# FUJITSU | AIR CONDITIONING

# AIRSTAGE
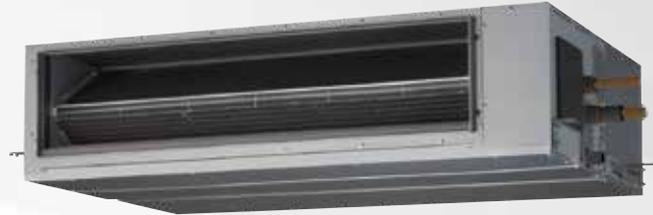
## NEW PRODUCT RELEASE

Split Air Conditioner **Big Duct**

**Model:**
**ARYG72LHTA / AOYG72LRLA**
**ARYG90LHTA / AOYG90LRLA**

ALL DC

Economy | Auto Changeover | Adjust | Restart | +Setback | Filter | Blue Fin

## Splittable, lightweight, and compact design

The indoor unit can be split into a fan unit and a heat exchanger unit to make installation easier.

430 mm
420 mm
360 mm
550 mm
750 mm

Heat exchanger unit      Fan unit
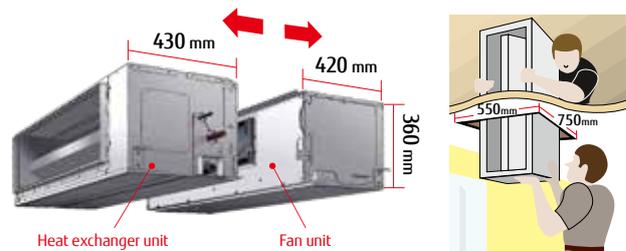
## Quiet operation

The combination of a V-shaped heat exchanger, an air stabilizer, and a high-efficiency DC fan motor enables this compact unit to operate quietly.

Air Stabilizer

V-shaped heat exchanger

Efficient airflow design

High-efficiency DC fan motor
Lower power consumption
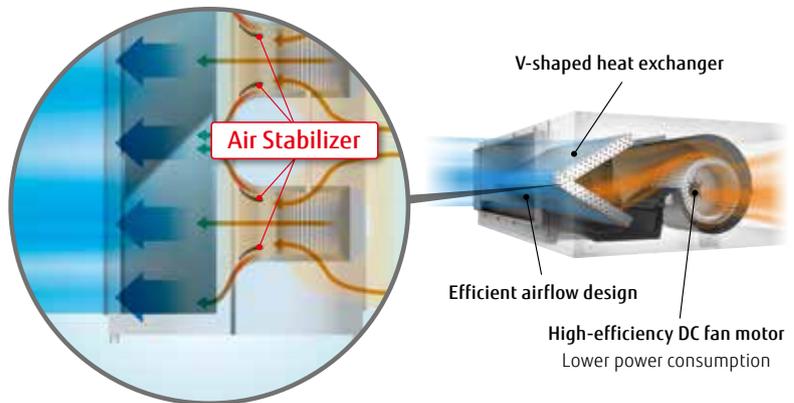
## Automatic airflow adjustment function

The optimum airflow can be set automatically to facilitate faster installation.

Automatically adjust !

Static pressure
## ??? Pa
It was necessary to calculate

## 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.

KNX
Modbus

Central Control System

## Fujitsu General Air Conditioning UK LTD

## Specifications

| Model name | | | ARYG72LHTA | ARYG90LHTA |
|---|---|---|---|---|
| | Indoor unit | | ARYG72LHTA | ARYG90LHTA |
| | Outdoor unit | | AOYG72LRLA | AOYG90LRLA |
| Power Source | Indoor | | Single phase, ~230 V, 50 Hz | |
| | Outdoor | | 3-phase, ~400 V, 50 Hz | |
| Capacity | Cooling | kW | 19.0 | 22.0 |
| | Heating | | 22.4 | 27.0 |
| UK Total Cooling / UK Sensible Cooling | | | 18.96 / 14.65 | 21.95 / 16.62 |
| Input Power | Cooling/Heating | kW | 6.46/6.59 | 7.77/8.18 |
| EER | Cooling | W/W | 2.94 | 2.83 |
| COP | Heating | | 3.40 | 3.30 |
| SEER | Cooling | | 5.22* | 5.14* |
| SCOP | Heating | | 3.94* | 3.92* |
| Moisture Removal | | l/h | 4.5 | 6.0 |
| Sound Pressure | Indoor (Cooling) | H/M/L/Q | 46/43/41/39 | 47/44/42/40 |
| | Indoor (Heating) | H/M/L/Q dB(A) | 46/43/41/39 | 47/44/42/40 |
| | Outdoor (Cooling/Heating) | High | 55/55 | 55/57 |
| Airflow Rate | Indoor/Outdoor (Cooling) | High | 4,300/8,400 | 4,300/8,400 |
| | Indoor/Outdoor (Heating) | High m³/h | 4,300/8,400 | 4,300/9,000 |
| Static pressure range (Standard) | | Pa | 50 to 150 (72) | 50 to 200 (72) |
| Net Dimensions H x W x D | Indoor | mm | 360 × 1,400 × 850 | 360 × 1,400 × 850 |
| | Outdoor | mm | 1,428 × 1,080 × 480 | 1,428 × 1,080 × 480 |
| Weight | Indoor | kg | 69 | 80 |
| | Outdoor | kg | 165 | 174 |
| Remote Controller Type | | | Wired (image above) suppied with indoor unit | |
| Interconnecting Cable (Suggested cable size 2.5mm) | | | 3 Core + Earth | |
| Suggest MCB Size | | A | Outdoor 16 Amp 3ph / Indoor 6 Amp 240 1ph | Outdoor 20 Amp 3ph / Indoor 10 Amp 240 1ph |
| Max. Operating Current | Indoor | A | 4.6 | 6.0 |
| | Outdoor | | 13.3 | 14.6 |
| Power Supply To | | | Outdoor & Indoor | |
| Connection Pipe Diameter (Liquid/Gas) | | Inch | 1/2 & 7/8 | 12.7/25.4 |
| Max. Pipe Length (Pre-Charge) | | m | 100 (30) | 100 (30) |
| Max. Height Difference | | | 30 | 30 |
| Refrigerant | Type (Global Warming Potential) | | R410A (2,088) | R410A (2,088) |
| | Charge (CO2eq-T) | g | 5600 (11.693) | 7100 (14.825) |
| | Additional Charge | g/m | 110 | 110 |
| Operating Range | Cooling | °CDB | -15 to 46 | |
| | Heating | | -20 to 24 | |

*calculated result

## Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page M-102 to M-103.

| | | |
|---|---|---|
| Wired Remote Controller (Design type): UTY-RVRY | WLAN adapter: UTY-TFSXJ3 | Network Convertor for single split (DC power supply type): UTY-VTGX |
| Compact wired remote controller: UTY-RCRYZ1 | FG-AC-WIF1Z1 | Network Convertor for single split (AC power supply type): UTY-VTGXV |
| Wired remote controller (touch panel): UTY-RNRYZ5 | External input and output PCB: UTY-XCSX | IR receiver unit: UTY-LBTYM |
| Wired remote controller: UTY-RVNYM | Remote sensor unit: UTY-XSZXZ1 | Wireless Remote Controller: UTY-LNTY |
| Simple remote controller (without operation mode): UTY-RHRY | Long-life filter: UTD-LFKA | Silver Ion Filter: UTD-HFKA |
| Simple remote controller: UTY-RSRY | External connect kit: UTY-XWZXZG | |
| External switch controller: UTY-TERX | Drain pump unit: UTZ-PX1NAB | **(Outdoor unit)** |
| | | External connect kit: UTY-XWZXZ3 |

## Dimensions

(Unit: mm)

*The design of the service access depends on the installation method. Refer to the installation manual for more information.