

GWP 675



MAX SERIES

# Z-MAX US R32 SERIES

ZERO

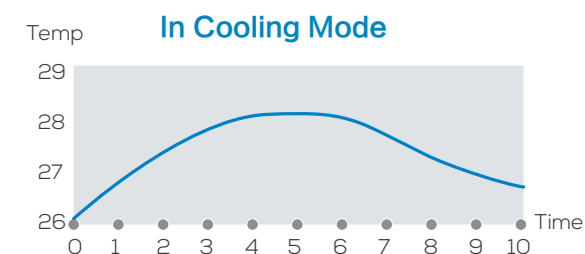
26°



Full DC  
inverter

## Sleep Mode

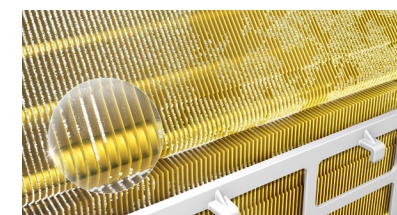
Keep you away from an under-cooling or over-heating sleep



In the new sleep mode, the air conditioner will slowly increase the temperature until the middle period, then slowly decrease the temperature and return to the initial set value to maintain a comfortable sleep temperature during the night.

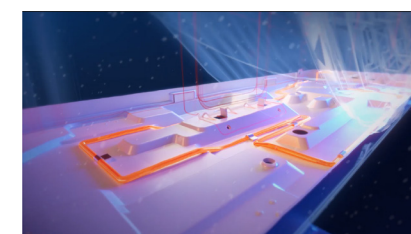
## Intelligent Defrost

It is available for the automatic defrosting. After the defrosting is completed, it will automatically reverse to the heating operation; accordingly, it can not only fully ensure the heating effect of the air conditioner but also show a more durable effect.



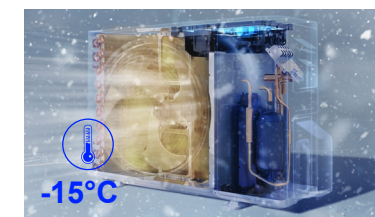
## ODU chasiss Belt

Chassis heating belt is applied to preventing frosting or freezing of the bottom plat in winter.



## Low Temperature Heating

-15°C Strong Heating in Low Ambient Temperature



Chassis heating belt & highly efficient compressor

Through the chassis heating belt & highly efficient compressor, the unit is able to perform excellent heating in the ambient temperature of down to -15°C.

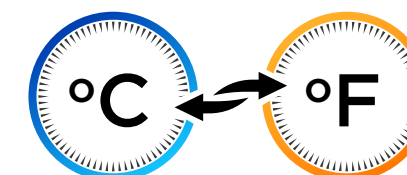
## Smart WI-FI Control

Users can easily control the air-con outside the house via smart device, it provides convenient and intelligent life.



## Celsius And Fahrenheit Degree Switch

Temperature display can be switch between Fahrenheit and centigrade Degree.





# 55°C High Temperature Self-cleaning

\* Heat Pump Only



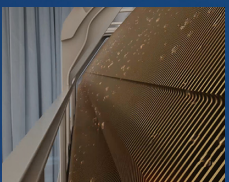
Evaporator is frosted to freeze the dirt on the fin then starts defrosting to generate a large amount of water to brush away the dirt.  
After 55°C quick-drying, the evaporator becomes cleaner & more sterile.



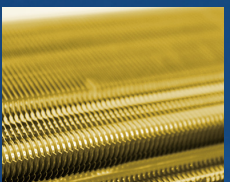
Frosting



Defrosting



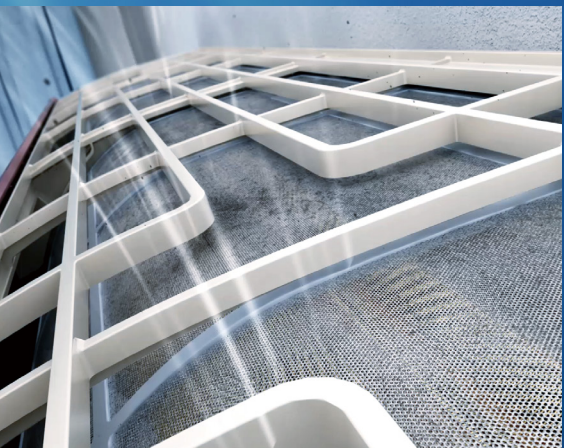
55°C High Temperature Drying



Cleaner & More Sterilized

# Filter-cleaning Reminder

After running for a particular period, the air-con will automatically detect the cleanliness of the filter and remind users of filter cleaning to avoid too much bacteria being accumulated on the filters and provide users with healthy air.



CL

Auto-reminder



# Healthy Filter



Photocatalyst Filter



Silver ion Filter



Active Carbon Filter



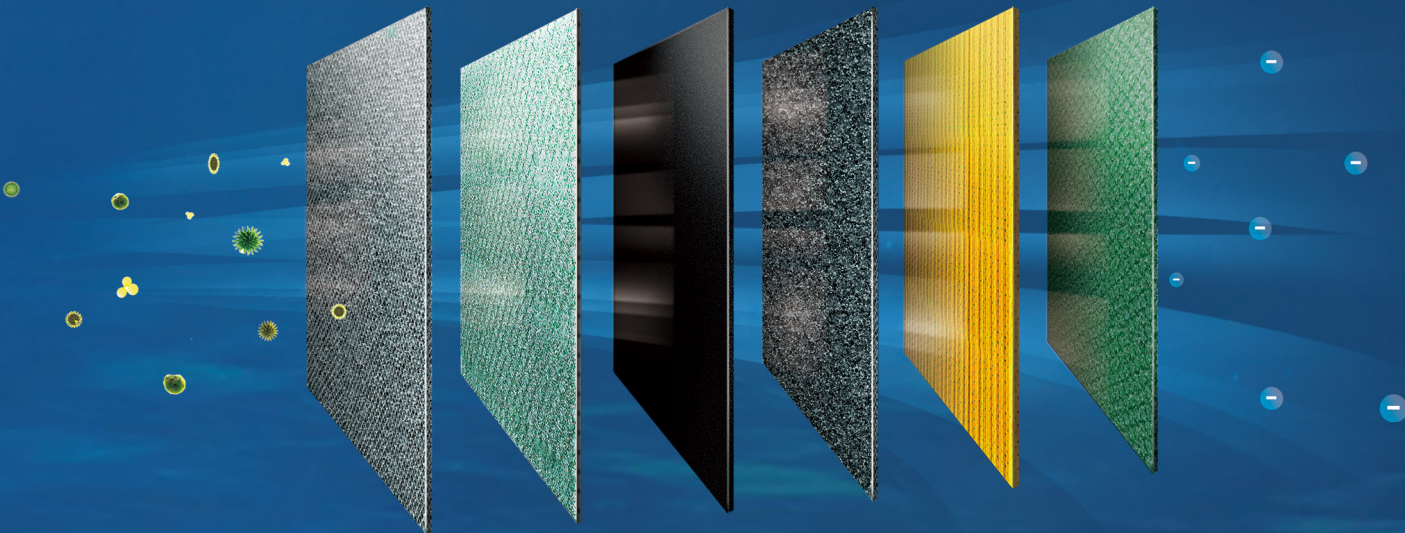
Catechin Filter



Vitamin C Filter



Catalyst Filter





Z-MAX US R32 17SEER2 60Hz Cooling Only Inverter

| Model                                                 |                                     |                                | ZMSB-12CVT110-USR1       | ZMSB-12CVT-USR1   | ZMSB-18CVT-USR1   | ZMSB-24CVT-USR1   |
|-------------------------------------------------------|-------------------------------------|--------------------------------|--------------------------|-------------------|-------------------|-------------------|
| Power supply                                          |                                     |                                | 115V~/60Hz/1P            | 208/230V~/60Hz/1P | 220-240V~/60Hz/1P | 208-230V~/60Hz/1P |
| Rated Cooling<br>(95F/35C)                            | Rated cooling capacity<br>(95F/35C) | Btu/h                          | 12000                    | 12000             | 18000             | 24000(5120~24500) |
|                                                       | EER2 (95F/35C)                      | Btu/W.h                        | 10.2                     | 9.55              | 2.79              | 3                 |
|                                                       | SEER2                               | Btu/W.h                        | 17                       | 16                | 19                | 18                |
|                                                       |                                     |                                |                          |                   |                   |                   |
| Max. Fuse size                                        |                                     | A                              | 25                       | 15                | 20                | 20                |
| Moisture removal                                      |                                     | Liters/h                       | 1.5                      | 1.6               | 1.8               | 2.4               |
| Maximum Operation Pressure                            |                                     | PSIG                           | 652                      | 652               | 652               | 652               |
| Indoor noise level at cooling                         | Turbo/High/Med./Low/Mute            |                                | 43.7/40.3/35.7/33.2/28.2 | 45/42/37/35/33    | 48/44/39/34/32    | 49/46/41          |
| Outdoor noise level                                   |                                     | dB(A)                          | 54.4                     | 55                | 55                | 52                |
| Indoor Packing dimensions (W x D x H)                 |                                     | mm                             | 840×315×260              | 840×315×260       | 979×372×277       | 1096×390×300      |
|                                                       |                                     | inch                           | 33.07x12.4x10.23         | 33.0712.40x10.23  | 38.54×14.65×10.91 | 43.15x15.35x11.81 |
| Outdoor Packing dimensions (W x D x H)<br>(with pipe) |                                     | mm                             | 818×325×515              | 818x325x538       | 852x358x610       | 900×405×655       |
|                                                       |                                     | inch                           | 32.20x12.80x20.27        | 32.20x12.80x21.18 | 33.54x14.09x24.02 | 35.43x15.94x25.79 |
| Factory Precharge Line                                |                                     | (m/ft)                         | 7.5 / 25                 | 7.5 / 25          | 7.5 / 25          | 7.5 / 25          |
| Maximum Line Length                                   |                                     | (m/ft)                         | 15 / 50                  | 15 / 50           | 15 / 50           | 20 / 65           |
| Maximum Height Difference Between Indoor and Outdoor  |                                     | (m/ft)                         | 10 / 33                  | 10 / 33           | 10 / 33           | 15 / 49           |
| Additional refrigerant charge                         |                                     | (g/m, oz/ft)                   | 10 / 0.11                | 10 / 0.11         | 10 / 0.11         | 10 / 0.11         |
| Operation temperature                                 |                                     | °C                             | 16~31                    | 16~31             | 16~31             | 16~31             |
| Ambinet temperature                                   | Indoor(cooling/ heating)            | °C                             | >=17/<=30                | >=17/<=30         | >=17/<=30         | >=17/<=30         |
|                                                       | Outdoor(cooling/heating)            | °C                             | -15~50/-20~30            | -15~50/-20~30     | -15~50/-20~30     | -15~50/-20~30     |
| Ambinet temperature                                   | Indoor(cooling/ heating)            | F                              | >=62/<=86                | >=62/<=86         | >=62/<=86         | >=62/<=86         |
|                                                       | Outdoor(cooling/heating)            | F                              | 5~122/-4~86              | 5~122/-4~86       | 5~122/-4~86       | 5~122/-4~86       |
| Loading Capacity (INOOR)                              |                                     | 40'HC/ 40'GP/ 20'GP            | 930/800/380              | 930/800/380       | 645/570/265       | 490/417/198       |
| Loading Capacity (OUT-ETL)                            |                                     | 40'HC/ 40'GP/ 20'GP(with pipe) | 360/358/167              | 360/358/167       | 344/258/120       | 274/207/100       |
| Loading Capacity (IN+OUT)                             |                                     | 40'HC (with pipe)              | 288                      | 288               | 230               | 180               |

Z-MAX US R32 17SEER2 60Hz Heat Pump Inverter

| Model                                                 |                                    |                                | ZMSB-12HVT110-USR1 | ZMSB-12HVT-USR1   | ZMSB-18HVT-USR1      | ZMSB-24HVT-USR1   |
|-------------------------------------------------------|------------------------------------|--------------------------------|--------------------|-------------------|----------------------|-------------------|
| Power supply                                          |                                    |                                | 115V~/60Hz/1P      | 208/230V~/60Hz/1P | 208-230V~/60Hz/1P    | 208/230V~/60Hz/1P |
| Rated Cooling<br>(95F/35C)                            | Rated cooling capacity (95F/35C)   | Btu/h                          | 12000              | 12000             | 17000                | 24000(5120~24500) |
|                                                       | EER2 (95F/35C)                     | Btu/W.h                        | 10.236             | 9                 | 9.5                  | 3                 |
|                                                       | SEER2                              | Btu/W.h                        | 17                 | 16                | 18                   | 18                |
| Rated Heating                                         | Rated Heating capacity(47F/8.3C)   | Btu/h                          | 12000              | 12000             | 17000                | 24000             |
|                                                       | HSPF2 Rating (Region IV)           | Btu/W.h                        | 9                  | 9                 | 10.5                 | 8.64              |
|                                                       | HSPF2 Rating (Region V)            | Btu/W.h                        | 7.2                | 7.2               |                      | 3.5               |
|                                                       | COP2 (47F/8.3C)                    | W/W                            | 35                 | 3.2               | 3.5                  | 3.5               |
|                                                       | Max. Heating capcacity (5°F/-15°C) | W/W                            | /                  | 8700              | 10000                | 3633              |
|                                                       | COP2 (5°F/-15°C)                   | W/W                            | /                  | 1.8               | 2                    | 2.05              |
| Max. Fuse size                                        |                                    | A                              | 25                 | 15                | 20                   | 20                |
| Moisture removal                                      |                                    | Liters/h                       | 1.3                | 1.3               | 1.6                  | 2.4               |
| Maximum Operation Pressure                            |                                    | PSIG                           | 652                | 652               | 652                  | 652               |
| Indoor noise level at cooling                         | Turbo/High/Med./Low/Mute           |                                | 42.9/40/36.1/33/29 | 45/42/39/35/33    | 49/45/43/40/37/34/32 | 47/45/39          |
| Outdoor noise level                                   |                                    | dB(A)                          | 53                 | 55                | 57                   | 55                |
| Indoor Packing dimensions (W x D x H)                 |                                    | mm                             | 840×315×260        | 840×315×260       | 979×372×277          | 1096×390×300      |
|                                                       |                                    | inch                           | 33.07x12.4x10.23   | 33.07×12.40×10.23 | 38.54×14.64×10.90    | 43.15x15.35x11.81 |
| Outdoor Packing dimensions (W x D x H)<br>(with pipe) |                                    | mm                             | 818×325×515        | 818×325×538       | 852x358x610          | 900×405×655       |
|                                                       |                                    | inch                           | 32.20x12.80x20.27  | 32.20×12.80×21.18 | 33.54x14.09x24.02    | 35.43x15.94x25.79 |
| Factory Precharge Line                                |                                    | (m/ft)                         | 7.5 / 25           | 7.5 / 25          | 7.5 / 25             | 7.5 / 25          |
| Maximum Line Length                                   |                                    | (m/ft)                         | 15 / 50            | 15 / 50           | 15 / 50              | 20 / 65           |
| Maximum Height Difference Between Indoor and Outdoor  |                                    | (m/ft)                         | 10 / 33            | 10 / 33           | 10 / 33              | 15 / 49           |
| Additional refrigerant charge                         |                                    | (g/m, oz/ft)                   | 10 / 0.11          | 10 / 0.11         | 10 / 0.11            | 10 / 0.11         |
| Operation temperature                                 |                                    | °C                             | 16~31              | 16~31             | 16~31                | 16~31             |
| Ambinet temperature                                   | Indoor(cooling/ heating)           | °C                             | >=17/<=30          | >=17/<=30         | >=17/<=30            | >=17/<=30         |
|                                                       | Outdoor(cooling/heating)           | °C                             | -15~50/-20~30      | -15~50/-20~30     | -15~50/-20~30        | -15~50/-20~30     |
| Ambinet temperature                                   | Indoor(cooling/ heating)           | F                              | >=62/<=86          | >=62/<=86         | >=62/<=86            | >=62/<=86         |
|                                                       | Outdoor(cooling/heating)           | F                              | 5~122/-4~86        | 5~122/-4~86       | 5~122/-4~86          | 5~122/-4~86       |
| Loading Capacity (INOOR)                              |                                    | 40'HC/ 40'GP/ 20'GP            | 930/800/380        | 930/800/380       | 645/570/265          | 490/417/198       |
| Loading Capacity (OUT-ETL)                            |                                    | 40'HC/ 40'GP/ 20'GP(with pipe) | 360/358/167        | 360/358/167       | 344/258/120          | 274/207/100       |
| Loading Capacity (IN+OUT)                             |                                    | 40'HC (with pipe)              | 288                | 288               | 230                  | 180               |



24H Timer



Turbo Mode



Display On/off



Four way Auto Swing



High temperature (55 °C) cooling



Self-diagnosis



Refrigerant Leakage Detector



Fire-proof Electrical Box



Auto-restart



Follow Me /I Feel



Healthy filter



8°C heating



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