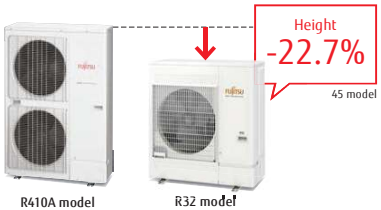
NEW

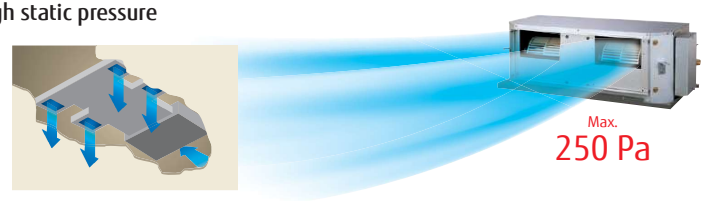
# High Static Pressure Duct

## Easy installation (Compact & Lightweight)

The indoor and outdoor units are designed to be compact and light by reducing the basic chassis size and the overall material weight.

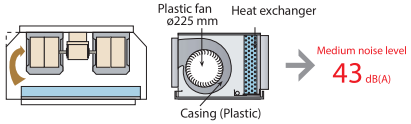



## Design also suits high static pressure




## Low noise

Slanted corners at the top help reduce turbulent airflow.
Low noise is realized by adopting a plastic case and a plastic fan.




## Link up with a variety of Central Control System (Option)

Centralized control including facilities and equipment in addition to air conditioning is possible by linking up with MODBUS, KNX interfaces.

Central Control System





**Model: ARXG45KHTB/ARXG54KHTB**
**ARXG45KHTB [3-phase]/ARXG54KHTB [3-phase]**

## Specifications

| Model name | Indoor unit | | ARXG45KHTB | ARXG54KHTB | ARXG45KHTB | ARXG54KHTB |
|---|---|---|---|---|---|---|
| | Outdoor unit | | AOYG45KBTB | AOYG54KBTB | AOYG45KRTA | AOYG54KRTA |
| Power Source | | | Single phase, ~230 V, 50 Hz | | 3-phase, ~400 V, 50 Hz | |
| Capacity | Cooling | kW | 12.1 (4.0-14.0) | 13.4 (5.0-14.5) | 12.1 (4.0-14.0) | 13.4 (5.0-14.5) |
| | Heating | | 13.5 (5.0-16.2) | 15.5 (5.5-18.0) | 13.5 (5.0-16.2) | 15.5 (5.5-18.0) |
| Input Power | Cooling/Heating | kW | 4.16/3.61 | 4.77/4.18 | 4.16/3.61 | 4.77/4.18 |
| EER | Cooling | W/W | 2.91 | 2.81 | 2.91 | 2.81 |
| COP | Heating | | 3.74 | 3.71 | 3.74 | 3.71 |
| Pdesign | Cooling/Heating (-10°C) | kW | - | - | - | - |
| SEER | Cooling | W/W | - | - | - | - |
| SCOP | Heating | | - | - | - | - |
| Energy Efficiency Class | Cooling | | - | - | - | - |
| | Heating | | - | - | - | - |
| Max. Operating Current | Cooling/Heating | A | 28.5/28.5 | 28.5/28.5 | 14.0/14.0 | 14.0/14.0 |
| Annual Energy Consumption | Cooling | kWh/a | - | - | - | - |
| | Heating | | - | - | - | - |
| Moisture Removal | | l/h | 1.5 | 2.0 | 1.5 | 2.0 |
| Sound Pressure Level | Indoor (Cooling) H/M/L | dB(A) | 47/43/40 | 47/43/40 | 47/43/40 | 47/43/40 |
| | Indoor (Heating) H/M/L | | 47/43/40 | 47/43/40 | 47/43/40 | 47/43/40 |
| | Outdoor (Cooling/Heating) High | | 57/57 | 57/59 | 57/57 | 57/59 |
| Sound Power Level | Indoor (Cooling/Heating) High | | 75/74 | 75/74 | 75/74 | 75/74 |
| | Outdoor (Cooling/Heating) High | | 71/71 | 73/73 | 71/71 | 73/73 |
| Airflow Rate | Indoor/Outdoor (Cooling) High | $m^3/h$ | 3,350/4,450 | 3,350/4,450 | 3,350/4,450 | 3,350/4,450 |
| | Indoor/Outdoor (Heating) High | | 3,350/4,450 | 3,350/4,450 | 3,350/4,450 | 3,350/4,450 |
| Static pressure range (Standard) | | Pa | 100 to 250 (100) | 100 to 250 (100) | 100to250 (100) | 100to250 (100) |
| Net Dimensions H x W x D | Indoor | mm | 400 × 1,050 × 500 | 400 × 1,050 × 500 | 400 × 1,050 × 500 | 400 × 1,050 × 500 |
| | Outdoor | mm | 998 × 940 × 320 | 998 × 940 × 320 | 998 × 940 × 320 | 998 × 940 × 320 |
| Weight | Indoor | kg (lbs) | 46 (101) | 46 (101) | 46 (101) | 46 (101) |
| | Outdoor | kg (lbs) | 67 (148) | 67 (148) | 67 (148) | 67 (148) |
| Connection Pipe Diameter (Liquid/Gas) | | mm | 9.52/15.88 | 9.52/15.88 | 9.52/15.88 | 9.52/15.88 |
| Drain port Diameter (I.D./O.D.) | | | 23.4/25.4 | 23.4/25.4 | 23.4/25.4 | 23.4/25.4 |
| Max. Pipe Length (Pre-Charge) | | m | 50 (30) | 50 (30) | 50 (30) | 50 (30) |
| Max. Height Difference | | | 30 | 30 | 30 | 30 |
| Operating Range | Cooling | °CDB | -15 to 46 | -15 to 46 | -15 to 46 | -15 to 46 |
| | Heating | | -15 to 24 | -15 to 24 | -15 to 24 | -15 to 24 |
| Refrigerant | Type (Global Warming Potential) | | R32 (675) | R32 (675) | R32 (675) | R32 (675) |
| | Charge | kg (CO2eq-T) | 2.70 (1.823) | 2.70 (1.823) | 2.70 (1.823) | 2.70 (1.823) |

## Optional parts

* For optional parts compatibility of Intesis devices, refer to the optional parts compatibility list Page C-046.

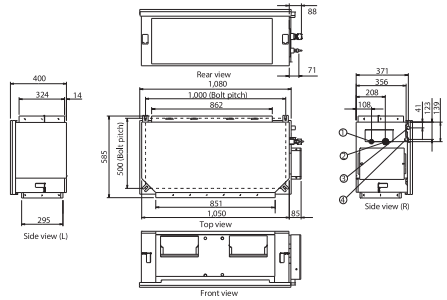
**Compact wired remote controller:** UTY-RCRYZ1
**Wired remote controller** (touch panel): UTY-RNRYZ5
**Wired remote controller:** UTY-RLRY
**Simple remote controller:** UTY-RSRY
UTY-RHRY
**IR Receiver unit:** UTY-LBTYM

**External connect kit:** UTY-XWZXZG
**Remote sensor unit:** UTY-XSZX
**Long-life filter:** UTD-LF60KA
**External switch controller:** UTY-TERX
**WLAN adapter:** UTY-TFSXZ1
**Silver Ion Filter:** UTD-HFKB

**External input and output PCB:** UTY-XCSX+UTZ-GXEA
**(Outdoor unit)**
**External connect kit:** UTY-XWZXZ3

## Dimensions

(Unit: mm)




① Refrigerant pipe flare connection (Liquid)
② Refrigerant pipe flare connection (Gas)
③ Drain pipe connection (Safety drain pan)
④ Drain pipe connection (Main drain pan)