

The Impact wall mounted unit is ideal for individual offices and smaller retail applications. Quiet and versatile, the unit is easily installed and maintained and can be mounted at a high or low level.

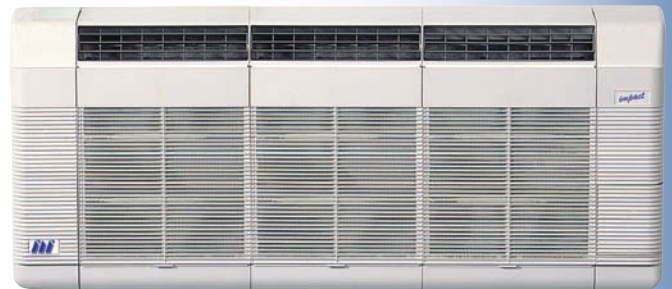
Available in comfort cooling, high sensible cooling (Impact 40 & 60) and heat pump systems, with long pipe runs possible; Impact 20 up to 50m (including 6m lift) and Impact 40 & 60 up to 80m (including 20m lift) equivalent length.

The Impact unit provides cooling duties from 2.1kW to 5.4kW and has an option of forward or upward discharge to minimise draughts and provide effective distribution of air.

A range of matching outdoor units are available and all outdoor units are factory charged with R407C refrigerant.



## Impact Wall Mounted Unit



### Specification

- High or low level wall mounting with front or top air discharge
- Simple to install and maintain
- Adjustable air deflectors
- Long life washable filters
- Comfort cooling, high sensible cooling (Impact 40 & 60) and heat pump matches
- MCU+/MHPUL 15-30 up to 50m pipe runs including 6m lift (equivalent length)
- MCU+/MHPUL 40-60 up to 80m pipe runs including 20m lift (equivalent length)
- Outdoor units factory charged with R407C refrigerant

### Options

- Condensate pump (5m head - with overflow protection) incorporated within the unit
- De-ice thermostat (electromechanical only)
- Electric heater/heat pump boost heater

# Technical Information

| COMFORT COOLING      |              |                  |      |                           |     |
|----------------------|--------------|------------------|------|---------------------------|-----|
| Indoor Unit          | Outdoor Unit | Total Cooling kW | SHR  | Optional Electric Heating |     |
| Impact<br>Impact 'L' | MCU+         |                  |      | kW                        | kW  |
| 20                   | 15*          | 2.1              | 0.78 | 0.7                       | 0.8 |
| 40                   | 40*          | 4.0              | 0.78 | 1.4                       | 1.5 |
| 60                   | 60*          | 5.4              | 0.81 | 2.1                       | 2.3 |

\*Matching ducted condensing unit (DCU+ model) also available for indoor siting

| HIGH SENSIBLE COOLING |              |                  |      |                           |     |
|-----------------------|--------------|------------------|------|---------------------------|-----|
| Indoor Unit           | Outdoor Unit | Total Cooling kW | SHR  | Optional Electric Heating |     |
| Impact<br>Impact 'L'  | MCU+         |                  |      | kW                        | kW  |
| 40                    | 30*          | 3.4              | 0.84 | 1.4                       | 1.5 |
| 60                    | 40*          | 4.4              | 0.86 | 2.1                       | 2.3 |

\*Matching ducted condensing unit (DCU+ model) also available for indoor siting

| REVERSE CYCLE HEAT PUMP |              |                  |      |                     |          |     |                      |          |     |
|-------------------------|--------------|------------------|------|---------------------|----------|-----|----------------------|----------|-----|
| Indoor Unit             | Outdoor Unit | Total Cooling kW | SHR  | Heating 7°C Outdoor |          |     | Heating -1°C Outdoor |          |     |
| Impact 'L'              | MHPUL        |                  |      | Output kW           | Input kW | COP | Output kW            | Input kW | COP |
| 20                      | 15*          | 2.0              | 0.78 | 2.3                 | 1.1      | 2.2 | 1.9                  | 0.9      | 2.0 |
| 40                      | 30*          | 3.3              | 0.85 | 4.0                 | 1.5      | 2.7 | 3.1                  | 1.4      | 2.3 |
| 60                      | 50*          | 5.3              | 0.81 | 5.4                 | 1.9      | 2.8 | 4.3                  | 1.9      | 2.2 |

\*Matching ducted condensing unit (DHPUE model) also available for indoor siting.

Cooling duties rated at 27°C db/19°C wb indoor, 35°C db/24°C wb outdoor at maximum indoor fan speed.

Heat Pump heating duties rated at 20°C db/12°C wb indoor, at maximum indoor unit fan speed.

Electrical characteristics: Impact indoor units and 1 phase outdoor units: 230 volts 50Hz. 3 phase outdoor units: 400 volts 50Hz.

## Options & Matches

Impact



| CONDENSING UNITS AND HEAT PUMPS |       |                     |          |          |           |      |       |      |
|---------------------------------|-------|---------------------|----------|----------|-----------|------|-------|------|
| Outdoor Unit                    |       | Unpacked Dimensions |          |          |           |      |       |      |
|                                 |       | Height mm           | Width mm | Depth mm | Weight kg |      |       |      |
| MCU+                            | MHPUL |                     |          |          | MCU+      |      | MHPUL |      |
|                                 |       |                     |          |          | 1 ph      | 3 ph | 1 ph  | 3 ph |
| 15                              | 15    | 620                 | 904      | 304      | 45        | -    | 47    | -    |
| 30                              | 30    | 620                 | 904      | 304      | 48        | 48   | 50    | 50   |
| 40                              | -     | 620                 | 904      | 304      | 53        | 53   | -     | -    |
| -                               | 50    | 720                 | 1004     | 304      | -         | -    | 64    | 62   |
| 60                              | -     | 720                 | 1004     | 304      | 65        | 63   | -     | -    |

For full design or technical information on all systems, please refer to the relevant technical manual or contact TEV technical department.

We reserve the right to alter designs and specifications at any time without notification.

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