



**SLIM, QUIET AND BUILT TO LAST**

## LIGHT COMMERCIAL A7 DUCT SERIES



### FLEXIBLE AIR INTAKE POSITION

Air inlet direction is from rear as standard or can be changed to bottom.

### BUILT IN DRAIN PUMP

The built in drain pump can lift the condensate water up to 1000mm.

### MULTI CHANNEL AIR FLOW DISTRIBUTION

The units are suitable for different room types, its multi channel air distribution gives you comfort in every corner.

### VERTICAL MOUNTING

Option for vertical mounting of units is available upon request.

### FRESH AIR INLET

Built in fresh air inlet to create a more comfortable environment.

### FLEXIBLE CONTROL AND EASY MAINTENANCE

The electrical control box can be removed away from the unit for easy maintenance access. Standard functional ports are included such as remote On/Off, dry contact switch and alarm signal output.

### TWIN COMBINATIONS

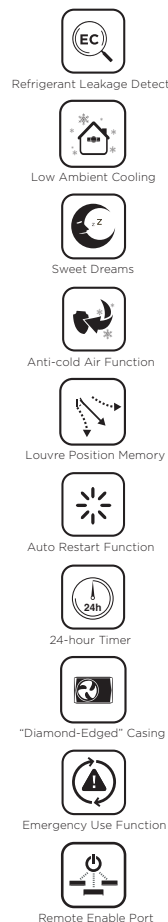
Outdoor unit sizes 24, 36, 42, 48 & 55 can be installed with two indoor units for increased flexibility. Should be same Indoor Capacity as the total Outdoor capacity.

### GROUP CONTROL FUNCTION

Built-in ports for on/off control and fault indication.

### SMARTHOME APP

New Wired Controller has built in WiFi, allowing you to operate your system from almost anywhere, at any time.



### Eco-Friendly:

Significantly reduces global warming potential by up to 75%.

### Efficient:

Offers up to 12% higher efficiency and uses 40% less refrigerant.

### Cost-Effective:

Lowers energy consumption and operational costs.

### Safe:

Mildly flammable but non-explosive.

### Recyclable:

Easier to reuse and recycle due to its single-component nature.



## A7 DUCT SERIES

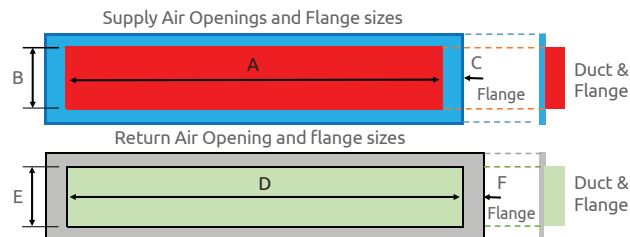
The Midea A7 ducted system features a slimmer body, reduced noise, and UV curing technology on the PCB circuit board for enhanced durability in extreme conditions. Upgraded constant air flow technology and new design make it for easier installation and maintenance.



## SPECIFICATIONS

| Indoor unit model                                 |                 |          | R32-MIDCT-24        | R32-MIDCT-36        | R32-MIDCT-36 (380VOLT ODU) | R32-MIDCT-48        | R32-MIDCT-48 (380VOLT ODU) | R32-MIDCT-60        |
|---------------------------------------------------|-----------------|----------|---------------------|---------------------|----------------------------|---------------------|----------------------------|---------------------|
| Indoor Code                                       |                 |          | 22023011005454      | 22023011005518      | 22023011005518             | 22023011005455      | 22023011005455             | 22023011005494      |
| Power supply                                      |                 |          | 220-240V,1Ph,50Hz   | 220-240V,1Ph,50Hz   | 220-240V,1Ph,50Hz          | 220-240V,1Ph,50Hz   | 220-240V,1Ph,50Hz          | 220-240V,1Ph,50Hz   |
| Cooling                                           | Capacity        | Btu/h    | 24200 (11000~27000) | 36000 (9400~40000)  | 36000 (9400~40000)         | 48000 (12000~51000) | 48000 (12000~51000)        | 52000 (14000~59000) |
|                                                   |                 | kW       | 7.09(3.23~7.92)     | 10.55(2.75~11.73)   | 10.55(2.75~11.73)          | 14.07(3.52~14.95)   | 14.07(3.52~14.95)          | 15.24(4.10~17.29)   |
|                                                   | Input           | W        | 2280 (750~2860)     | 3950 (900~4300)     | 3950 (900~4300)            | 4700 (810~6150)     | 4700 (810~6150)            | 5250 (1030~6650)    |
|                                                   | Current         | A        | 10 (4.2~12.6)       | 17.5 (4.2~19)       | 6(1.4~6.7)                 | 20.8 (4~26.7)       | 7(1.8~10.5)                | 8.1 (3.1~11.5)      |
|                                                   |                 | EER      | 3.2                 | 2.67                | 2.67                       | 2.99                | 2.99                       | 2.90                |
| Heating                                           | Capacity        | Btu/h    | 27200 (9500~29200)  | 40000 (9500~43000)  | 40000 (9500~43000)         | 55000 (14000~59000) | 55000 (14000~59000)        | 62000 (15000~70000) |
|                                                   |                 | kW       | 8.0(2.79~8.56)      | 11.72(2.78~12.61)   | 11.72(2.78~12.61)          | 16.12(4.10~17.59)   | 16.12(4.10~17.59)          | 18.18(4.40~20.52)   |
|                                                   | Input           | W        | 2000(640~2500)      | 3250(800~3950)      | 3250(800~3950)             | 4600(950~5700)      | 4600(950~5700)             | 5150(950~6600)      |
|                                                   | Current         | A        | 9 (3.8~11)          | 14.5 (3.5~17.5)     | 5.3(1.3~6.4)               | 20 (4.5~25)         | 20 (4.5~25)                | 8.0(2~11.5)         |
|                                                   |                 | COP      | 3.72                | 3.61                | 3.61                       | 3.50                | 3.50                       | 3.53                |
| Air Flow (H, M, L)                                |                 | m³/h     | 1200/1000/700       | 1700/1400/1100      | 1700/1400/1100             | 2000/1700/1300      | 2000/1700/1300             | 2200/1900/1500      |
| Standard external pressure                        |                 | Pa       | 25                  | 37                  | 37                         | 50                  | 50                         | 50                  |
| Range                                             |                 | Pa       | 0-160               | 0-160               | 0-160                      | 0-160               | 0-160                      | 0-160               |
| Noise Levels (H)                                  |                 | dB (A)   | 33.5                | 38                  | 38                         | 46                  | 46                         | 44.5                |
| Fan type                                          |                 |          | DC                  | DC                  | DC                         | DC                  | DC                         | DC                  |
| Coil                                              |                 |          |                     |                     |                            |                     |                            |                     |
| Controller                                        | Standard        |          |                     |                     |                            |                     |                            |                     |
| Refrigerant pipe (liquid/gas)                     |                 | mm(inch) | 9.52(3/8)/15.9(5/8) | 9.52(3/8)/15.9(5/8) | 9.52(3/8)/15.9(5/8)        | 9.52(3/8)/15.9(5/8) | 9.52(3/8)/15.9(5/8)        | 9.52(3/8)/15.9(5/8) |
| Dimensions                                        | Net (WxHxD)     | mm       | 1000x750x245        | 1200x750x245        | 1200x750x245               | 1200x750x245        | 1200x750x245               | 1200x750x300        |
|                                                   | Packing (WxHxD) | mm       | 1225x860x304        | 1425x860x304        | 1425x860x304               | 1425x860x304        | 1425x860x304               | 1425x860x354        |
| Return Air Opening Sizes W x H (See diagram)      |                 | mm       | 895 x 212           | 1265 x 230          | 1265 x 230                 | 1104 x 284          | 1104 x 284                 | 1104 x 284          |
| Supply Air Opening Sizes W x H (See diagram)      |                 | mm       | 828 x 180           | 1186 x 176          | 1186 x 176                 | 1044 x 226          | 1044 x 226                 | 1044 x 226          |
| Drain pipe size                                   |                 | mm       | ODΦ25mm             | ODΦ25mm             | ODΦ25mm                    | ODΦ25mm             | ODΦ25mm                    | ODΦ25mm             |
| Net/Gross Weight                                  |                 | kg       | 31.8/37.2           | 38.4/44.4           | 38.4/44.4                  | 40.4/46.8           | 40.4/46.8                  | 42.9/49.1           |
| Outdoor Model                                     |                 |          | R32-MICOND-24-Q     | R32-MICOND-36-Q     | R32-MICOND-36-RRD          | R32-MICOND-48-Q     | R32-MICOND-48-RRD          | R32-MICOND-60-RRD   |
| Outdoor Code                                      |                 |          | 22023016003552      | 22022516001728      | 22022516001727             | 22022716001996      | 22022716001856             | 22022516002302      |
| Power supply                                      |                 |          | 220-240V,1Ph,50Hz   | 220-240V,1Ph,50Hz   | 380-415V,3Ph,50Hz          | 220-240V,1Ph,50Hz   | 380-415V,3Ph,50Hz          | 380-415V,3Ph,50Hz   |
| Max power input                                   |                 | kW       | 3.7                 | 5.0                 | 5.0                        | 7.3                 | 7.3                        | 7.5                 |
| Max current (combined indoor/outdoor)             |                 | A        | 19                  | 22.5                | 10                         | 32                  | 14                         | 14                  |
| Fan type                                          |                 |          | DC                  | DC                  | DC                         | DC                  | DC                         | DC                  |
| Air Flow                                          |                 | m³/h     | 3500                | 4000                | 4000                       | 5600                | 5600                       | 5600                |
| Static pressure                                   |                 | Pa       | /                   | /                   | /                          | /                   | /                          | /                   |
| Compressor Type                                   |                 |          | Twin Rotary         | Rotary              | Rotary                     | Rotary              | Rotary                     | Rotary              |
| Coil Type                                         |                 |          |                     |                     |                            |                     |                            |                     |
| Expansion device                                  |                 |          | EXV+Throttle valve  | EXV                 | EXV                        | EXV+Throttle valve  | EXV+Throttle valve         | EXV+Throttle valve  |
| Refrigerant (type/charge)                         |                 | kg       | R32/1.4kg           | R32/2.4kg           | R32/2.4kg                  | R32/2.9kg           | R32/2.9kg                  | R32/3.2kg           |
| Refrigerant pipe (liquid/gas)                     |                 | mm(inch) | 9.52(3/8)/15.9(5/8) | 9.52(3/8)/15.9(5/8) | 9.52(3/8)/15.9(5/8)        | 9.52(3/8)/15.9(5/8) | 9.52(3/8)/15.9(5/8)        | 9.52(3/8)/15.9(5/8) |
| Refrigerant pipe max total length                 |                 | m        | 50                  | 75                  | 75                         | 75                  | 75                         | 75                  |
| Max. height difference between indoor and outdoor |                 | m        | 25                  | 30                  | 30                         | 30                  | 30                         | 30                  |
| Additional refrigeration > 5m                     |                 | grams    | 24                  | 24                  | 24                         | 24                  | 24                         | 24                  |
| Temperature                                       | Cooling         | °C       | -15~50              | -15~50              | -15~50                     | -15~50              | -15~50                     | -15~50              |
|                                                   | Heating         | °C       | -20~24              | -20~24              | -20~24                     | -20~24              | -20~24                     | -20~24              |
| Dimensions                                        | Net (WxHxD)     | mm       | 890x342x673         | 946x410x810         | 946x410x810                | 980x375x975         | 980x375x975                | 980x375x975         |
|                                                   | Packing (WxHxD) | mm       | 995x398x740         | 1090x500x885        | 1090x500x885               | 1145x500x1080       | 1145x500x1080              | 1145x500x1080       |
| Net/Gross Weight                                  |                 | kg       | 41.9/45.2           | 66.9/71.5           | 80.5/85                    | 82.5/97             | 90/105                     | 92/107              |

## R32 A7 DUCTED RA-SA DIMENSIONS



| MODELS |              |              |              |              |
|--------|--------------|--------------|--------------|--------------|
|        | R32-MIDCT-24 | R32-MIDCT-36 | R32-MIDCT-48 | R32-MIDCT-60 |
|        |              | 1ph and 3ph  | 1ph and 3ph  | 3ph          |
| A      | 828          | 1186         | 1044         | 1044         |
| B      | 180          | 176          | 226          | 226          |
| C      | N/A          | N/A          | N/A          | N/A          |
| D      | 895          | 1265         | 1104         | 1104         |
| E      | 212          | 230          | 284          | 284          |
| F      | N/A          | N/A          | N/A          | N/A          |

Dimensions: mm



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