



# AURORA INVERTER



TURBO MODE



HIGH  
DENSITY  
FILTERS



AUTO RESTART  
FUNCTION

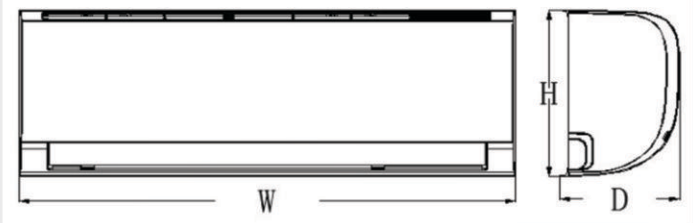
# AURORA INVERTER



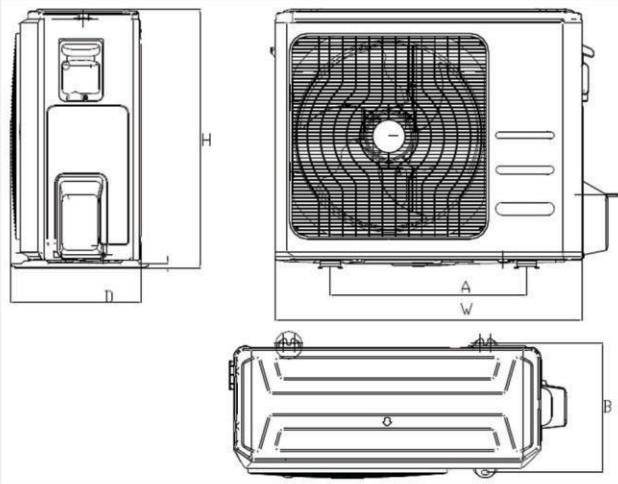
## SPECIFICATIONS

|                                     |                                |          |                                           |
|-------------------------------------|--------------------------------|----------|-------------------------------------------|
| Code                                |                                |          | 22022010009292                            |
| Indoor code                         |                                |          | 22022011009858                            |
| outdoor code                        |                                |          | 22022016009639                            |
| Model                               |                                |          | MS12F-36HRFN1-QC2GW                       |
| Indoor                              |                                |          | MS12F-36HRFN1-QC2GW                       |
| Outdoor                             |                                |          | MOD80U-36HRFN1-QC2GW                      |
| Power supply                        |                                | Ph-V-Hz  | 220-240V,1Ph,50Hz                         |
| Cooling Performance                 |                                |          |                                           |
| Cooling                             | Capacity                       | Btu/h    | 34461                                     |
|                                     | Input                          | W        | 3230                                      |
|                                     | Rated current                  | A        | 14.5                                      |
|                                     | EER                            | W/W      | 3.13                                      |
| Heating Performance                 |                                |          |                                           |
| Heating                             | Capacity                       | Btu/h    | 35144                                     |
|                                     | Input                          | W        | 3150                                      |
|                                     | Rated current                  | A        | 13.8                                      |
|                                     | COP                            | W/W      | 3.27                                      |
| Max. input consumption              |                                | W        | 5175                                      |
| Max. current                        |                                | A        | 22.5                                      |
| Compressor                          | Model                          |          | ATF310D43UMT                              |
|                                     | Type                           |          | ROTARY                                    |
|                                     | Brand                          |          | GMCC                                      |
|                                     | Capacity                       | W        | 9490                                      |
|                                     | Input                          | W        | 2600                                      |
|                                     | Rated current(RLA)             | A        | 5.1                                       |
|                                     | Locked rotor Amp(LRA)          | A        | /                                         |
|                                     | Thermal protector              |          | /                                         |
|                                     | Thermal protector position     |          | NA                                        |
|                                     | Capacitor                      | μF       | /                                         |
|                                     | Refrigerant oil/oil charge     | ml       | VG74/1000                                 |
| Indoor Specifications               |                                |          |                                           |
| Indoor fan motor                    | Model                          |          | ZKFP-58-8-1                               |
|                                     | Input                          | W        | 58.0                                      |
|                                     | Capacitor                      | uF       | /                                         |
|                                     |                                |          |                                           |
|                                     |                                |          |                                           |
| Indoor coil                         | Speed(Hi/Mi/Lo)                | r/min    | 1180/1000/950                             |
|                                     | a.Number of rows               |          | 3.0                                       |
|                                     | b.Tube pitch(a)x row pitch(b)  | mm       | 21x13.37                                  |
|                                     | c.Fin spacing                  | mm       | 1.3                                       |
|                                     | d.Fin type (code)              |          | Hydrophilic aluminum                      |
|                                     | e.Tube outside dia.and type    | mm       | Φ7,Inner groove tube                      |
|                                     | f.Coil length x height x width | mm       | 965x126x40.11+965x126x40.11+945x126x40.11 |
|                                     | g.Number of circuits           |          | 7                                         |
| Indoor air flow (Hi/Mi/Lo)          |                                | m3/h     | 1450/1090/810                             |
| Indoor noise level (Hi/Mi/Lo)       |                                | dB(A)    | 51/44/39                                  |
| Indoor unit                         | Dimension(W*D*H)               | mm       | 1259x282x362                              |
|                                     | Packing (W*D*H)                | mm       | 1340x450x385                              |
|                                     | Net/Gross weight               | Kg       | 19.0/26.5                                 |
| Outdoor Specifications              |                                |          |                                           |
| Outdoor fan motor                   | Model                          |          | ZKFN-120-8-2                              |
|                                     | Input                          | W        | 150.0                                     |
|                                     | Capacitor                      | uF       | /                                         |
|                                     | Speed                          | r/min    | 950/750                                   |
|                                     | a.Number of rows               |          | 3.0                                       |
|                                     | b.Tube pitch(a)x row pitch(b)  | mm       | 21x13.37                                  |
|                                     | c.Fin spacing                  | mm       | 1.4                                       |
|                                     | d.Fin type (code)              |          | Hydrophilic aluminum                      |
|                                     |                                | mm       | Φ7,Inner groove tube                      |
|                                     | f.Coil length x height x width | mm       | 1000x756x40.11                            |
|                                     | g.Number of circuits           |          | 6                                         |
| Outdoor noise level                 |                                | dB(A)    | 64                                        |
| Outdoor unit                        | Dimension(W*D*H)               | mm       | 946x420x810                               |
|                                     | Packing (W*D*H)                | mm       | 1090x500x885                              |
|                                     | Net/Gross weight               | Kg       | 69/75                                     |
| Refrigerant piping                  |                                |          |                                           |
| Refrigerant type                    |                                | Kg       | R410A/3.50                                |
| Design pressure                     |                                | MPa      | 4.2/1.5                                   |
| Refrigerant piping                  | Liquid side/ Gas side          | mm(inch) | 9.52mm(3/8in)/15.9mm(5/8in)               |
|                                     | Max. refrigerant pipe length   | m        | 40                                        |
|                                     | Max. difference in level       | m        | 20                                        |
| Connection wiring                   |                                |          | ///                                       |
| Plug type                           |                                |          | //no-plug                                 |
| Thermostat type                     |                                |          | Remote Control                            |
| Operation temperature               |                                | °C       | 17~30                                     |
| Room temperature                    | Indoor(cooling/ heating)       | °C       | 18~32/0~27                                |
|                                     | Outdoor(cooling/heating)       | °C       | -15~46/-15~24                             |
| Application area (Cooling Standard) |                                | m2       | 46~67                                     |

| Indoor Dimensions   |              |
|---------------------|--------------|
| Model               | W X D x H    |
| MS12F-36HRFN1-QC2GW | 1259X282X362 |



| Outdoor Dimensions   |             |     |     |
|----------------------|-------------|-----|-----|
| Model                | W x D x H   | A   | B   |
| MOD80U-36HRFN1-QC2GW | 946X420X810 | 673 | 403 |





## AURORA FIXED SPEED



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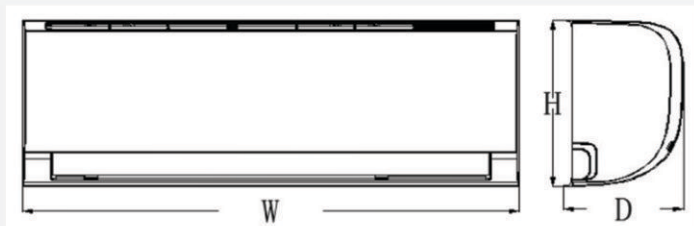


## SPECIFICATIONS

|                               |                              |                   |                       |
|-------------------------------|------------------------------|-------------------|-----------------------|
| <b>Indoor Model</b>           |                              | MSABF-34HRN1-QC2W |                       |
| <b>Outdoor Model</b>          |                              | MOD30-34HN1-QC2W  |                       |
| Power supply                  |                              | Ph-V-Hz           | 220-240V- 50Hz, 1Ph   |
| <b>Cooling Performance</b>    |                              |                   |                       |
| Cooling                       | Capacity                     | BTU               | 34000                 |
|                               | Input                        | W                 | 3120                  |
|                               | Rated current                | A                 | 14.5                  |
|                               | EER                          | W/W               | 3,19                  |
| <b>Heating Performance</b>    |                              |                   |                       |
| Heating                       | Capacity                     | BTU               | 37000                 |
|                               | Input                        | W                 | 3080                  |
|                               | Rated current                | A                 | 14.3                  |
|                               | COP                          | W/W               | 3,52                  |
| <b>Indoor Specifications</b>  |                              |                   |                       |
| Indoor air flow (Hi/Mi/Lo)    |                              | m3/h              | 1370/1200/980         |
| Indoor noise level (Hi/Mi/Lo) |                              | dB(A)             | 51/47/42              |
| Indoor unit                   | Dimension (W*D*H)            | mm                | 1260x283x362          |
|                               | Packing (W*D*H)              | mm                | 1340x380x450          |
|                               | Net/Gross weight             | Kg                | 21.8/27.6             |
| <b>Outdoor Specifications</b> |                              |                   |                       |
| Outdoor noise level           |                              | dB(A)             | 62.1                  |
| Outdoor unit                  | Dimension (W*D*H)            | mm                | 1048x455x810          |
|                               | Packing (W*D*H)              | mm                | 1090x500x935          |
|                               | Net/Gross weight             | Kg                | 70/75                 |
| <b>Refrigerant Piping</b>     |                              |                   |                       |
| Refrigerant type              |                              | g                 | R410A/2.65            |
| Refrigerant piping            | Liquid side/Gas side         | mm(inch)          | Φ9.52Φ15.9(3/8"/5/8") |
|                               | Max. refrigerant pipe length | m                 | 25                    |
|                               | Max. difference in level     | m                 | 10                    |

Indoor Dimensions

| Model             | W X D x H    |
|-------------------|--------------|
| MSABF-34HRN1-QC2W | 1260x283x362 |



Outdoor Dimensions

| Model            | W x D x H    | A   | B   |
|------------------|--------------|-----|-----|
| MOD30-34HN1-QC2W | 1048x455x810 | 673 | 403 |

