

# PRODUCT INFORMATION SHEET

## SET-ASTH24KNTA

### Comfort - SET-ASTH24KNTA - Reverse Cycle

Great for large rooms, GENERAL's Comfort range of wall mounted split system air conditioning units provide energy efficient, all-year-round climate control for the home and uses R32 refrigerant, which has a 67 percent lower 'Global Warming Potential Factor' whilst still maintaining the performance of the air conditioner\*. Other features include super-quiet mode and powerful operation mode.

\*<https://www.ipcc.ch/assessment-report/ar4/>



ASTH24KNTA



AOTH24KNTA



AR-RPD3E

### Key features



#### Washable Panel

Dust that accumulates on the air conditioner can be easily cleaned with a damp cloth.



#### Up/Down Swing Louvre

The up/down louvre automatically swings up and down.



#### Auto Shut Louvre

The auto shut louvres close or open automatically when the unit stops or starts.



#### Demand Response

This product is designed to be compatible with Air Conditioning Demand Response program. When your electricity supplier activates one of the three modes the air conditioner switches over to the appropriate operation.



#### Powerful Mode

Powerful mode will operate the indoor unit fan and outdoor unit compressor at maximum operation to quickly make the room conditioned and comfortable.



#### Automatic Louvre

The position of the louvres is set automatically to match the operating mode. It is also possible to adjust the louvres using the remote control.



#### Auto Changeover

The unit automatically switches between operating modes based on the temperature setting and room temperature.



#### Auto Restart

Should there be a temporary loss of power, the unit will automatically restart itself in the same operating mode, once the power is restored.

# Key features



**Automatic Air Flow Adjustment**  
The micro-processor automatically adjusts the air flow to follow changes in room temperature.



**Filter Sign**  
Select appropriate intervals for displaying the filter sign on the indoor unit according to the estimated amount of dust in the air of the room.



**V-PAM**  
v-PAM inverter technology increases the maximum output of the compressor significantly and enables high power and high efficiency.



**All DC**  
With All DC, electricity loss is decreased and power consumption reduced.



**Sleep Timer**  
The micro-processor gradually changes the room temperature, allowing you to sleep comfortably at night.



**Super Quiet Mode**  
The indoor units fan can operate at a low speed to produce quieter operation.



**i-PAM**  
i-PAM inverter technology enables high output and high efficiency performance.



**Blue Fin Heat Exchanger**  
Corrosion-resistance of the heat exchanger in coastal areas has been improved by blue fin treatment of the outdoor unit heat exchanger.



**On-Off Timer**  
ON-OFF timer can be set to operate once every 24 hours.



**Economy Mode**  
Limits the maximum operation current, and performs operation with the power consumption suppressed.



**Program Timer**  
This timer allows selection of one of four options. ON, OFF, ON —> OFF, or OFF —> ON.



**Low Noise Mode**  
The compressor speed and the outdoor unit fan speed are limited to reduce the operational noise.

# Specifications

| Model No.                              | Outdoor Unit                               |  |         | AOTH24KNTA     |         |
|----------------------------------------|--------------------------------------------|--|---------|----------------|---------|
|                                        | Indoor Unit                                |  |         | ASTH24KNTA     |         |
| Operation Type                         |                                            |  |         | Reverse Cycle  |         |
| Power Source                           | V / Ph / HZ                                |  |         | 230 / 1 / 50   |         |
| Capacity                               | Cooling                                    |  | KW      | 7.10 (1 - 8)   |         |
|                                        | Heating                                    |  | KW      | 8.00 (1 - 9.6) |         |
| Input Power                            | Cooling                                    |  | KW      | 2.2            |         |
|                                        | Heating                                    |  | KW      | 2.08           |         |
| EER                                    | Cooling                                    |  | kW/kW   | 3.23           |         |
| COP                                    | Heating                                    |  | kW/kW   | 3.85           |         |
| Star Rating                            | Cooling                                    |  |         | 3.5            |         |
|                                        | Heating                                    |  |         | 3.5            |         |
| Noise Level                            | Indoor Sound Pressure (High / Quiet)       |  | Cooling | dBa            | 50 / 31 |
|                                        |                                            |  | Heating | dBa            | 48 / 31 |
|                                        | Outdoor Sound Pressure (Cooling / Heating) |  |         | dBa            | 55 / 56 |
|                                        | Outdoor Sound Power                        |  |         | dBa            | 67      |
| Electrical                             |                                            |  |         |                |         |
| Power Requirement                      |                                            |  |         | 230            |         |
| MCB / Cable Size (mm)                  |                                            |  |         | 2.5            |         |
| Interconnecting Wires / Size (mm)      |                                            |  |         | 2.5            |         |
| Recommended Breaker Size (amps)        |                                            |  |         | 20             |         |
| Maximum Operating Current (amps)       |                                            |  |         | 17             |         |
| Refrigerant                            |                                            |  |         |                |         |
| Refrigerant Type                       |                                            |  |         | R32            |         |
| Charge (g)                             |                                            |  |         | 1,200          |         |
| Pre Charged (M)                        |                                            |  |         | 15             |         |
| Maximum Pipe Length (M)                |                                            |  |         | 30             |         |
| Minimum Pipe Length (M)                |                                            |  |         | 3              |         |
| Maximum Pipe Height (M)                |                                            |  |         | 25             |         |
| Additonal Refrigerant Charge (g) Per M |                                            |  |         | 20             |         |
| Pipe Sizes Suction / Liquid (mm)       |                                            |  |         | 12.7 / 6.35    |         |
| Refrigeration Pipes Connection Method  |                                            |  |         | Flared         |         |

# Technical Data - Cooling

NOTE: Values calculated are based on maximum capacity

## ■ Model: ASTH24KNTA

| AFR                 |      |                    |      |      |      |      | m³/h |      |      |      |      |      |      | 1,210 |      |      |      |      |      |      |      |      |
|---------------------|------|--------------------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|
|                     |      | Indoor temperature |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |
| °CDB                |      | 18                 |      |      | 21   |      |      | 23   |      |      | 25   |      |      | 27    |      |      | 29   |      |      | 32   |      |      |
| °CWB                |      | 12                 |      |      | 15   |      |      | 16   |      |      | 18   |      |      | 19    |      |      | 21   |      |      | 23   |      |      |
| Outdoor temperature | °CDB | TC                 | SHC  | IP   | TC   | SHC  | IP   | TC   | SHC  | IP   | TC   | SHC  | IP   | TC    | SHC  | IP   | TC   | SHC  | IP   | TC   | SHC  | IP   |
|                     |      | kW                 |      |      | kW   |      |      | kW   |      |      | kW   |      |      | kW    |      |      | kW   |      |      | kW   |      |      |
|                     | -10  | 4.34               | 3.37 | 0.82 | 4.75 | 3.69 | 0.82 | 4.90 | 3.80 | 0.83 | 5.21 | 4.05 | 0.84 | 5.37  | 4.17 | 0.85 | 5.72 | 4.44 | 0.86 | 6.10 | 4.74 | 0.87 |
|                     | -5   | 4.07               | 3.24 | 0.90 | 4.46 | 3.54 | 0.91 | 4.59 | 3.65 | 0.92 | 4.88 | 3.88 | 0.93 | 5.04  | 4.00 | 0.94 | 5.37 | 4.26 | 0.95 | 5.72 | 4.54 | 0.96 |
|                     | 0    | 3.80               | 3.10 | 0.99 | 4.16 | 3.39 | 1.00 | 4.29 | 3.49 | 1.01 | 4.56 | 3.72 | 1.02 | 4.70  | 3.83 | 1.03 | 5.01 | 4.08 | 1.04 | 5.34 | 4.35 | 1.05 |
|                     | 5    | 3.92               | 3.09 | 0.88 | 4.28 | 3.38 | 0.89 | 4.42 | 3.48 | 0.90 | 4.70 | 3.71 | 0.91 | 4.84  | 3.82 | 0.92 | 5.16 | 4.07 | 0.93 | 5.50 | 4.34 | 0.94 |
|                     | 10   | 4.03               | 3.08 | 0.78 | 4.41 | 3.37 | 0.79 | 4.54 | 3.48 | 0.79 | 4.83 | 3.70 | 0.80 | 4.98  | 3.81 | 0.81 | 5.31 | 4.06 | 0.82 | 5.66 | 4.33 | 0.83 |
|                     | 15   | 5.16               | 3.77 | 1.14 | 5.65 | 4.12 | 1.15 | 5.82 | 4.25 | 1.16 | 6.19 | 4.52 | 1.17 | 6.38  | 4.66 | 1.19 | 6.80 | 4.96 | 1.20 | 7.25 | 5.29 | 1.21 |
|                     | 20   | 6.29               | 4.45 | 1.50 | 6.89 | 4.87 | 1.51 | 7.10 | 5.02 | 1.53 | 7.55 | 5.34 | 1.54 | 7.78  | 5.50 | 1.56 | 8.29 | 5.86 | 1.58 | 8.84 | 6.25 | 1.59 |
|                     | 25   | 6.11               | 4.43 | 1.70 | 6.69 | 4.85 | 1.72 | 6.89 | 5.00 | 1.74 | 7.33 | 5.31 | 1.76 | 7.55  | 5.48 | 1.77 | 8.05 | 5.84 | 1.79 | 8.58 | 6.22 | 1.81 |
|                     | 30   | 5.93               | 4.41 | 1.91 | 6.49 | 4.83 | 1.93 | 6.68 | 4.97 | 1.95 | 7.11 | 5.29 | 1.97 | 7.33  | 5.45 | 1.99 | 7.81 | 5.81 | 2.01 | 8.32 | 6.20 | 2.03 |
|                     | 35   | 5.74               | 4.39 | 2.11 | 6.28 | 4.81 | 2.13 | 6.48 | 4.95 | 2.16 | 6.89 | 5.27 | 2.18 | 7.10  | 5.43 | 2.20 | 7.57 | 5.79 | 2.22 | 8.07 | 6.17 | 2.24 |
| 40                  | 5.30 | 4.07               | 2.16 | 5.80 | 4.45 | 2.18 | 5.98 | 4.59 | 2.21 | 6.35 | 4.88 | 2.23 | 6.55 | 5.03  | 2.25 | 6.98 | 5.36 | 2.27 | 7.44 | 5.71 | 2.30 |      |
| 46                  | 4.00 | 3.61               | 1.61 | 4.38 | 3.95 | 1.63 | 4.52 | 4.07 | 1.65 | 4.80 | 4.33 | 1.66 | 4.95 | 4.46  | 1.68 | 5.27 | 4.75 | 1.70 | 5.62 | 5.07 | 1.71 |      |
| 50                  | 3.20 | 3.13               | 1.36 | 3.50 | 3.43 | 1.38 | 3.60 | 3.53 | 1.39 | 3.83 | 3.75 | 1.41 | 3.95 | 3.87  | 1.42 | 4.21 | 4.12 | 1.43 | 4.49 | 4.40 | 1.45 |      |

# Technical Data - Heating

NOTE: Values calculated are based on maximum capacity

## ■ Model: ASTH24KNTA

| AFR                 |      |      | m³/h               |      |      |      |      |      | 1,120 |      |      |      |      |      |      |      |  |  |
|---------------------|------|------|--------------------|------|------|------|------|------|-------|------|------|------|------|------|------|------|--|--|
|                     |      |      | Indoor temperature |      |      |      |      |      |       |      |      |      |      |      |      |      |  |  |
|                     |      |      | 16                 |      | 18   |      | 20   |      | 22    |      | 24   |      | 26   |      | 28   |      |  |  |
| Outdoor temperature | °CDB | °CWB | TC                 | IP   | TC   | IP   | TC   | IP   | TC    | IP   | TC   | IP   | TC   | IP   | TC   | IP   |  |  |
|                     |      |      | kW                 |      | kW   |      | kW   |      | kW    |      | kW   |      | kW   |      | kW   |      |  |  |
|                     | -15  | -16  | 6.81               | 2.70 | 6.63 | 2.75 | 6.45 | 2.81 | 6.27  | 2.86 | 6.09 | 2.92 | 5.92 | 2.98 | 5.74 | 3.03 |  |  |
|                     | -10  | -11  | 7.80               | 2.96 | 7.59 | 3.02 | 7.39 | 3.09 | 7.18  | 3.14 | 6.98 | 3.20 | 6.78 | 3.27 | 6.57 | 3.33 |  |  |
|                     | -5   | -7   | 8.71               | 3.19 | 8.48 | 3.25 | 8.25 | 3.32 | 8.02  | 3.38 | 7.79 | 3.45 | 7.57 | 3.52 | 7.34 | 3.58 |  |  |
|                     | 0    | -2   | 9.50               | 3.35 | 9.25 | 3.42 | 9.00 | 3.49 | 8.75  | 3.56 | 8.50 | 3.62 | 8.25 | 3.70 | 8.01 | 3.77 |  |  |
|                     | 5    | 3    | 10.00              | 2.94 | 9.74 | 3.00 | 9.48 | 3.07 | 9.22  | 3.13 | 8.96 | 3.19 | 8.69 | 3.25 | 8.43 | 3.31 |  |  |
|                     | 7    | 6    | 10.13              | 2.63 | 9.87 | 2.68 | 9.60 | 2.74 | 9.33  | 2.79 | 9.07 | 2.84 | 8.80 | 2.90 | 8.54 | 2.96 |  |  |
|                     | 10   | 8    | 9.86               | 2.39 | 9.60 | 2.44 | 9.34 | 2.49 | 9.08  | 2.54 | 8.82 | 2.59 | 8.57 | 2.64 | 8.31 | 2.69 |  |  |
|                     | 15   | 10   | 9.81               | 2.26 | 9.56 | 2.30 | 9.30 | 2.35 | 9.04  | 2.39 | 8.79 | 2.44 | 8.53 | 2.49 | 8.27 | 2.54 |  |  |
| 20                  | 15   | 9.71 | 1.91               | 9.45 | 1.95 | 9.20 | 1.99 | 8.95 | 2.03  | 8.69 | 2.07 | 8.44 | 2.11 | 8.18 | 2.15 |      |  |  |
| 24                  | 18   | 9.60 | 1.73               | 9.35 | 1.76 | 9.10 | 1.80 | 8.85 | 1.83  | 8.60 | 1.87 | 8.35 | 1.91 | 8.09 | 1.94 |      |  |  |

AFR: Airflow Rate (m3/min) / High Fan Speed 389 |/s  
TC: Total Capacity (KW)  
SHC: Sensible Heat Capacity (kW)  
IP: Input Power (kW)

Air Flow Data

■ Model: ASTH24KNTA

● Cooling

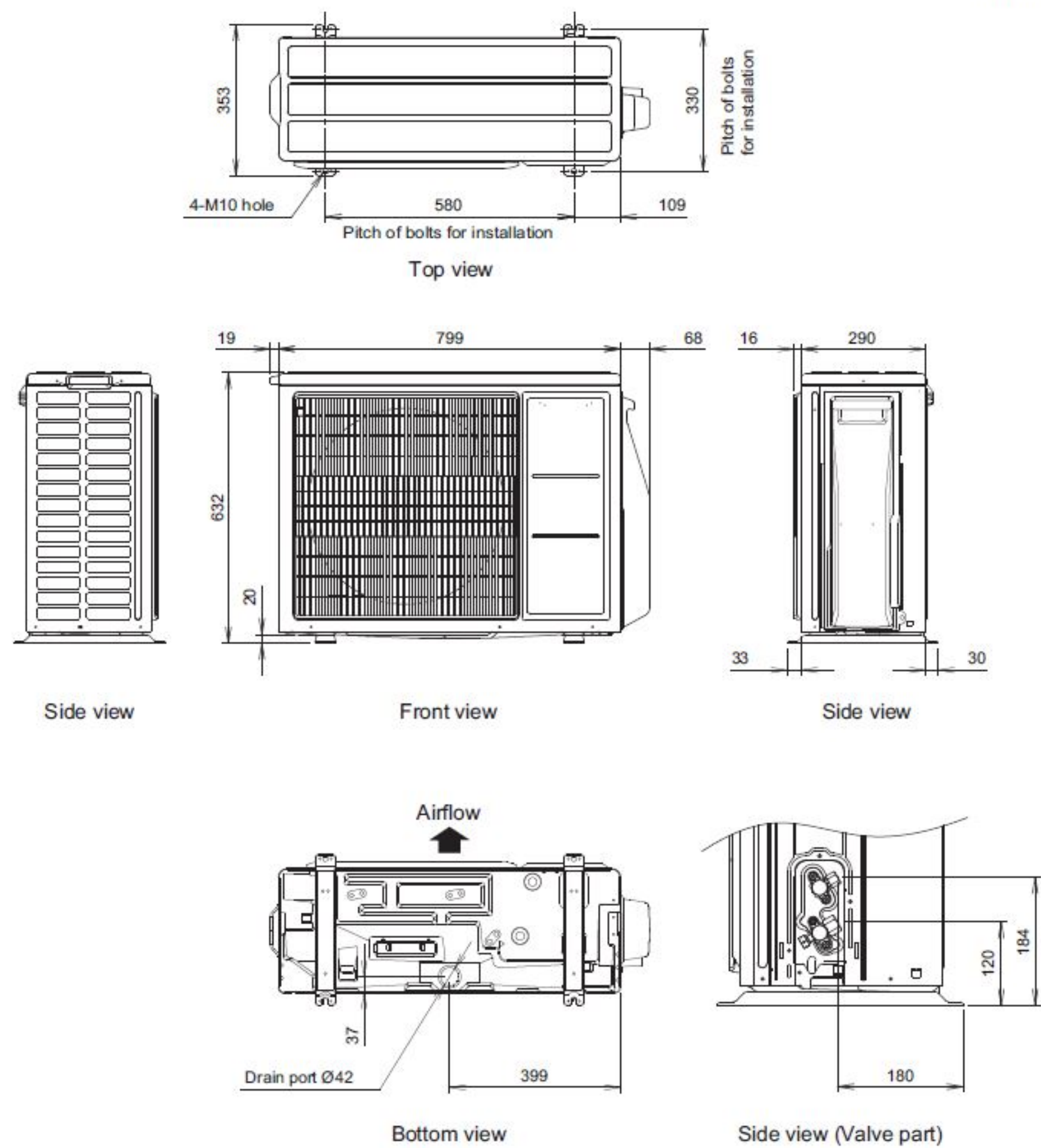
| Fan speed | Airflow           |       |
|-----------|-------------------|-------|
| HIGH      | m <sup>3</sup> /h | 1,210 |
|           | l/s               | 336   |
|           | CFM               | 712   |
| MED       | m <sup>3</sup> /h | 840   |
|           | l/s               | 233   |
|           | CFM               | 494   |
| LOW       | m <sup>3</sup> /h | 660   |
|           | l/s               | 183   |
|           | CFM               | 388   |
| QUIET     | m <sup>3</sup> /h | 530   |
|           | l/s               | 147   |
|           | CFM               | 312   |

● Heating

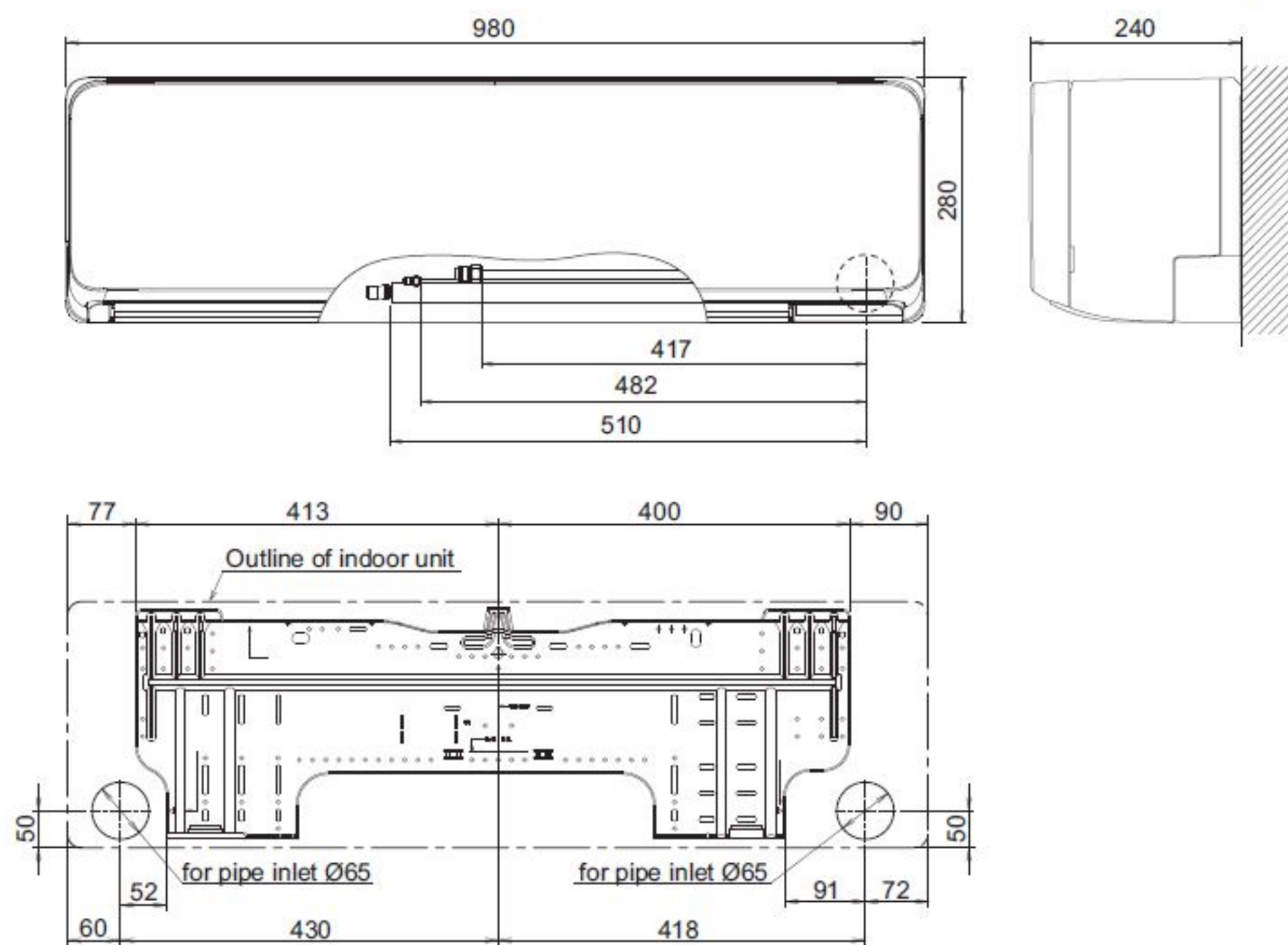
| Fan speed | Airflow           |       |
|-----------|-------------------|-------|
| HIGH      | m <sup>3</sup> /h | 1,120 |
|           | l/s               | 311   |
|           | CFM               | 659   |
| MED       | m <sup>3</sup> /h | 840   |
|           | l/s               | 233   |
|           | CFM               | 494   |
| LOW       | m <sup>3</sup> /h | 660   |
|           | l/s               | 183   |
|           | CFM               | 388   |
| QUIET     | m <sup>3</sup> /h | 530   |
|           | l/s               | 147   |
|           | CFM               | 312   |

Dimensions

Unit mm



Unit: mm



# General Assist

## Technical Support

General Assist (formerly Fujitsu General Assist) deploys GENERAL (formerly Fujitsu General) trained technicians in Sydney, Melbourne, Brisbane, Adelaide and Perth and provides access to dedicated Service Agents in all other parts of Australia. These technicians are well equipped with the necessary tools and spare parts to enable them to resolve issues onsite, promptly, offering customers a high first time fix rate and seamless experience.

## Exceptional After Sales Service

At GENERAL, we pride ourselves on providing exceptional customer service. General Assist is our in-house customer care and technical support department which was implemented to deliver a high level of support and accessibility to our customers.



## Peace of Mind

GENERAL believes in the quality and reliability of every air conditioner we sell, providing a 3 years warranty for commercial applications and 5 years warranty for domestic applications.



## Optional Parts

|                          |                                            |
|--------------------------|--------------------------------------------|
| Wired Remote Controller: | UTY-RHRYT, UTY-RNRYT6, UTY-RSRYT, UTY-RVRY |
| WiFi Control:            | UTY-NXT-BOX, UTY-NXT-CAB                   |

Please refer to specifications before installation and servicing this product. Only persons and/or companies qualified and experienced in the installation, service and repair of refrigerant products should be permitted to do so. The purchaser must ensure that the person and/or company who is to install, service or repair this air conditioner has qualifications and experience in refrigerant products. Suitable access for warranty and service is required. Future improvement, specifications, designs of product and availability are subject to change without notice. All Capacity and Energy Efficiency ratings are based on AS/NZS3823.2. Running current is at rated conditions (AS3823) and does not include compressor start-up or variations in power supply and load conditions.

All wiring specifications are minimum recommendations.  
Please consult AS/NZS 3000 and your local wiring rules for clarification of cable and circuit requirements.  
SOUND POWER LEVELS measured in accordance to AS1217.  
In all conditions, the FAN speed is HIGH.  
Specifications and design are subject to change without notice.  
Please check with the manufacturer.

Note: Specifications are based on the following conditions.  
Cooling: Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.  
Heating: Indoor temperature of 20°CDB / 15°CWB, and outdoor temperature of 7°CDB / 6°CWB.  
Pipe length: 7.5m; Height difference between outdoor unit and indoor unit: 0m. Voltage: 230V.



GENERAL AUSTRALIA

ABN 55 001 229 554  
A SUBSIDIARY OF GENERAL INC.