

# MULTISPLIT AIR Conditioner OMEGA

## Features:

- Refrigerant R32
- High efficiency DC Inverter multi-split
- Remote control
- WIFI module
- Healthy filters
- 4D airflow
- Auto mode
- 5-fan speed
- Children lock
- Eco mode



## Mobile App (TUYA standard):



## Specification:

| OUTDOOR UNITS                         |       | OMEGA ODU 18K2 G3       | OMEGA ODU 27K3 G3                                         | OMEGA ODU 32K4                                                         |
|---------------------------------------|-------|-------------------------|-----------------------------------------------------------|------------------------------------------------------------------------|
|                                       |       | 1 to 2                  | 1 to 3                                                    | 1 to 4                                                                 |
| Standard indoor combination under Erp |       | 09+09                   | 09+09+09                                                  | 09+09+09+09                                                            |
| One unit                              |       | 09,12,18                | /                                                         | /                                                                      |
| Two units                             |       | 09+09,09+12,09+18,12+12 | 09+09,09+12,12+12,<br>09+18,12+18,18+18                   | 09+09,09+12,12+12,<br>09+18,12+18,18+18                                |
| Three units                           |       | None                    | 09+09+09,09+09+12,09+09+18,<br>09+12+12,09+12+18,12+12+12 | 09+09+09,09+09+12,09+12+12,<br>09+09+18,09+12+18,12+12+12,<br>12+12+18 |
| Four units                            |       | None                    | None                                                      | 9+9+9+9,9+9+9+12,<br>9+9+9+18,9+9+12+12,<br>9+12+12+12                 |
| Five units                            |       | None                    | None                                                      | None                                                                   |
| Control type                          |       | Remote Controller       | Remote Controller                                         | Remote Controller                                                      |
| Cooling capacity                      | Btu/h | 17400(4200~19100)       | 27000(9500~30000)                                         | 32000(10600~35000)                                                     |
|                                       | W     | 5100(1230~5600)         | 7900(2800~8800)                                           | 9400(3100~10200)                                                       |
| Heating capacity                      | Btu/h | 18000(4400~19600)       | 27000(8350~30000)                                         | 32000(8700~35000)                                                      |
|                                       | W     | 5200(1290~5750)         | 7960(2450~8800)                                           | 9450(2550~10200)                                                       |
| Phdesignnc                            | Btu/h | 18000                   | 27000                                                     | 32000                                                                  |
|                                       | W     | 5100                    | 7900                                                      | 9300                                                                   |
| Phdesignnh                            | Btu/h | 13650                   | 19100                                                     | 25000                                                                  |
|                                       | W     | 4000                    | 5600                                                      | 7300                                                                   |
| SEER (Class)                          | W/W   | 6.1(A++)                | 6.1 (A++)                                                 | 6.1 (A++)                                                              |
| SCOP (Class)                          | W/W   | 4.0(A+)                 | 4.0 (A+)                                                  | 4.0 (A+)                                                               |
| EER                                   | W/W   | 3,30                    | 3,23                                                      | 3,40                                                                   |
| COP                                   | W/W   | 3,90                    | 3,71                                                      | 3,71                                                                   |
| Declare capacity(-10°C)               | W     | 3800                    | 5200                                                      | 6800                                                                   |
| Elbu (Backup electrical capacity)     | W     | 200                     | 400                                                       | 500                                                                    |
| Outdoor sound power level             | dB(A) | 65                      | 67                                                        | 70                                                                     |
| Phdesignnh warmer                     | W     | 4000                    | 5700                                                      | 7500                                                                   |
| SCOP warmer (Class)                   | W/W   | 4.6(A++)                | 4.6(A++)                                                  | 4.6(A++)                                                               |
| Declare capacity(2°C)                 | W     | 4000                    | 5700                                                      | 7500                                                                   |
| Elbu (Backup electrical capacity)     | W     | 0                       | 0                                                         | 0                                                                      |
| Phdesignnh Colder                     | W     | 4500                    | 6000                                                      | 5400                                                                   |
| SCOP Colder (Class)                   | W/W   | 3.4(A)                  | 3.4(A)                                                    | 3.6(A)                                                                 |
| Declare capacity(-22°C)               | W     | 4000                    | 5100                                                      | 4600                                                                   |
| Elbu (Backup electrical capacity)     | W     | 500                     | 900                                                       | 800                                                                    |



| Electrical Data               |         |        |                                           |                                           |                                           |
|-------------------------------|---------|--------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Power supply                  |         |        | 220-240V~/50HZ                            | 220-240V~/50HZ                            | 220-240V~/50HZ                            |
| Voltage Range                 |         | V      | 165~265                                   | 165~265                                   | 165~265                                   |
| Power input                   | Cooling | W      | 1545(280~2050)                            | 2445(350~2850)                            | 2765(410~3500)                            |
|                               | Heating | W      | 1333(280~2050)                            | 2145(420~2850)                            | 2547(510~3500)                            |
| Operating Current             | Cooling | A      | 7.5(1.3~10.5)                             | 11.7(1.6~14.0)                            | 14.1(1.8~17.0)                            |
|                               | Heating | A      | 6.2(1.3~10.5)                             | 10.1(1.9-14.0)                            | 13.0(2.3~17.0)                            |
| Annual eletricity consumption | Cooling | KWh    | 293                                       | 453                                       | 534                                       |
|                               | Average | KWh    | 1400                                      | 1960                                      | 2555                                      |
|                               | Warmer  | KWh    | -                                         | -                                         | -                                         |
|                               | Colder  | KWh    | -                                         | -                                         | -                                         |
| Refrigerating System          |         |        |                                           |                                           |                                           |
| Refrigerant/Charge            |         | Gram   | R32/1100g                                 | R32/1500g                                 | R32/2200g                                 |
| CO2 equivalent                |         | Tonnes | 0,743                                     | 1,013                                     | 1,485                                     |
| Compressor type               |         |        | Rotary                                    | Twin Rotary                               | Twin Rotary                               |
| Fan System                    |         |        |                                           |                                           |                                           |
| Outdoor fan type              |         |        | axial-flow                                | axial-flow                                | axial-flow                                |
| Outdoor fan speed             |         | rpm    | 1000                                      | 850                                       | 850                                       |
| Outdoor coil                  |         |        |                                           |                                           |                                           |
| Number of rows                |         | /      | 2                                         | 2                                         | 2                                         |
| Number of U tube              |         | /      | 26                                        | 30                                        | 42                                        |
| Tube outside dia              |         | mm     | 7                                         | 7                                         | 7                                         |
| Tube type                     |         | /      | Rifled tube                               | Rifled tube                               | Rifled tube                               |
| Fin spacing                   |         | mm     | 1,4                                       | 1,4                                       | 1,6                                       |
| Fin type                      |         |        | Corrugated sheet                          | Corrugated sheet                          | Corrugated sheet                          |
| Tube pitch(a)x row pitch(b)   |         | mm     | 18.2x21                                   | 18.2x21                                   | 18.2x21                                   |
| Connections                   |         |        |                                           |                                           |                                           |
| Refrigerant coupling          |         |        | Flare                                     | Flare                                     | Flare                                     |
| High & low pressure valve     | Liquid  | Inches | 1/4"                                      | 1/4"                                      | 1/4"                                      |
|                               | Gas     | Inches | 3/8"<br>should use 1/2" pipe for 18K duct | 3/8"<br>should use 1/2" pipe for 18K duct | 3/8"<br>should use 1/2" pipe for 18K duct |
| Others                        |         |        |                                           |                                           |                                           |
| Net dimensions (W x H x D)    |         | mm     | 853×602×349                               | 920×699×380                               | 990×910×340                               |
| Net weight                    |         | kg     | 31                                        | 42                                        | 68                                        |

## Dimmensions:

|                   | D   | E   | F   |
|-------------------|-----|-----|-----|
| OMEGA ODU 18K2 G3 | 853 | 602 | 349 |
| OMEGA ODU 27K3 G3 | 920 | 699 | 380 |
| OMEGA ODU 32K4    | 990 | 910 | 340 |



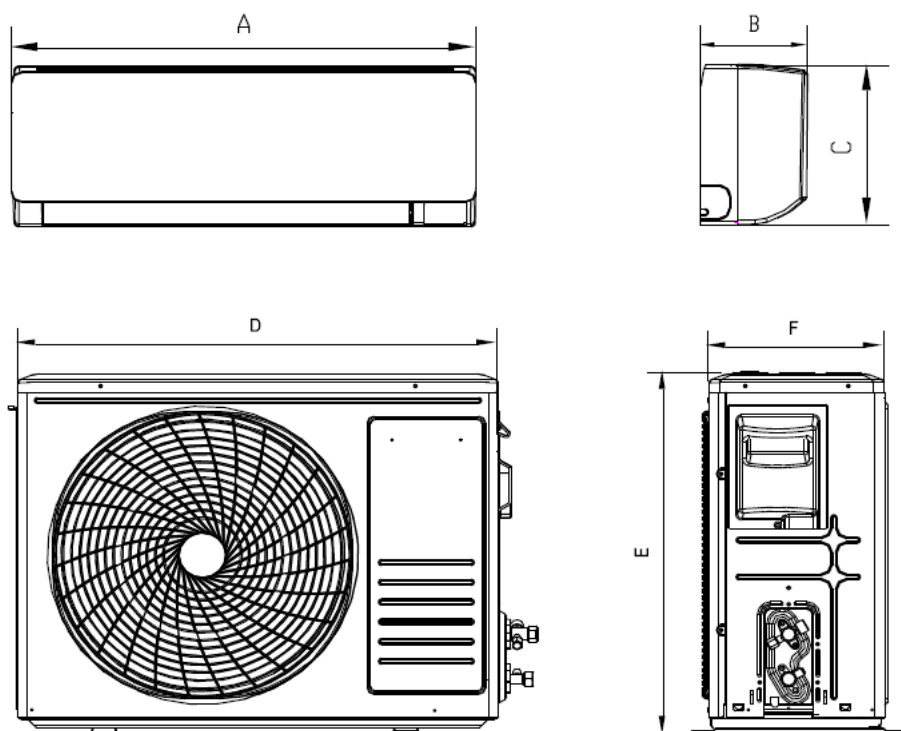
| INDOOR UNITS                        |                                    |        | OMEGA WM 09K/I    | OMEGA WM 12K      | OMEGA WM 18K      |
|-------------------------------------|------------------------------------|--------|-------------------|-------------------|-------------------|
| Type                                |                                    |        | HEAT PUMP         | HEAT PUMP         | HEAT PUMP         |
| Control type                        |                                    |        | Remote Controller | Remote Controller | Remote Controller |
| Cooling capacity                    |                                    | Btu/h  | 9000              | 12000             | 17500             |
| Heating capacity                    |                                    | Btu/h  | 9000              | 12000             | 17800             |
| Pressure                            | High(DP)                           | MPa    | 3,7               | 3,7               | 3,7               |
|                                     | Low(SP)                            | MPa    | 1,2               | 1,2               | 1,2               |
| Indoor sound power(S/H/M/L/Mute)    |                                    | dB(A)  | 50/47/43/35/32    | 50/47/43/35/32    | 53/50/47/43/36    |
| Indoor sound pressure(S/H/M/L/Mute) |                                    | dB(A)  | 40/37/33/25/22    | 40/37/33/25/22    | 43/41/38//35/27   |
| Electrical Data                     |                                    |        |                   |                   |                   |
| Power supply                        |                                    |        | 220-240V~/50HZ    | 220-240V~/50HZ    | 220-240V~/50HZ    |
| Voltage Range                       |                                    | V      | 165~265           | 165~265           | 198~264           |
| Current                             | Cooling                            | A      | 0,2               | 0,2               | 0,34              |
|                                     | Heating                            | A      | 0,2               | 0,2               | 0,34              |
| Power input                         | Cooling                            | W      | 35                | 35                | 52                |
|                                     | Heating                            | W      | 35                | 35                | 52                |
| Fan System                          |                                    |        |                   |                   |                   |
| Indoor air circulation              |                                    | m3/h   | 550               | 550               | 800               |
| Indoor fan type                     |                                    |        | CROSS FLOW FAN    | CROSS FLOW FAN    | CROSS FAN         |
| Indoor coil                         |                                    |        |                   |                   |                   |
| Number of rows                      |                                    | /      | 2                 | 2                 | 2                 |
| Tube outside dia                    |                                    | mm     | 7                 | 7                 | 7                 |
| Tube type                           |                                    | /      | Rifled tube       | Rifled tube       | Rifled tube       |
| Fin spacing                         |                                    | mm     | 1,5               | 1,5               | 1,5               |
| Fin type                            |                                    |        | window sheet      | window sheet      | window sheet      |
| Tube pitch(a)x row                  |                                    | mm     | 21x25.4           | 21x25.4           | 21x12.7           |
| Connections                         |                                    |        |                   |                   |                   |
| Refrigerant coupling                |                                    |        | Flare             | Flare             | Flare             |
| Connecting Pipe                     | Liquid                             | Inches | 1/4"              | 1/4"              | 1/4"              |
|                                     | Gas                                | Inches | 3/8"              | 3/8"              | 3/8"              |
|                                     | Maxium length for each indoor unit |        | 15m               | 15m               | 15m               |
|                                     | Maxium heighth difference          |        | 10m               | 10m               | 10m               |
|                                     | Standard weight charged            |        | 5m/indoor unit    | 5m/indoor unit    | 5m/indoor unit    |
|                                     | Extra weight charge                |        | 15g/m             | 15g/m             | 20g/m             |
| Others                              |                                    |        |                   |                   |                   |
| Net dimensions (W x H x D)          | Indoor                             | mm     | 777×250×201       | 777×250×201       | 910×294×206       |
| Net weight                          | Indoor                             | kg     | 8                 | 8                 | 10                |

## Dimmensions:

|                | A   | B   | C   |
|----------------|-----|-----|-----|
| OMEGA WM 09K/I | 777 | 201 | 250 |
| OMEGA WM 12K   | 777 | 201 | 250 |
| OMEGA WM 18K   | 910 | 206 | 294 |



## Technical drawing:



## Efficiency labels:

