






Technical specifications

R410A T3 G-Boost Inverter Split (High end AirQua series)

Gree newly developed unique G-Boost inverter technology enable air conditioner running powerful even in 60°C ambient temperature

| WiFi | WiFi function |  | Up & down swing |  | Left & right swing |
|--|-------------------|---|---------------------------------|---|-------------------------------|
| Model | -- | | GWH12AVCXD-S3DTA1C | | GWH18AVDXF-K3DTA1A |
| Rated Voltage | V~ | | 220-240 | | 220-240 |
| Rated Frequency | Hz | | 50 | | 50 |
| Phases | -- | | 1 | | 1 |
| Power Supply Mode | -- | | Indoor | | Indoor |
| Cross-sectional Area of Power Cable Conductor | mm ² | | 1 | | 1,5 |
| Recommended Power Cable(Core) | N | | 3 | | 3 |
| Min/Max. Voltage | V | | 160/264 | | 160/264 |
| Cooling Capacity | W | | 3360 (1100~4000) | | 5280 (1500~5800) |
| Heating Capacity | W | | 3700 (1000~4600) | | 5600 (1400~6600) |
| Cooling Power Input | W | | 861 (350~1550) | | 1500 (350~2400) |
| Heating Power Input | W | | 974 (300~1390) | | 1600 (300~2400) |
| Cooling Current Input | A | | 3,86 | | 6,72 |
| Heating Current Input | A | | 4,35 | | 7,3 |
| Rated Input | W | | 1550 | | 2400 |
| Rated Cooling Current | A | | 6,28 | | 11 |
| EER | W/W | | 3,90 | | 3,52 |
| COP | W/W | | 3,80 | | 3,50 |
| Air Flow Volume(SS) | m ³ /h | | 720 | | 1100 |
| Air Flow Volume(H) | m ³ /h | | 600 | | 810 |
| Air Flow Volume(MH) | m ³ /h | | 550 | | 700 |
| Air Flow Volume(M) | m ³ /h | | 470 | | 600 |
| Air Flow Volume(ML) | m ³ /h | | 420 | | 550 |
| Air Flow Volume(L) | m ³ /h | | 380 | | 460 |
| Air Flow Volume(SL) | m ³ /h | | 310 | | 410 |
| Dehumidifying Volume | L/h | | 1,4 | | 1,8 |
| Application Area | m ² | | 16-24 | | 23-34 |
| Indoor Unit Model | -- | | GWH12AVCXD-S3DTA1C/I | | GWH18AVDXF-K3DTA1A/I |
| Indoor Unit Fan Type | -- | | Cross-flow | | Cross-flow |
| Indoor Unit Fan Diameter Length(D×L) | mm | | Φ94×630 | | Φ108×691 |
| Cooling Speed | r/min | | 1450/1200/1120/1050/980/920/750 | | 1250/1000/900/800/700/650/600 |
| Heating Speed | r/min | | 1450/1140/1080/1020/960/900/850 | | 1100/1000/950/900/850/750/700 |
| Indoor Unit Fan Motor Power Output | W | | 15 | | 45 |
| Indoor Unit Fan Motor RLA | A | | 0,2 | | 0,24 |
| Evaporator Form | -- | | Aluminum Fin-copper Tube | | Aluminum Fin-copper Tube |
| Evaporator Pipe Diameter | mm | | φ7 | | φ5 |
| Evaporator Row-fin Gap | mm | | 2-1.3 | | 2-1.2 |
| Evaporator Coil Length (L×D×W) | mm | | 634×25.4×266.7 | | 700×22.8×381 |
| Swing Motor Model | -- | | MP24HF/MP24AQ/MP35CV | | MP24HF/MP24AQ/MP35CV |
| Swing Motor Power Output | W | | 1.5/1.5/2.5 | | 1.5/1.5/2.5 |
| Fuse Current | A | | 3,15 | | 3,15 |
| Set Temperature Range | °C | | 16~30 | | 16~30 |
| Indoor Unit Sound Pressure Level (SS) Cooling mode | dB (A) | | 44 | | 48 |
| Indoor Unit Sound Pressure Level (H) Cooling mode | dB (A) | | 38 | | 41 |
| Indoor Unit Sound Pressure Level (MH) Cooling mode | dB (A) | | 36 | | 39 |
| Indoor Unit Sound Pressure Level (M) Cooling mode | dB (A) | | 34 | | 35 |
| Indoor Unit Sound Pressure Level (ML) Cooling mode | dB (A) | | 33 | | 31 |
| Indoor Unit Sound Pressure Level (L) Cooling mode | dB (A) | | 31 | | 29 |
| Indoor Unit Sound Pressure Level (SL) Cooling mode | dB (A) | | 27 | | 27 |
| Indoor Unit Sound Power Level (SS) Cooling mode | dB (A) | | 54 | | 58 |
| Indoor Unit Sound Power Level (H) Cooling mode | dB (A) | | 48 | | 51 |
| Indoor Unit Sound Power Level (MH) Cooling mode | dB (A) | | 46 | | 49 |
| Indoor Unit Sound Power Level (M) Cooling mode | dB (A) | | 44 | | 45 |
| Indoor Unit Sound Power Level (ML) Cooling mode | dB (A) | | 43 | | 41 |
| Indoor Unit Sound Power Level (L) Cooling mode | dB (A) | | 41 | | 39 |
| Indoor Unit Sound Power Level (SL) Cooling mode | dB (A) | | 37 | | 37 |
| Indoor Unit Dimension (W) | mm | | 907 | | 970 |
| Indoor Unit Dimension (H) | mm | | 292 | | 347 |
| Indoor Unit Dimension (D) | mm | | 200 | | 257 |
| Indoor Unit Dimension of Carton Box (L) | mm | | 959 | | 1022 |
| Indoor Unit Dimension of Carton Box (W) | mm | | 355 | | 411 |
| Indoor Unit Dimension of Carton Box (H) | mm | | 262 | | 329 |
| Indoor Unit Net Weight | kg | | 11 | | 15 |
| Indoor Unit Gross Weight | kg | | 13 | | 17,5 |
| Indoor Unit Stacked Layers | -- | | 8 | | 7 |
| Outdoor Unit Model | -- | | GWH12ATCXD-S3DTA1C/O | | GWH18AVDXF-K3DTA1A/O |
| Compressor Trademark | -- | | GREE | | GREE |
| Compressor Model | -- | | QXFa-M111zE170 | | QXFa-M125zE170 |
| Compressor Oil | -- | | FW68DA or equivalent | | RB68EP or equivalent |

| | | | |
|---|-------------------|--|---|
| Compressor Type | -- | Rotary | Rotary |
| Compressor Rated Load Amp (RLA) | A | 4,35 | 5 |
| Compressor Power Input | W | 950 | 1085 |
| Outdoor Unit Fan Type | -- | Axial-flow | Axial-flow |
| Outdoor Unit Fan Diameter | mm | φ420 | φ520 |
| Outdoor Unit Fan Motor Speed | rpm | 850 | 820 |
| Outdoor Unit Fan Motor Power Output | W | 30 | 60 |
| Outdoor Unit Fan Motor RLA | A | 0,4 | 0,65 |
| Outdoor Unit Air Flow Volume | m ³ /h | 2200 | 3600 |
| Condenser Form | -- | Aluminum Fin-copper Tube | Aluminum Fin-copper Tube |
| Condenser Pipe Diameter | mm | φ7.94 | φ7 |
| Condenser Rows-fin Gap | mm | 2-1.4 | 2-1.4 |
| Condenser Coil Length (L×D×W) | mm | 761.5×38.1×528 | 812×38.1×616 |
| Permissible Excessive Operating Pressure for the Discharge Side | MPa | 4,3 | 4,3 |
| Permissible Excessive Operating Pressure for the Suction Side | MPa | 2,5 | 2,5 |
| Maximum Allowable Pressure | MPa | 4,3 | 4,3 |
| Cooling Operation Ambient Temperature Range | °C | 18~60 | 18~57 |
| Heating Operation Ambient Temperature Range | °C | -7~24 | -7~24 |
| Throttling Method | -- | Electron expansion valve | Electron expansion valve |
| Defrosting Method | -- | Automatic Defrosting | Automatic Defrosting |
| Isolation | -- | I | I |
| Moisture Protection | -- | IPX4 | IPX4 |
| Outdoor Unit Sound Pressure Level (H) | dB (A) | 53 | 60 |
| Outdoor Unit Sound Power Level (H) | dB (A) | 63 | 70 |
| Outdoor Unit Dimension (W) | mm | 802 | 958 |
| Outdoor Unit Dimension (H) | mm | 555 | 660 |
| Outdoor Unit Dimension (D) | mm | 350 | 402 |
| Outdoor Unit Dimension of Carton Box (L) | mm | 869 | 1029 |
| Outdoor Unit Dimension of Carton Box (W) | mm | 395 | 453 |
| Outdoor Unit Dimension of Carton Box (H) | mm | 594 | 715 |
| Outdoor Unit Net Weight | kg | 31 | 41,5 |
| Outdoor Unit Gross Weight | kg | 33,5 | 46 |
| Refrigerant | -- | R410A | R410A |
| Refrigerant Charge | kg | 1,25 | 1,5 |
| Outdoor Unit Stacked Layers | — | 5 | 4 |
| Connection Pipe Length | m | 5 | 7,5 |
| Connection Pipe Gas Additional Charge | g/m | 20 | 20 |
| Outer Diameter of Liquid Pipe (Metric) | mm | φ6 | φ6 |
| Outer Diameter of Liquid Pipe (British System) | inch | 1/4" | 1/4" |
| Outer Diameter of Gas Pipe (Metric) | mm | φ9.52 | φ12 |
| Outer Diameter of Gas Pipe (British System) | inch | 3/8" | 1/2" |
| Max Distance Height | m | 10 | 10 |
| Max Distance Length | m | 20 | 25 |
| IDU Pic | / |  |  |
| ODU Pic | / |  |  |

