            | 9.00           | 2.50            | 4.90            | 9.00  |
|  | COP               | W/W            | 2.72            | 2.76            | 2.67           | 2.72            | 2.76            | 2.67           | 2.72            | 2.76            | 2.67  |
| Water pump                             | Power Input       | W              | 80              | 190             | 250            | 80              | 190             | 250            | 80              | 190             | 250   |
|  | Rated current     | A              | 0.36            | 0.86            | 1.14           | 0.36            | 0.86            | 1.14           | 0.36            | 0.86            | 1.14  |
| Dimension                              | mm                | 940*375*800    | 940*375*1340    | 1300*650*2100   | 940*375*800    | 940*375*1340    | 1300*650*2100   | 940*375*800    | 940*375*1340    | 1300*650*2100   |       |
| Net/Gross Weight                       | kg                | 95.0           | 130.0           | 180.0           | 95.0           | 130.0           | 180.0           | 95.0           | 130.0           | 180.0           |       |
| Air Flow                               | m <sup>3</sup> /h | 2800           | 5600            | 10000           | 2800           | 5600            | 10000           | 2800           | 5600            | 10000           |       |
| (Water)Flow rate                       | m <sup>3</sup> /h | 1.6            | 2.6             | 3.3             | 1.6            | 2.6             | 3.3             | 1.6            | 2.6             | 3.3             |       |
| Design Pressure                        | MPa               | 4.2            | 4.2             | 4.2             | 4.2            | 4.2             | 4.2             | 4.2            | 4.2             | 4.2             |       |
| Noise Level(1 M)                       | dB(A)             | ≤53.0          | ≤55.0           | ≤55.0           | ≤53.0          | ≤55.0           | ≤55.0           | ≤53.0          | ≤55.0           | ≤55.0           |       |

### Picture



### Note:

The above designs and specifications might be changed without prior notice for product improvement