



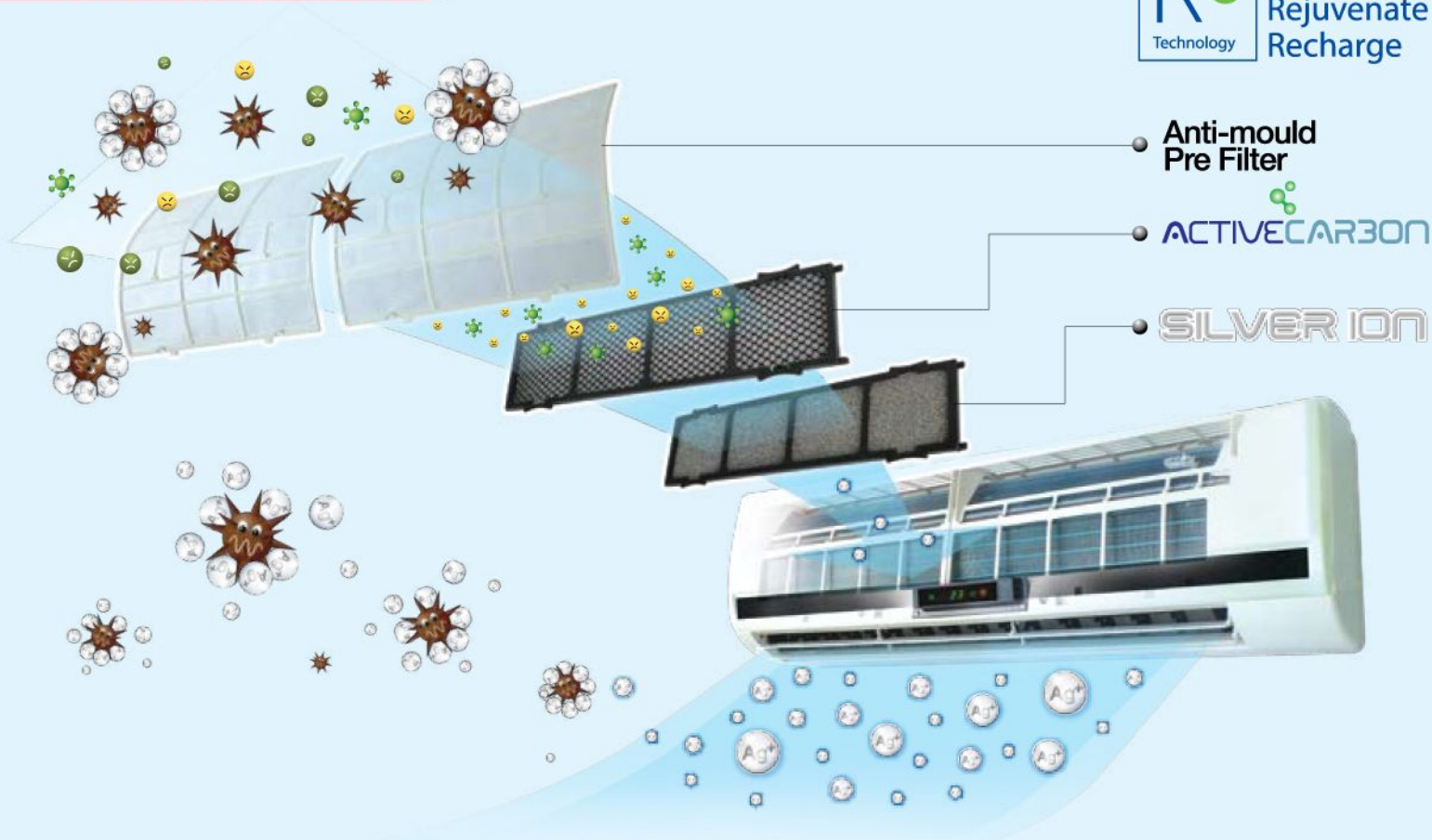
***Absolutely Quiet,  
Fresh & Comfortable Living Environment***

***Innovation Beyond Comfort***

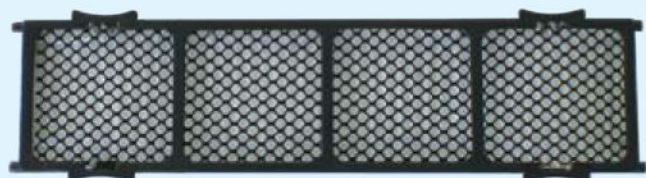
# Air Purifying System



Refresh  
Rejuvenate  
Recharge



**ACTIVECARBON**



**SILVER ION**



**NH<sub>3</sub> Removal Ratio at Active Carbon filter**

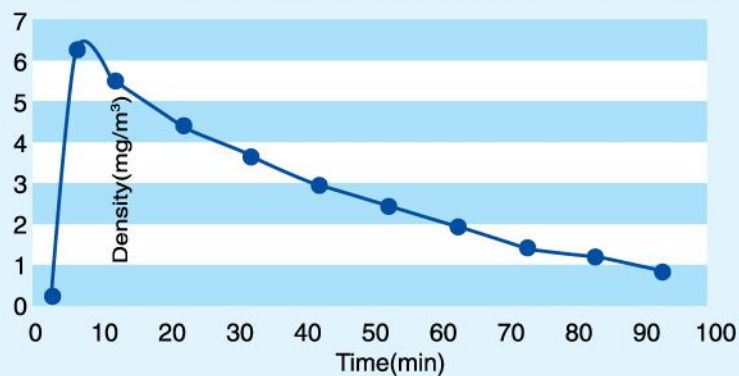
| Time (min) | Density of NH <sub>3</sub> (mg/m <sup>3</sup> ) | NH <sub>3</sub> Removal Ratio (mg/m <sup>3</sup> ) |
|------------|-------------------------------------------------|----------------------------------------------------|
| 0          | 3.17                                            | -                                                  |
| 30         | 0.51                                            | 83.91                                              |
| 60         | 0.28                                            | 91.17                                              |
| 120        | 0.22                                            | 93.06                                              |

## Deodorizing Action

The Active Carbon Electrostatic Fibre Filter incorporates an electrostatic fibre and nano active carbon catalyst (1 nano = 1/1,000,000 mm). The extremely small size and strong chemical bond active carbon catalyst particles are highly attract and absorb odorous, liquid contaminant and harmful gas molecules effectively.

In addition, the electrostatic filter formed positive charges to traps small dust particles, smoke and pet's fur to prevent allergic reactions.

**Dust Removal Ratio of Electrostatic Fibre Filter**



## Sterilizing Action

The Silver Ion Filter released positive charge nano silver ion into the air constantly. Meanwhile, the nano silver ion can deactivate and destroy the germs or bacterial by decompose its cell nucleus through penetration and absorbing their elements in cells, sterilize and keep your family safe from harmful germs.



## Wall Mounted R3 Series



### TWM 10 R3

9,200 BTU/hr

### TWM 13 R3

10,000 / 13,000 BTU/hr



TAS 10 ER3 / TAS 13 ER



### TWM 18 R3

18,000 BTU/hr

### TWM 20 R3

20,000 / 21,000 BTU/hr



TAS 18 ER



TAS 20 EL / TAS 22 ER



### TWM 25 R3

25,000 BTU/hr

### TWM 28 R3

28,000 BTU/hr



TAS 25 ER / TAS 28 ER

## Remote Control

**On/Off Power Button**

**Operating Mode**

- 4 function mode [ Auto, cooling, Drying (dehumidification) and fan only ]

**Automatic Swing**

- Vertical auto up / down swing

**Pre-set Lock Mode (Child Lock)**

- To lock or unlock all current setting memory

**Reset Mode**

- Reset to factory setting

**Turbo Jet Cooling**

- Fast cooling and powerful air flow to rapidly reach your desired room temperature
- Applicable for cooling mode only

**Fan Speed Adjustmet**

- 4 fan speed mode [Auto, low, Medium, High]

**Air Flow Direction Setting**

- Select your optimum airflow by selecting from a range of fixed/swing louver positions

**Temperature/Time Adjustment Setting**

- Increase/decrease desired room temperature
- Increase/decrease desired (time/timer) adjustment

**Timer Setting**

- 24 hour ON/OFF timer setting

**Cancel Timer**

- To cancel timer setting

**Clock Setting**

- 24 hours clock setting

**LED Display**

- To activate/deactivate air conditioner LED room temperature setting digital display

**Sleep Mode**

- Energy-Saving ECO-logic mode to maintain most comfortable temperature for you
- Applicable for cooling and auto mode only

**Temperature Setting Graph:**

| Time (min) | Conventional Air Conditioner (°C) | Turbo Jet Cooling (°C) |
|------------|-----------------------------------|------------------------|
| 0          | 35                                | 35                     |
| 10         | 30                                | 28                     |
| 20         | 25                                | 22                     |
| 30         | 22                                | 20                     |
| 40         | 20                                | 20                     |
| 50         | 20                                | 20                     |
| 60         | 20                                | 20                     |

# Specification

| MODEL                             | (OUTDOOR)<br>(INDOOR)                                          | TAS 10 ER3<br>TWM 10 R3 | TAS 10 ER3<br>TWM 13 R3 | TAS 13 ER<br>TWM 13 R3 | TAS 18 ER<br>TWM 18 R3 | TAS 20 EL<br>TWM 20 R3 | TAS 22 ER<br>TWM 20 R3 | TAS 25 ER<br>TWM 25 R3 | TAS 28 ER<br>TWM 28 R3 |
|-----------------------------------|----------------------------------------------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| NOMINAL CAPACITY                  | (BTU/HR)<br>(KW)                                               | 9,200<br>2.70           | 10,000<br>2.93          | 13,000<br>3.81         | 18,000<br>5.28         | 20,000<br>5.86         | 21,000<br>6.15         | 25,000<br>7.33         | 28,000<br>8.21         |
| POWER SUPPLY                      | (V/PH/HZ)                                                      | 220 - 240 / 1 / 50      |                         |                        |                        |                        |                        |                        |                        |
| DIRECT POWER SUPPLY<br>TO OUTDOOR |                                                                | -                       | -                       | -                      | -                      | -                      | -                      | ●                      | ●                      |
| DIRECT POWER SUPPLY<br>TO INDOOR  |                                                                | ●                       | ●                       | ●                      | ●                      | ●                      | ●                      | -                      | -                      |
| INDOOR FEATURES                   |                                                                |                         |                         |                        |                        |                        |                        |                        |                        |
| FAN                               |                                                                |                         |                         |                        |                        |                        |                        |                        |                        |
| SOUND LEVEL (L / M / H)           | (dBA)                                                          | 31 / 34 / 39            | 32 / 38 / 40            | 32 / 38 / 40           | 38 / 40 / 42           | 38 / 40 / 42           | 38 / 40 / 42           | 43 / 45 / 47           | 43 / 46 / 48           |
| AIR FLOW                          | (CFM)                                                          | 300                     | 340                     | 340                    | 480                    | 520                    | 520                    | 600                    | 660                    |
| RATED POWER INPUT                 | (WATT)                                                         | 45                      | 45                      | 45                     | 55                     | 55                     | 55                     | 74                     | 74                     |
| RATED AMPERE                      | (A)                                                            | 0.21                    | 0.22                    | 0.22                   | 0.26                   | 0.26                   | 0.26                   | 0.33                   | 0.33                   |
| TYPE                              | CROSS FLOW FAN / DIRECT DRIVE                                  |                         |                         |                        |                        |                        |                        |                        |                        |
| EVAPORATOR COIL                   |                                                                |                         |                         |                        |                        |                        |                        |                        |                        |
| TUBE                              | SEAMLESS INNER GROOVE COPPER TUBE                              |                         |                         |                        |                        |                        |                        |                        |                        |
| FIN                               | ANTI CORROSION HYDROPHILIC ALUMINIUM SLIT FIN                  |                         |                         |                        |                        |                        |                        |                        |                        |
| CONTROL                           |                                                                |                         |                         |                        |                        |                        |                        |                        |                        |
| CONTROL DISPLAY                   | LED INDICATOR LIGHT WITH SET DIGITAL TEMPERATURE DISPLAY PANEL |                         |                         |                        |                        |                        |                        |                        |                        |
| ROOM TEMPERATURE                  | MICROCOMPUTER WIRELESS CONTROLLER THERMOSTAT                   |                         |                         |                        |                        |                        |                        |                        |                        |
| AIR DISCHARGE                     | AUTO SWING LOUVER ( UP / DOWN ) & MANUAL ( LEFT / RIGHT )      |                         |                         |                        |                        |                        |                        |                        |                        |
| OPERATION                         | LCD DISPLAY SCREEN C/W FLUORESCENCE BUTTON & AUTO RESTART      |                         |                         |                        |                        |                        |                        |                        |                        |
| FAST COOLING                      | TURBO JET COOLING MODE                                         |                         |                         |                        |                        |                        |                        |                        |                        |
| TIMER                             | 24 HOUR - ON / OFF TIMER                                       |                         |                         |                        |                        |                        |                        |                        |                        |
| AIR PURIFYING FILTER SYSTEM       |                                                                |                         |                         |                        |                        |                        |                        |                        |                        |
| SARAN NET                         | STANDARD                                                       |                         |                         |                        |                        |                        |                        |                        |                        |
| SILVER ION                        | OPTIONAL                                                       |                         |                         |                        |                        |                        |                        |                        |                        |
| ACTIVE CARBON                     | OPTIONAL                                                       |                         |                         |                        |                        |                        |                        |                        |                        |
| DIMENSION                         |                                                                |                         |                         |                        |                        |                        |                        |                        |                        |
| WIDTH                             | (MM)                                                           | 790                     | 790                     | 790                    | 928                    | 928                    | 928                    | 1036                   | 1036                   |
| DEPTH                             | (MM)                                                           | 195                     | 195                     | 195                    | 195                    | 195                    | 195                    | 230                    | 230                    |
| HEIGHT                            | (MM)                                                           | 275                     | 275                     | 275                    | 275                    | 275                    | 275                    | 315                    | 315                    |
| NET WEIGHT                        | (KG)                                                           | 8.5                     | 9.0                     | 9.0                    | 10                     | 10.5                   | 10.5                   | 14.5                   | 15                     |
| OUTDOOR FEATURES                  |                                                                |                         |                         |                        |                        |                        |                        |                        |                        |
| COMPRESSOR                        |                                                                |                         |                         |                        |                        |                        |                        |                        |                        |
| POWER SUPPLY                      | (V/PH/HZ)                                                      | 220 - 240 / 1 / 50      |                         |                        |                        |                        |                        |                        |                        |
| RATED POWER INPUT                 | (WATT)                                                         | 970                     | 970                     | 1260                   | 1670                   | 1900                   | 1950                   | 2380                   | 2730                   |
| RATED AMPERE                      | (A)                                                            | 4.3                     | 4.3                     | 5.6                    | 7.5                    | 8.9                    | 9.1                    | 11.5                   | 13.0                   |
| TYPE                              | ROTARY HERMETIC                                                |                         |                         |                        |                        |                        |                        |                        |                        |
| PROTECTION DEVICE                 | THERMAL OVERLOAD                                               |                         |                         |                        |                        |                        |                        |                        |                        |
| FAN                               |                                                                |                         |                         |                        |                        |                        |                        |                        |                        |
| TYPE                              | PROPELLER FAN / DIRECT DRIVE                                   |                         |                         |                        |                        |                        |                        |                        |                        |
| RATED POWER INPUT                 | (WATT)                                                         | 52                      | 52                      | 65                     | 68                     | 136                    | 136                    | 140                    | 173                    |
| RATED AMPERE                      | (A)                                                            | 0.40                    | 0.40                    | 0.50                   | 0.60                   | 0.70                   | 0.70                   | 0.72                   | 0.75                   |
| CONDENSER COIL                    |                                                                |                         |                         |                        |                        |                        |                        |                        |                        |
| TUBE                              | SEAMLESS INNER GROOVE COPPER TUBE                              |                         |                         |                        |                        |                        |                        |                        |                        |
| FIN                               | ALUMINIUM SLIT FIN                                             |                         |                         |                        |                        |                        |                        |                        |                        |
| REFRIGERANT                       | R - 22                                                         |                         |                         |                        |                        |                        |                        |                        |                        |
| CAPACITY CONTROL                  | CAPILLARY TUBE AT OUTDOOR                                      |                         |                         |                        |                        |                        |                        |                        |                        |
| CASING                            |                                                                |                         |                         |                        |                        |                        |                        |                        |                        |
| MATERIAL                          | ELECTRO-GALVANIZED MILD STEEL                                  |                         |                         |                        |                        |                        |                        |                        |                        |
| FINISH                            | EPOXY POWDER COATING                                           |                         |                         |                        |                        |                        |                        |                        |                        |
| PIPE                              |                                                                |                         |                         |                        |                        |                        |                        |                        |                        |
| DISCHARGE                         | (MM / IN)                                                      | 6.35 (1/4)              | 6.35 (1/4)              | 6.35 (1/4)             | 6.35 (1/4)             | 6.35 (1/4)             | 6.35 (1/4)             | 9.52 (3/8)             | 9.52 (3/8)             |
| SUCTION                           | (MM / IN)                                                      | 9.52 (3/8)              | 9.52 (3/8)              | 12.7 (1/2)             | 12.7 (1/2)             | 15.88 (5/8)            | 15.88 (5/8)            | 15.88 (5/8)            | 15.88 (5/8)            |
| DIMENSION                         |                                                                |                         |                         |                        |                        |                        |                        |                        |                        |
| WIDTH                             | (MM)                                                           | 700                     | 700                     | 780                    | 780                    | 845                    | 845                    | 845                    | 845                    |
| DEPTH                             | (MM)                                                           | 235                     | 235                     | 250                    | 250                    | 335                    | 335                    | 335                    | 335                    |
| HEIGHT                            | (MM)                                                           | 535                     | 535                     | 540                    | 540                    | 695                    | 695                    | 695                    | 695                    |
| NET WEIGHT                        | (KG)                                                           | 27                      | 27                      | 34                     | 37                     | 47                     | 49                     | 56                     | 62                     |

All specifications are subject to change by manufacturer without prior notice.

Note : The nominal cooling capacity is based on condenser outdoor air entering temp. 35 °C (DB); indoor on coil temp. 27/19 °C ( DB / WB )



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DB TOPAIRE SDN BHD



MS ISO 9001: 2000 REG. NO. AR 2951