



ARY12E

Ⓞ 3.40-3.50kW / 11,600-11,900BTU/h



Universal Type

ARY14E

Ⓞ 4.00-4.10kW / 13,700-14,000BTU/h

ARY18E

Ⓞ 5.25-5.40kW / 17,900-18,400BTU/h



Wired type



Wired-Type
(With Weekly Timer)



For ARY 25E/25T



For ARY30E



For ARY 36E3/36T3/45E3/45T3

ARY25E

Ⓞ 7.00-7.10kW / 23,900-24,200BTU/h

ARY25T

Ⓞ 6.95-7.05kW / 23,700-24,100BTU/h

Ⓜ 7.60-7.85kW / 25,900-26,800BTU/h

ARY30E

Ⓞ 8.40-8.50kW / 28,700-29,000BTU/h

ARY36E3

Ⓞ 10.3-10.5kW / 35,200-35,800BTU/h

ARY36T3

Ⓞ 10.3-10.5kW / 35,200-35,800BTU/h

Ⓜ 10.8-11.0kW / 36,900-37,600BTU/h

ARY45E3

Ⓞ 12.4-12.7kW / 42,300-43,400BTU/h

ARY45T3

Ⓞ 12.4-12.7kW / 42,300-43,400BTU/h

Ⓜ 14.0-14.3kW / 47,800-48,800BTU/h



ARY60E3

Ⓞ 16.4-17.0kW / 56,000-58,000BTU/h



Wired-Type
(With Weekly Timer)



ARY90E3

Ⓞ 25.4-25.4kW / 86,700-86,700BTU/h

ARY90T3

Ⓞ 24.8-25.4kW / 84,700-86,700BTU/h

Ⓜ 28.9-29.5kW / 98,500-100,500BTU/h

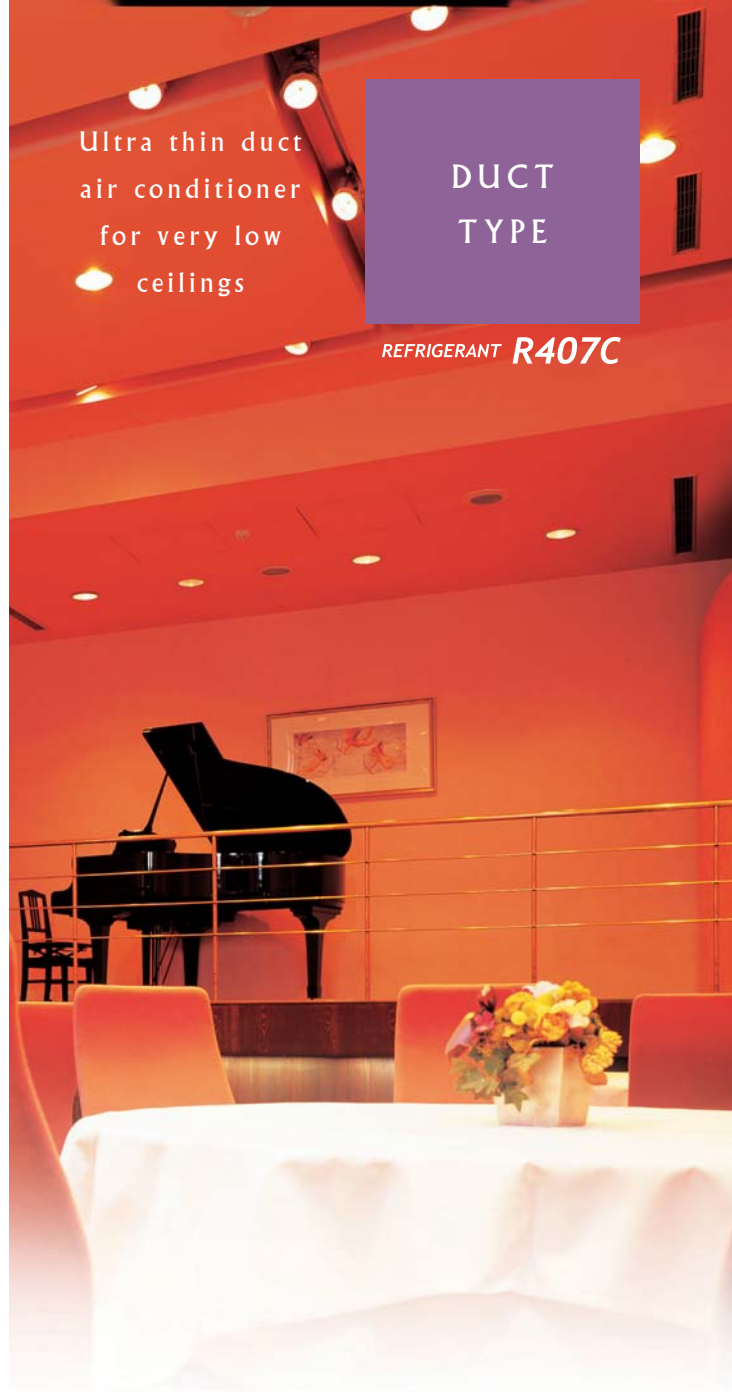


Wired-Type
(With Weekly Timer)

Ultra thin duct
air conditioner
for very low
ceilings

DUCT
TYPE

REFRIGERANT R407C



► FEATURE SUMMARY

| | | Up/Down Swing Flaps | Moisture Removal | Super Power | Super Quiet | Double Swing | Automatic Flaps | Auto Shut Flaps | Automatic Air Flow Adjustment | Auto Restart | Sleep Timer | Program Timer | Auto-Changeover | Weekly Timer | Connectable Distributing Duct | Connectable Fresh Air Duct |
|-----------|-----------------------|---------------------|------------------|-------------|-------------|--------------|-----------------|-----------------|-------------------------------|--------------|-------------|---------------|-----------------|--------------|-------------------------------|----------------------------|
| DUCT TYPE | ARY 12E/14E/18E | • | • | | | | | | • | • | | • | | | • | |
| | ARY 25E/30E/36E3/45E3 | • | • | | | | | | • | • | | • | | | • | • |
| | ARY 25T/36T3/45T3 | • | • | | | | | | • | • | | • | | | • | • |
| | ARY 60E3 | • | • | | | | | | • | • | | • | | | • | |
| | ARY 90E3 | • | • | | | | | | • | • | | • | | | • | • |
| | ARY 90T3 | • | • | | | | | | • | • | | • | | | • | • |

► EXPLANATION OF FEATURES

Super Quiet

Quiet operation is assured even while the fan is working on high mode.

Super Power

The efficiency-improved compressor and heat exchanger quickly changes your room into a comfortable environment.

Moisture Removal

The computer effectively dehumidifies the air.

Up/Down Swing Flaps

The up/down flaps automatically swing to up and down.

Double Swing

Complex swing action of flaps enables automatically to swing both horizontal and vertical directions.

Automatic Flaps

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

Auto Shut Flaps

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

Automatic Air Flow Adjustment

The micro-computer automatically adjusts the air flow effectively to follow the changes of room temperature.

Auto Restart

In the event of a temporary power failure, the air conditioner will automatically restart in the same operating mode as before, once the power supply is restored.

Sleep Timer

The micro-computer gradually changes the room temperature automatically to afford a comfortable night's sleep.

Program Timer

This digital timer allows selection of one of four options: ON, OFF, ON→OFF or OFF→ON.

Auto-Changeover

The unit automatically switches between heating and cooling modes based on your temperature setting and the room temperature.

Weekly Timer

Different on-off times can be set for each day.

► SPECIFICATIONS

| | | DUCT TYPE | | | | | | | | |
|---|---------|-----------------|-----------------|--------------------|-----------------|-------------------|--------------------|-----------------|--------------------|--|
| Model No. | I.U. | ARY12E | ARY14E | ARY18E | ARY25E | ARY25T | ARY30E | ARY36E3 | ARY36T3 | |
| Item | O.U. | AOY12E | AOY14E | AOY18E | AOY25E | AOY25T | AOY30E | AOY36E | AOY36T3 | |
| Capacity | Cooling | 3.40 - 3.50 | 4.00 - 4.10 | 5.25 - 5.40 | 7.00 - 7.10 | 6.95 - 7.05 | 8.40 - 8.50 | 10.3 - 10.5 | 10.3 - 10.5 | |
| | Heating | — | — | — | — | 7.60 - 7.85 | — | — | 10.8 - 11.0 | |
| | Cooling | 11,600 - 11,900 | 13,700 - 14,000 | 17,900 - 18,400 | 23,900 - 24,200 | 23,700 - 24,100 | 28,700 - 29,000 | 35,200 - 35,800 | 35,200 - 35,800 | |
| | Heating | — | — | — | — | 25,900 - 26,800 | — | — | 36,900 - 37,600 | |
| Moisture Removal | l/h | 1.3 | — | 1.6 | — | 2.5 | — | 4.0 | — | |
| Room Air Circulation(High) | Inner | 460 | 640 | 750 | — | 1,100 | 1,300 | 2,000 | 2,000 | |
| | Outer | 2,700 | 2,700 | 3,000 | — | 3,000 | 3,450 | 5,900 | 6,000 | |
| Input Power | V/Hz | 220-240/1/50 | | 220 - 240 / 1 / 50 | | | 220 - 240 / 1 / 50 | | 380 - 415 / 3 / 50 | |
| Running Current | Cooling | 6.10 - 6.20 | 7.40 - 7.40 | 9.40 - 9.20 | 12.8 - 13.2 | 13.0 - 12.3 | 16.9 - 17.0 | 7.00 - 6.90 | 7.10 - 6.90 | |
| | Heating | — | — | — | — | 12.2 - 11.7 | — | — | 5.90 - 5.90 | |
| Power Consumption | Cooling | 1.33 - 1.40 | 1.55 - 1.65 | 2.05 - 2.15 | 2.80 - 2.85 | 2.80 - 2.85 | 3.53 - 3.58 | 4.05 - 4.05 | 4.15 - 4.17 | |
| | Heating | — | — | — | — | 2.60 - 2.65 | — | — | 3.34 - 3.37 | |
| EER | Cooling | 2.56 - 2.50 | 2.58 - 2.48 | 2.56 - 2.51 | 2.50 - 2.49 | 2.48 - 2.47 | 2.38 - 2.37 | 2.54 - 2.59 | 2.48 - 2.52 | |
| | Heating | — | — | — | — | 2.92 - 2.96 | — | — | 3.23 - 3.26 | |
| Dimensions HxWxD Net Weight | Inner | mm | 217 x 953 x 595 | | | 270 x 1,210 x 700 | | | 45(99) | |
| | | kg(lbs) | 25(55) | | | 43(95) | | | 45(99) | |
| | Outer | mm | 700 x 900 x 350 | | | 900 x 900 x 350 | | | 1,152 x 940 x 370 | |
| | | kg(lbs) | 49(108) | | | 59(131) | | | 70(154) | |
| Connection Method | | Flare | | | Flare | | | Flare | | |
| Connection Pipe Size (Small/Large) | mm | 6.35/12.70 | | 9.53/15.88 | | | 9.53/15.88 | | 9.53/19.05 | |
| Max Pipe Length Height Difference | m | 20 | | 25 | | | 30 | | 50 | |
| | | 8 | | 15 | | | 15 | | 30 | |
| Permissible Range of Outdoor Temperature | Cooling | 10 ~ 43 | | | 0 ~ 43 | 0 ~ 43 | 0 ~ 43 | | 0 ~ 43 | |
| | Heating | — | | | — | -5 ~ 24 | — | | -8 ~ 24 | |
| Grille | | — | | | | | | | | |
| Refrigerant | | R407C | | | | | | | | |

I.U.=Indoor Unit O.U.=Outdoor Unit

● Specifications and design subject to change without notice for further improvement. Please check with your dealer.

● Cooling/Heating capacities are based on the following conditions.

Cooling
Indoor temp. : 27°C DB/19°C WB
Outdoor temp. : 35°C DB/24°C WB

Heating
Indoor temp. : 20°C DB
Outdoor temp. : 7°C DB/6°C WB

| DUCT TYPE | | | | |
|--------------------|-----------------|-------------------|--------------------------------|---------------------|
| ARY45E3 | ARY45T3 | ARY60E3 | ARY90E3 | ARY90T3 |
| AOY45E3 | AOY45T3 | AOY60E3 | AOY90E3 | AOY90T3 |
| 12.40 - 12.70 | 12.4 - 12.7 | 16.4 - 17.0 | 25.4 - 25.4 | 24.8 - 25.4 |
| — | 14.0 - 14.3 | — | — | 28.9 - 29.5 |
| 42,300 - 43,400 | 42,300 - 43,400 | 56,000 - 58,000 | 86,700 - 86,700 | 84,700 - 86,700 |
| — | 47,800 - 48,800 | — | — | 98,500 - 100,500 |
| 5.5 | — | 6.5 | — | 7.5 |
| 2,200 | — | 3,000 | — | 4,300 |
| 5,500 | 5,600 | 5,800 | — | 9,800 |
| 380 - 415 / 3 / 50 | | | | |
| 8.60 - 8.80 | 8.30 - 8.50 | 10.3 - 10.1 | 17.5 - 17.0 | 19.5 - 19.5 |
| — | 8.40 - 8.50 | — | — | 19.5 - 19.5 |
| 4.76 - 4.80 | 4.73 - 4.79 | 6.10 - 6.20 | 10.5 - 10.5 | 12.2 - 12.5 |
| — | 4.73 - 4.80 | — | — | 12.2 - 12.5 |
| 2.61 - 2.65 | 2.62 - 2.65 | 2.69 - 2.74 | 2.42 - 2.42 | 2.03 - 2.03 |
| — | 2.96 - 2.98 | — | — | 2.37 - 2.36 |
| 270 x 1,210 x 700 | | 400 x 1,250 x 800 | | 450 x 1,550 x 700 |
| 45(99) | | 75(165) | | 85(187) |
| 1,152 x 940 x 370 | | 1,355 x 940 x 370 | | 1,380 x 1,300 x 650 |
| 102(225) | 110(243) | 116(256) | 243(535) | 245(539) |
| Flare | | | Flare (Small) / Flange (Large) | |
| 9.53 / 19.05 | | | 12.70 / 28.58 | |
| 50 | | | | |
| 30 | | | | |
| 0 ~ 46 | 0 ~ 43 | 0 ~ 46 | 0 ~ 52 | 0 ~ 46 |
| — | -8 ~ 24 | — | — | -10 ~ 24 |
| R407C | | | | |