



# FREE MATCH

## Air Conditioner (OUTDOOR)



### TECHNICAL SPECIFICATIONS: OUTDOOR UNIT

| INDOOR UNIT MODEL            |           | GWHD<18>ND3IO | GWHD<24>ND3IO | GWHD<30>ND3IO | GWHD<36>ND3IO   |
|------------------------------|-----------|---------------|---------------|---------------|-----------------|
| Cooling capacity             | W         | 5300          | 7050          | 8500          | 9960            |
|                              | Btu/h     | 18000         | 24000         | 29000         | 34000           |
| EER / C.O.P                  | W/W       | 3.63/3.86     | 3.36/4.05     | 3.27/4.00     | 2.69/3.18       |
| Sound pressure level         | dB(A)     | 54            | 57            | 55            | 60              |
| Sound power level            | dB(A)     | 64            | 67            | 65            | 70              |
| <b>ELECTRICAL DATA</b>       |           |               |               |               |                 |
| Power supply                 | V, Ph, Hz | 220-240-60-1  | 220-240-60-1  | 220-240-60-1  | 220-240-60-1    |
| Cooling power input          | kW        | 1.46          | 2.10          | 2.60          | 3.70            |
| <b>COMPRESSOR</b>            |           |               |               |               |                 |
| Type                         | -         | Twin Rotary   | Twin Rotary   | Twin Rotary   | Inverter Rotary |
| Power input                  | W         | 1330          | 1610.00       | 2002.00       | 2650            |
| <b>FAN MOTOR</b>             |           |               |               |               |                 |
| Model                        | -         | FW30J-ZL      | LW60M-ZL      | LW60M-ZL      | LW92K-ZL        |
| Drive type                   | -         | Direct drive  | Direct drive  | Direct drive  | Direct drive    |
| Power output                 | PH        | 30            | 60            | 60            | 90              |
| <b>DIMENSION</b>             |           |               |               |               |                 |
| Outline (WxDxH)              | mm        | 899×378×596   | 962×396×700   | 962×396×700   | 980×427×790     |
| Package (LxWxH)              | mm        | 948×420×645   | 1029×458×750  | 1029×458×750  | 1083×488×855    |
| <b>WEIGHT</b>                |           |               |               |               |                 |
| Net weight                   | kg        | 40            | 56            | 56.5          | 69              |
| Gross weight                 | kg        | 43            | 60            | 61            | 74              |
| <b>LOADING QUANTITY</b>      |           |               |               |               |                 |
| 40'GP                        | unit      | 204           | 171           | 171           | 96              |
| 40'HQ                        | unit      | 272           | 171           | 171           | 144             |
| <b>CONNECTION PIPE</b>       |           |               |               |               |                 |
| Gas additional charge        | g/m       | 20            | 20            | 20            | 20              |
| Liquid pipe outer diameter 1 | inch      | 0.25          | 0.25          | 0.25          | 1/4"            |
| Gas pipe outer diameter 1    | inch      | 0.375         | 0.375         | 0.375         | 3/8"            |
| Liquid pipe outer diameter 2 | inch      | 0.25          | 0.25          | 0.25          | 1/4"            |
| Gas pipe outer diameter 2    | inch      | 0.375         | 0.375         | 0.375         | 3/8"            |
| Liquid pipe outer diameter 3 | inch      | /             | 1/4"          | 1/4"          | 1/4"            |
| Gas pipe outer diameter 3    | inch      | /             | 0.375         | 0.375         | 3/8"            |
| Liquid pipe outer diameter 4 | inch      | /             | /             | 1/4"          | 1/4"            |
| Gas pipe outer diameter 4    | inch      | /             | /             | 0.375         | 3/8"            |
| Liquid pipe outer diameter 5 | inch      | /             | /             | /             | /               |
| Gas pipe outer diameter 5    | inch      | /             | /             | /             | /               |

PRODUCT WARRANTY: 5 years on compressor and 1 year on parts.

# SUPER FREE MATCH

Air Conditioner  
(OUTDOOR)



## TECHNICAL SPECIFICATIONS: OUTDOOR UNIT

| INDOOR UNIT MODEL                                        |                   | GWHD<48S>ND3CO  | GWHD<56S>ND3CO  |
|----------------------------------------------------------|-------------------|-----------------|-----------------|
| Cooling capacity                                         | W                 | 14000           | 15500           |
|                                                          | Btu/h             | 47800           | 52900           |
| EER / C.O.P                                              | Btu/h.W           | 9.56 / 12.41    | 9.45 / 11.81    |
| SEER                                                     | -                 | 16              | 16              |
| Sound Pressure Level                                     | dB(A)             | 55              | 57              |
| Air Flow Volume                                          | m <sup>3</sup> /h | 6400            | 7000            |
| <b>ELECTRICAL DATA</b>                                   |                   |                 |                 |
| Power Supply                                             | V-Hz-Ph           | 208-230-60-1    | 208-230-60-1    |
| Cooling power input                                      | kW                | 5.0             | 5.6             |
| <b>COMPRESSOR</b>                                        |                   |                 |                 |
| Type                                                     | -                 | Inverter Rotary | Inverter Rotary |
| Power input                                              | W                 | 4580            | 4580            |
| <b>FAN MOTOR</b>                                         |                   |                 |                 |
| Model                                                    | -                 | SWZ120A         | SWZ120A         |
| Drive type                                               | -                 | built-in driver | built-in driver |
| Power output                                             | W                 | 120             | 120             |
| <b>CONDENSER</b>                                         |                   |                 |                 |
| Face area                                                | m <sup>2</sup>    | 1.29            | 1.29            |
| Pipe diameter                                            | mm                | φ7.94           | φ7.94           |
| Fin pitch                                                | mm                | 1.6             | 1.6             |
| L x H x W                                                | mm                | 875×38×1320     | 875×38×1320     |
| <b>REFRIGERANT</b>                                       |                   |                 |                 |
| Type                                                     | -                 | R410A           | R410A           |
| Charge                                                   | kg                | 4.95            | 4.95            |
| <b>DIMENSION</b>                                         |                   |                 |                 |
| Outline dimension (WxDxH)                                | mm                | 900×340×1345    | 900×340×1345    |
| Carton dimension (LxWxH)                                 | mm                | 980×440×1380    | 980×440×1380    |
| Package dimension (LxWxH)                                | mm                | 993×453×1500    | 993×453×1500    |
| <b>WEIGHT</b>                                            |                   |                 |                 |
| Net Weight / Gross Weight                                | kg                | 116 / 128       | 116 / 128       |
| <b>LOADING QUANTITY</b>                                  |                   |                 |                 |
| 40'GP / 40'HQ                                            | unit              | 50 / 50         | 50 / 50         |
| <b>CONNECTION PIPE</b>                                   |                   |                 |                 |
| Gas additional charge                                    | g/m               | 50              | 50              |
| Liquid pipe outer diameter 1                             | inch              | φ9.52           | φ9.52           |
| Gas pipe outer diameter 1                                | inch              | φ16             | φ16             |
| Liquid pipe outer diameter 2                             | inch              |                 |                 |
| Gas pipe outer diameter 2                                | inch              |                 |                 |
| Liquid pipe outer diameter 3                             | inch              |                 |                 |
| Gas pipe outer diameter 3                                | inch              |                 |                 |
| Liquid pipe outer diameter 4                             | inch              |                 |                 |
| Gas pipe outer diameter 4                                | inch              |                 |                 |
| Liquid pipe outer diameter 5                             | inch              |                 |                 |
| Gas pipe outer diameter 5                                | inch              |                 |                 |
| Max. height distance (indoor and indoor)                 | m                 | 15              | 15              |
| Max. height distance (indoor and outdoor and indoor up)  | m                 | 30              | 30              |
| Max. height distance (indoor and outdoor and outdoor up) | m                 | 30              | 30              |
| Max. equivalent length (outdoor to last indoor)          | m                 | 70              | 70              |
| Max. length distance (total length)                      | m                 | 135             | 135             |

PRODUCT WARRANTY: 5 years on compressor and 1 year on parts.



# FREE MATCH

## Air Conditioner WALL MOUNTED INDOOR

R410A



### TECHNICAL SPECIFICATIONS: INDOOR UNIT

| INDOOR UNIT MODEL              |                   | GWH09QB-D3DNB2J/I        | GWH12QC-D3DNB2M/I        | GWH18QD-D3DNB2L/I        | GWH24QE-D3DNB2R/I        |
|--------------------------------|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Rated horse power              | HP                | 1.0                      | 1.5                      | 2.0                      | 2.5                      |
| Cooling capacity               | Btu/h             | 9000                     | 12000                    | 18089                    | 21502                    |
| Power supply                   | V, Ph, Hz         | 230, 1, 60               | 230, 1, 60               | 230, 1, 60               | 230, 1, 60               |
| Air Flow Volume                | m <sup>3</sup> /h | 520                      | 570                      | 850                      | 1000                     |
| Fan Type                       | -                 | Cross-flow               | Cross-flow               | Cross-flow               | Cross-flow               |
| Fan diameter length (DxL)      | mm                | 98 × 580                 | Φ98×633.5                | Φ106×706                 | 108×830                  |
| Cooling speed                  | r/min             | 1300/1200/1050/800       | 1350/1200/1000/800       | 1350/1200/1050/900       | 1300/1150/1000/850       |
| Fan motor power output         | W                 | 20                       | 20                       | 60                       | 30                       |
| Fan motor RLA                  | A                 | 0.22                     | 0.31                     | 0.40                     | 0.55                     |
| Fan motor capacitor            | μF                | 1                        | 1.5                      | 2.5                      | 3                        |
| Evaporator form                | -                 | Aluminum Fin-copper Tube | Aluminum Fin-copper Tube | Aluminum Fin-copper Tube | Aluminum Fin-copper Tube |
| Evaporator pipe diameter       | mm                | φ5                       | φ5                       | φ7                       | φ7                       |
| Evaporator row-fin gap         | mm                | 2.14                     | 2-1.4                    | 2-1.4                    | 2-1.4                    |
| Evaporator Coil Length (L×D×W) | mm                | 584×22.8×266.7           | 635×22.8×306.3           | 715×25.4×304.8           | 845×25.4×342.9           |
| Swing motor model              | -                 | MP24AA                   | MP24BA                   | MP35CJ                   | MP35CJ                   |
| Swing motor power output       | W                 | 1.5                      | 1.5                      | 2.5                      | 2.5                      |
| Fuse current                   | A                 | 3.15                     | 3.15                     | 3.15                     | 3.15                     |
| Set temperature range          | °C                | 16~30                    | 16~30                    | 16~30                    | 16~30                    |
| Sound pressure level           | dB(A)             | 39/37/33/26              | 42/39/34/28              | 47/44/40/35              | 49/45/41/37              |
| Sound power level              | dB(A)             | 49/47/43/36              | 52/49/44/38              | 57/54/50/45              | 59/55/51/47              |
| Outline dimension (W×H×D)      | mm                | 790×275×200              | 845×289×209              | 970×300×224              | 1078×325×246             |
| Carton dimension (L×W×H)       | mm                | 850×339×262              | 918×278×364              | 1038×380×305             | 1124×400×329             |
| Package dimension (L×W×H)      | mm                | 852×355×273              | 921×281×379              | 1041×383×320             | 1129×408×339             |
| Net weight                     | kg                | 9                        | 10                       | 13.5                     | 17.0                     |
| Gross weight                   | kg                | 11.0                     | 12                       | 16.5                     | 20.5                     |
| Loading quantity 40'HQ         | unit              | 312                      | 312                      | 256                      | 216                      |

PRODUCT WARRANTY: 5 years on compressor and 1 year on parts.



## TECHNICAL SPECIFICATIONS:

| INDOOR UNIT MODEL                           | GWH09QB-D3DNB2J/I | GWH12QC-D3DNB2M/I | GWH18QD-D3DNB2L/I | GWH24QE-D3DNB2R/I |
|---------------------------------------------|-------------------|-------------------|-------------------|-------------------|
| FUNCTION                                    |                   |                   |                   |                   |
| Automatic Operation                         | YES               | YES               | YES               | YES               |
| Cooling                                     | YES               | YES               | YES               | YES               |
| Heating                                     | YES               | YES               | YES               | YES               |
| Dehumidify                                  | YES               | YES               | YES               | YES               |
| Fan                                         | YES               | YES               | YES               | YES               |
| Sleep Mode                                  | Normal sleep mode | Normal sleep mode | Normal sleep mode | Normal sleep mode |
| Auto Swing(Vertical Auto Swing)             | YES               | YES               | YES               | YES               |
| Auto Swing(Horizontal Auto Swing)           | NO                | NO                | NO                | NO                |
| Auto Fan                                    | YES               | YES               | YES               | YES               |
| Quiet                                       | NO                | NO                | NO                | NO                |
| I Feel                                      | YES               | YES               | YES               | YES               |
| Anion                                       | NO                | NO                | NO                | NO                |
| Cold Plasma                                 | NO                | NO                | NO                | NO                |
| Intelligent Preheating                      | YES               | YES               | YES               | YES               |
| Fresh Air                                   | NO                | NO                | NO                | NO                |
| Dry Anti-Mildew Design                      | YES               | YES               | YES               | YES               |
| Several Optional Filters (eg:Active Carbon) | Optional          | Optional          | YES               | Optional          |
| Auto Clean                                  | YES               | YES               | YES               | YES               |
| Timer                                       | YES               | YES               | YES               | YES               |
| Auto Restart                                | YES               | YES               | YES               | YES               |
| Turbo                                       | YES               | YES               | YES               | YES               |
| Clock                                       | YES               | YES               | YES               | YES               |
| Temperature                                 | YES               | YES               | YES               | YES               |
| Soft Start                                  | YES               | YES               | YES               | YES               |
| Self Diagnosis                              | YES               | YES               | YES               | YES               |
| Lock                                        | YES               | YES               | YES               | YES               |
| CO Detection                                | NO                | NO                | NO                | NO                |
| CO2 Detection                               | NO                | NO                | NO                | NO                |
| Filter Dirty Alarm                          | NO                | NO                | NO                | NO                |
| Intelligent Open-Close Panel                | NO                | NO                | NO                | NO                |
| Compressor Electric Heater Function         | YES               | YES               | NO                | YES               |
| Chassis Electric Heater Function            | YES               | YES               | YES               | YES               |
| Quick Connector                             | NO                | NO                | NO                | NO                |
| LCD (No Back Light)                         | YES               | YES               | YES               | YES               |
| LCD (Back Light)                            | NO                | NO                | NO                | NO                |
| LED                                         | YES               | YES               | YES               | YES               |
| Intelligent Defrosting                      | YES               | YES               | YES               | YES               |
| Force Defrosting                            | YES               | YES               | YES               | YES               |
| Auxiliary Electrical Heater                 | NO                | NO                | NO                | YES               |
| Energy Saving                               | YES               | YES               | YES               | YES               |
| 8°C Heating Mode                            | YES               | YES               | YES               | YES               |
| Turbo Cooling                               | YES               | YES               | YES               | YES               |
| High-Voltage Electrostatic Dedust           | NO                | NO                | NO                | NO                |
| Low Ambient Cooling                         | YES               | YES               | YES               | YES               |
| Low Ambient Heating                         | YES               | YES               | YES               | YES               |
| Low Voltage Startup                         | YES               | YES               | NO                | YES               |
| Standby                                     | NO                | NO                | YES               | NO                |



# FREE MATCH

## Air Conditioner DUCT TYPE INDOOR

R410A

### TECHNICAL SPECIFICATIONS: INDOOR UNIT

| INDOOR UNIT MODEL             |           | GFH<09>EA-D3DNA1A/I | GFH<12>EA-D3DNA1A/I | GFH<18>EA-D3DNA1A/I | GFH<21>EA-D3DNA1A/I | GFH<24>EA-D3DNA1A/I |
|-------------------------------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Rated horse power             | HP        | 1.0                 | 1.5                 | 2.0                 | 2.5                 | 3.0                 |
| Cooling capacity              | Btu/h     | 9000                | 12000               | 18089               | 21502               | 23000               |
| Power supply                  | V, Ph, Hz | 230, 1, 60          | 230, 1, 60          | 230, 1, 60          | 230, 1, 60          | 230, 1, 60          |
| Sound pressure level (H/M/L)  | dB(A)     | 37/34/31            | 39/35/32            | 41/37/33            | 42/38/34            | 42/38/34            |
| Air flow volume               | CFM       | 264.825             | 323.675             | 411.95              | 588.5               | 588.5               |
| Fan motor drive type          | -         | directly drive      | directly drive      | directly drive      | directly drive      | directly drive      |
| Fan motor power output        | W         | 40                  | 49                  | 75                  | 22.5                | 22.5                |
| Fan motor full load amp (FLA) | A         | 0.28                | 0.31                | 0.41                | 0.5                 | 0.5                 |
| Drainage connection size      | mm        | 26                  | 26                  | 26                  | 26                  | 26                  |
| Outline dimension (WxHxD)     | mm        | 700×615×200         | 700×615×200         | 900×615×200         | 1100×615×200        | 1100×615×200        |
| Package dimension (LxWxH)     | mm        | 893×743×305         | 893×743×305         | 1123×743×305        | 1323×743×305        | 1323×743×305        |
| Net weight                    | kg        | 22                  | 23                  | 27                  | 31                  | 31                  |
| Gross weight                  | kg        | 27.0                | 29.0                | 36.0                | 41.0                | 41.0                |
| Loading quantity 40'GP/40'HQ  | unit      | 234.0 / 234         | 234.0 / 234         | 192.0 / 192         | 162.0 / 162         | 162.0 / 162         |

### TECHNICAL SPECIFICATIONS: INDOOR UNIT

| INDOOR UNIT MODEL             |           | GFH<09>DA-D3DNA1A/I | GFH<12>DA-D3DNA1A/I | GFH<18>DB-D3DNA1A/I | GFH<21>DB-D3DNA1A/I | GFH<24>DB-D3DNA1A/I |
|-------------------------------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Rated horse power             | HP        | 1.0                 | 1.5                 | 2.0                 | 2.5                 | 3.0                 |
| Cooling capacity              | Btu/h     | 9000                | 12000               | 18089               | 21502               | 23000               |
| Power supply                  | V, Ph, Hz | 230, 1, 60          | 230, 1, 60          | 230, 1, 60          | 230, 1, 60          | 230, 1, 60          |
| Cooling power input           | kW        | 0.09                | 0.09                | 0.16                | 0.16                | 0.21                |
| Sound pressure level (H/M/L)  | dB(A)     | 30/27/25            | 33/29/26            | 33/29/26            | 33/29/26            | 36/32/28            |
| Air flow volume               | CFM       | 253.055             | 288.365             | 411.95              | 411.95              | 559.075             |
| Standard static pressure      | Pa        | 60                  | 60                  | 90                  | 90                  | 90                  |
| Max. static pressure          | Pa        | 150                 | 150                 | 200                 | 200                 | 200                 |
| Fan motor drive type          | -         | Direct Drive        | Direct Drive        | Direct Drive        | Direct Drive        | Direct Drive        |
| Fan motor power output        | W         | 150                 | 150                 | 200                 | 200                 | 200                 |
| Fan motor full load amp (FLA) | A         | /                   | /                   | /                   | /                   | /                   |
| Drainage connection size      | mm        | φ25                 | φ25                 | φ25                 | φ25                 | φ25                 |
| Outline dimension (WxHxD)     | mm        | 830×754×300         | 830×754×300         | 1130×754×300        | 1130×754×300        | 1130×754×300        |
| Package dimension (LxWxH)     | mm        | 897×808×360         | 897×808×360         | 1205×813×360        | 1205×813×360        | 1205×813×360        |
| Net weight                    | kg        | 32.0                | 32.0                | 42.0                | 42.0                | 42.0                |
| Gross weight                  | kg        | 38.0                | 38.0                | 48.5                | 48.5                | 48.5                |
| Loading quantity 40'GP/40'HQ  | unit      | 168 / 196           | 168 / 196           | 138 / 161           | 138 / 161           | 138 / 161           |

PRODUCT WARRANTY: 5 years on compressor and 1 year on parts.



# FREE MATCH

## Air Conditioner Floor Ceiling Indoor



### TECHNICAL SPECIFICATIONS: INDOOR UNIT

| INDOOR UNIT MODEL             |           | GTH<09>CA-D3DNA1A/I | GTH<12>CA-D3DNA1A/I | GTH<18>CA-D3DNA1A/I | GTH<24>CB-D3DNA2A/I |
|-------------------------------|-----------|---------------------|---------------------|---------------------|---------------------|
| Rated horse power             | HP        | 1.0                 | 1.5                 | 2.0                 | 2.5                 |
| Cooling capacity              | Btu/h     | 9000                | 12000               | 18089               | 21502               |
| Power supply                  | V, Ph, Hz | 230, 1, 60          | 230, 1, 60          | 230, 1, 60          | 230, 1, 60          |
| Cooling power input           | kW        | 0.04                | 0.04                | 0.04                | 0.06                |
| Sound pressure level (H/M/L)  | dB(A)     | 35/30/26            | 35/30/26            | 35/30/27            | 35/31/27            |
| Air flow volume               | CFM       | 359                 | 359                 | 347.215             | 511.995             |
| Standard static pressure      | Pa        | 0                   | 0                   | 0                   | 0                   |
| Max. static pressure          | Pa        | 0                   | 0                   | 0                   | 0                   |
| Fan motor drive type          | -         | Direct              | Direct              | Direct              | Direct              |
| Fan motor power output        | W         | 15                  | 15                  | 15                  | 20                  |
| Fan motor full load amp (FLA) | A         | 0.28                | 0.28                | /                   | 0.32                |
| Drainage connection size      | mm        | φ17                 | φ17                 | φ17                 | φ17                 |
| Outline dimension (WxHxD)     | mm        | 870×235×665         | 870×235×665         | 870×235×665         | 1200×235×665        |
| Package dimension (LxWxH)     | mm        | 1033×770×300        | 1033×770×300        | 1033×770×300        | 1363×770×300        |
| Net weight                    | kg        | 25.0                | 25.0                | 25.5                | 33.0                |
| Gross weight                  | kg        | 30.0                | 30.0                | 30.5                | 40.0                |
| Loading quantity 40'GP/40'HQ  | unit      | 231 / 264           | 231 / 264           | 231 / 264           | 175 / 200           |

PRODUCT WARRANTY: 5 years on compressor and 1 year on parts.



# FREE MATCH

## Air Conditioner Cassette Indoor

### TECHNICAL SPECIFICATIONS: INDOOR UNIT

| INDOOR UNIT MODEL             |           | GKH<12>BB-D3DNA3A/I | GKH<18>BB-D3DNA3A/I | GKH<24>BC-D3DNA4A/I |
|-------------------------------|-----------|---------------------|---------------------|---------------------|
| Rated horse power             | HP        | 1.5                 | 2.0                 | 2.5                 |
| Cooling capacity              | Btu/h     | 12000               | 18089               | 21502               |
| Power supply                  | V, Ph, Hz | 230, 1, 60          | 230, 1, 60          | 230, 1, 60          |
| Cooling power input           | kW        | 0.03                | 0.04                | 0.065               |
| Sound pressure level (H/M/L)  | dB(A)     | 41/38/34            | 45/41/35            | 45/41/36            |
| Air flow volume               | CFM       | 329.56              | 394.295             | 717.97              |
| Standard static pressure      | Pa        | 0                   | 0                   | 0                   |
| Max. static pressure          | Pa        | 0                   | 0                   | 0                   |
| Fan motor drive type          | -         | Direct              | Direct              | Direct              |
| Fan motor power output        | W         | 45                  | 45                  | 45                  |
| Fan motor full load amp (FLA) | A         | 0.5                 | 0.8                 | 0.5                 |
| Drainage connection size      | mm        | φ25                 | φ25                 | φ25                 |
| Outline dimension (WxHxD)     | mm        | 596×596×240         | 596×596×240         | 840×840×240         |
| Package dimension (LxWxH)     | mm        | 778×738×300         | 778×738×300         | 963×963×325         |
| Net weight                    | kg        | 20.0                | 20.0                | 26.0                |
| Gross weight                  | kg        | 24.0                | 24.0                | 32.0                |
| Loading quantity 40'GP/40'HQ  | unit      | 329 / 376           | 329 / 376           | 168 / 192           |
| Panel outline (WxDxH)         | mm        | 670×670×50          | 670×670×50          | 950×950×60          |
| Panel package (WxDxH)         | mm        | 763×763×105         | 763×763×105         | 1033×1038×133       |
| Net Weight                    | kg        | 5                   | 5                   | 11                  |

PRODUCT WARRANTY: 5 years on compressor and 1 year on parts.