

**gmc aircon**  
Airconditioning

**gmc thermal solutions**  
Water Heat Pump



**R410A**  
**Inverter**

**R407C**

## GMC R410A Mid-Wall Split Fix-speed

| Models                          |           |         | GMC09EFS              | GMC12EFS              | GMC18EFS              | GMC24EFS              |
|---------------------------------|-----------|---------|-----------------------|-----------------------|-----------------------|-----------------------|
| Type                            |           |         | Mid-wall              | Mid-wall              | Mid-wall              | Mid-wall              |
| Cooling capacity                |           | btu     | 9000                  | 12000                 | 18000                 | 22150                 |
|                                 |           | W       | 2640                  | 3520                  | 5280                  | 6490                  |
| Heating capacity                |           | btu     | 9520                  | 12526                 | 18533                 | 23413                 |
|                                 |           | W       | 2790                  | 3670                  | 5430                  | 6860                  |
| <b>Electrical Data</b>          |           |         |                       |                       |                       |                       |
| Power Supply                    |           | V       | 220-240Volts/50Hz/1Ph | 220-240Volts/50Hz/1Ph | 220-240Volts/50Hz/1Ph | 220-240Volts/50Hz/1Ph |
| <b>Rated Input Power</b>        |           |         |                       |                       |                       |                       |
| Cooling                         |           | W       | 850                   | 1132                  | 1665                  | 2060                  |
| Heating                         |           | W       | 725                   | 1180                  | 1535                  | 1965                  |
| <b>Rated Current</b>            |           |         |                       |                       |                       |                       |
| Cooling                         |           | A       | 3.8                   | 5                     | 7.5                   | 9.3                   |
| Heating                         |           | A       | 3.2                   | 5.2                   | 6.9                   | 8.9                   |
| EER/COP                         |           |         | 3.11/3.85             | 3.11/3.11             | 3.17/3.54             | 3.15/3.49             |
| Rated EER class                 |           |         | B                     | B                     | B                     | B                     |
| <b>Noise levels/circulation</b> |           |         |                       |                       |                       |                       |
| Indoor noise level              | High      | dB(A)   | 39                    | 40                    | 44                    | 45                    |
| Indoor air circulation          | High      | m³/h    | 550                   | 700                   | 850                   | 1200                  |
| Moisture removal                |           | L/hour  | 1                     | 1.3                   | 1.8                   | 2.4                   |
| Outdoor noise level             |           | dB(A)   | 51                    | 52                    | 56                    | 57                    |
| <b>Electrical Connections</b>   |           |         |                       |                       |                       |                       |
| Inter-connecting wires          |           | Core    | 4 + earth             | 4 + earth             | 4 + earth             | 4 + earth             |
| Defrost                         |           | Core    | fuzzy logic           | fuzzy logic           | fuzzy logic           | fuzzy logic           |
| Controller                      | Type      |         | Infra-red remote      | Infra-red remote      | Infra-red remote      | Infra-red remote      |
| <b>Outdoor/refrigeration</b>    |           |         |                       |                       |                       |                       |
| Compressor                      | Type      | R410A   |                       |                       |                       |                       |
| Pipe sizes                      | Gas       | Inches  | 3/8"                  | 3/8"                  | 1/2"                  | 5/8"                  |
|                                 | Liquid    | Inches  | 1/4"                  | 1/4"                  | 1/4"                  | 1/4"                  |
| Factory holding charge          |           | grams   | 560g                  | 600g                  | 1170g                 | 1400g                 |
| Additional ref/m after          | 5m        | grams/m | 20g                   | 20g                   | 30g                   | 30g                   |
| Max pipe run                    | length    | m       | 15                    | 15                    | 15                    | 15                    |
|                                 | height    | m       | 5                     | 5                     | 5                     | 5                     |
| <b>Indoor Dimensions</b>        |           |         |                       |                       |                       |                       |
| Net                             | W x H x D | mm      | 777x250x205           | 777x250x205           | 910x292x205           | 1010x315x220          |
| Packaged                        | W x H x D | mm      | 848x318x277           | 848x318x277           | 977x370x275           | 1094x391x294          |
| Weight                          | net/gross | kg      | 8/11                  | 8/11                  | 10/13                 | 13/16                 |
| <b>Outdoor Dimensions</b>       |           |         |                       |                       |                       |                       |
| Net                             | W x H x D | mm      | 600x500x230           | 700x550x256           | 780x605x290           | 820x605x300           |
| Packaged                        | W x H x D | mm      | 705x550x320           | 803x600x361           | 883x653x412           | 920x635x402           |
| Weight                          | net/gross | kg      | 24/28                 | 25/30                 | 39/44                 | 43/50                 |

Cooling and heating capacities are based on the following conditions:

Cooling:

Indoor temperature - 27°C DB/ 19°C WB

Outdoor Temperature - 35°C DB/ 24°C WB

Heating:

Indoor Temperature - 20°C DB/

Outdoor Temperature - 7°C DB/ 6°C WB



## FEATURES



R410a Green Refrigerant



Quiet Operation



Timer Mode



Automatic Defrost



Independent Dehumidification



Auto-protection



Sleep Mode



Anti-cold Air



Auto Restart



High Efficient Internal Thread Copper Pipe



LED Display



## GMC Under-ceiling Fix Speed

| Models                          |           |         | GMCAUC36RA2        | GMCAUC60RA2         |
|---------------------------------|-----------|---------|--------------------|---------------------|
| Type                            |           |         | Under-ceiling      | Under-ceiling       |
| Cooling capacity                |           | btu     | 36000              | 60000               |
|                                 |           | W       | 10600              | 17600               |
| Heating capacity                |           | btu     | 40000              | 63122               |
|                                 |           | W       | 11700              | 18500               |
| <b>Electrical Data</b>          |           |         |                    |                     |
| Power Supply                    |           | V       | 220-240V~ 50Hz 1ph | 380-4150V~ 50Hz 3ph |
| <b>Rated Input Power</b>        |           |         |                    |                     |
| Cooling                         |           | W       | 3770               | 5710                |
| Heating                         |           | W       | 3500               | 5970                |
| <b>Rated Current</b>            |           |         |                    |                     |
| Cooling                         |           | A       | 17.3               | 10.42               |
| Heating                         |           | A       | 16.6               | 10.83               |
| <b>Noise levels/circulation</b> |           |         |                    |                     |
| Indoor noise level              | H/M/L     | dB(A)   | 50/47/41           | 51/48/42            |
| Indoor Air circulation          | H/M/L     | m³/h    | 1500/1200/1050     | 1800/1440/1260      |
| Static pressure/ducted outdoor  |           | Pa      | N/A                | N/A                 |
|                                 |           | dB(A)   | 60                 | 60                  |
| Moisture removal                |           | L/hour  | 3.5                | 4.5                 |
| Compressor                      | Type      |         | Twin Rotary        | Twin Rotary         |
| Power cable to indoor           |           | Core    | 2 + earth          | 2 + earth           |
| Inter-connecting wires          |           | Core    | 2 + earth          | 2 + earth           |
| Defrost                         |           | Core    | 2                  | 2                   |
| Controller                      | Type      |         | Infra-Red          | Infra-Red           |
| Outdoor/refrigeration           | Type      | R410A   |                    |                     |
| Pipe sizes                      | Gas       | Inches  | 5/8"               | 3/4"                |
|                                 | Liquid    | Inches  | 3/8"               | 3/8"                |
| Factory holding charge          |           | grams   | 2200               | 2900                |
| Additional ref/m after          | 5m        | grams/m | 50                 | 50                  |
| Max pipe run                    | length    | m       | 30                 | 50                  |
|                                 | height    | m       | 20                 | 30                  |
| <b>Dimensions</b>               |           |         |                    |                     |
| <b>Indoor Dimensions</b>        |           |         |                    |                     |
| Net                             | W x H x D | mm      | 1280x660x205       | 1631x660x205        |
| Packaged                        | W x H x D | mm      | 1360x720x290       | 170x720x290         |
| Weight                          | net/gross | kg      | 33/40              | 44/52               |
| <b>Outdoor Dimensions</b>       |           |         |                    |                     |
| Net                             | W x H xD  | mm      | 970x803x395        | 940x1366x368        |
| Packaged                        | W x H x D | mm      | 1090x855x480       | 1080x1500x460       |
| Weight                          | net/gross | kg      | 68/73              | 102/113             |

Cooling and heating capacities are based on the following conditions:

**Cooling:**

Indoor temperature - 27°C DB/ 19°C WB

Outdoor Temperature - 35°C DB/ 24°C WB

**Heating:**

Indoor Temperature - 20°C DB/

Outdoor Temperature - 7°C DB/ 6°C WB



## FEATURES

-  R410a Green Refrigerant
-  Quiet Operation
-  Timer Mode
-  Automatic Defrost
-  Independent Dehumidification
-  Auto-protection
-  Sleep Mode
-  Anti-cold Air
-  Auto Restart
-  High Efficient Internal Thread Copper Pipe
-  LED Display



## GMC R410a Mid-wall Inverter Splits

| Models                          |           |         | GMC09EAVG          | GMC12EVG           | GMC18EAVG          | GMC24EAVG          | GMC30TEVG          |
|---------------------------------|-----------|---------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Type                            |           |         | Mid-wall           | Mid-wall           | Mid-wall           | Mid-wall           | Mid-wall           |
| Cooling capacity                |           | btu     | 9044(3413-10068)   | 11228(3413-13550)  | 18737(6143-19454)  | 24000(5120-27304)  | 32000(7500-32700)  |
|                                 |           | W       | 2650(1000~2950)    | 3290(1000~3970)    | 5490(1800~5700)    | 7035(1500~8000)    | 9376(2195~9580)    |
| Heating capacity                |           | btu     | 9522(3413-10240)   | 11092(3413-13618)  | 19113(6143-22184)  | 24232(5120-29010)  | 32498(8190-34120)  |
|                                 |           | W       | 2790(1000~3000)    | 3250(1000~3990)    | 5600(1800~6500)    | 7100(1500~8500)    | 9522(2400~9997)    |
| <b>Electrical Data</b>          |           |         |                    |                    |                    |                    |                    |
| Power Supply                    |           | V       | 220-240V~ 50Hz 1ph | 220-240V~ 50Hz 1ph | 220-240V~ 50Hz 1ph | 220-240V~ 50Hz 1ph | 220-240V~ 50Hz 1ph |
| <b>Rated Input Power</b>        |           |         |                    |                    |                    |                    |                    |
| Cooling                         |           | W       | 825(320~1200)      | 1070(320~1400)     | 1710(500~2100)     | 2095(350~3200)     | 2650(540~3100)     |
| Heating                         |           | W       | 800(320~1200)      | 1055(320~1430)     | 1660(500~2350)     | 2215(300~3200)     | 2680(640~3650)     |
| <b>Rated Current</b>            |           |         |                    |                    |                    |                    |                    |
| Cooling                         |           | A       | 3.7                | 5                  | 7.8                | 9.1                | 12.1               |
| Heating                         |           | A       | 3.5                | 4.9                | 7.5                | 10.2               | 12.3               |
| EER/COP                         |           |         | 3.21/3.49          | 3.07/3.08          | 3.21/3.37          | 3.36/3.21          | N/A                |
| Rated EER class                 |           |         | A                  | B                  | A                  | A                  | N/A                |
| <b>Noise levels/circulation</b> |           |         |                    |                    |                    |                    |                    |
| Indoor noise levels             | High      | dB(A)   | 37                 | 38                 | 42                 | 48                 | 49                 |
| Indoor Air circulation          |           | m³/h    | 550                | 650                | 850                | 1200               | 1450               |
| Moisture removal                |           | L/hour  | 1                  | 1.3                | 1.8                | 2.6                | 2.5                |
| Outdoor noise levels            |           | dB(A)   | 50                 | 51                 | 54                 | 59                 | 60                 |
| <b>Electrical Connections</b>   |           |         |                    |                    |                    |                    |                    |
| Inter-connecting wires          |           | Core    | 3 + earth          | 3 + earth          | 3 + earth          | 3 + earth          | 3 + earth          |
| Defrost                         |           | Core    | Fuzzy logic        | Fuzzy logic        | Fuzzy logic        | Fuzzy logic        | Fuzzy logic        |
| Controller                      | Type      |         | Infra-red remote   | Infra-red remote   | Infra-red remote   | Infra-red remote   | Infra-red remote   |
| <b>Outdoor/refrigeration</b>    |           |         |                    |                    |                    |                    |                    |
| Compressor                      | Type      |         | Rotary             | Rotary             | Rotary             | Rotary             | Rotary             |
| Pipe sizes                      | Gas       | Inches  | 3/8"               | 3/8"               | 1/2"               | 5/8"               | 5/8"               |
|                                 | Liquid    | Inches  | 1/4"               | 1/4"               | 1/4"               | 1/4"               | 3/8"               |
| Factory holding charge          |           | grams   | 520                | 610                | 1350               | 2000               | 2700               |
| Additional ref/m after          | 5m        | grams/m | 20                 | 20                 | 30                 | 30                 | 35                 |
| Min/maximum pipe run            | length    | m       | 3.0/15             | 3.0/15             | 3.0/20             | 3.0/25             | 3.0/30             |
|                                 | height    | m       | 5                  | 5                  | 5                  | 5                  | 8                  |
| <b>Dimensions</b>               |           |         |                    |                    |                    |                    |                    |
| Indoor                          | W x H x D | mm      | 698x255x190        | 777x250x205        | 910x292x205        | 1010x315x220       | 1186x340x338       |
| Packaging                       | W x H x D | mm      | 762x323x269        | 848x318x277        | 977x370x275        | 1094x391x294       | 1265x415x338       |
| Weight                          | net/gross | kg      | 6/8                | 8/11               | 10/13              | 13/16              | 18/23              |
| Outdoor                         | W x H x D | mm      | 700x550x256        | 700x500x256        | 780x605x290        | 900x650x315        | 900x805x360        |
| Packaging                       | W x H x D | mm      | 803x600x361        | 803x600x361        | 883x653x412        | 1015x720x425       | 1031x825x447       |
| Weight                          | net/gross | kg      | 25/29              | 26/30              | 37/42              | 45/54              | 59/63              |

Cooling and heating capacities are based on the following conditions:

### Cooling:

Indoor temperature - 27°C DB/ 19°C WB

Outdoor Temperature - 35°C DB/ 24°C WB

### Heating:

Indoor Temperature - 20°C DB/

Outdoor Temperature - 7°C DB/ 6°C WB



## Feature

-  ECO Energy Saving Technology
-  R410a Green Refrigerant
-  Automatic Defrost
-  Sleep Mode
-  High Efficient Internal Thread Copper Pipe
-  Quiet Operation
-  Independent Dehumidification
-  Anti-cold Air
-  Timer Mode
-  Auto-protection
-  Auto Restart
-  LED Display



## GMC Cassette Inverter Type

| Models                          |           |         | GMCACA18AVG                | GMCACA24AVG                | GMCACA36AVG                | GMCACA48AVG                | GMCACA60AVG                |
|---------------------------------|-----------|---------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Type                            |           |         | Cassette                   | Cassette                   | Cassette                   | Cassette                   | Cassette                   |
| Cooling capacity                |           | btu     | 18000(5220-19100)          | 24000(7400-28000)          | 36000(9900-41000)          | 48000(14000-54600)         | 55000(16400-59000)         |
|                                 |           | W       | 5274(1530-5600)            | 7000(2160-8200)            | 10550(2900-12000)          | 14000(4100-16000)          | 16100(4800-17300)          |
| Heating capacity                |           | btu     | 19100(4800-21200)          | 27300(6800-31800)          | 39900(8900-41000)          | 55000(15700-59700)         | 60000(16700-63100)         |
|                                 |           | W       | 5600(1400-6200)            | 8000(1980-9300)            | 11690(2600-13200)          | 16000(4600-17500)          | 17000(4900-18500)          |
| <b>Electrical Data</b>          |           |         |                            |                            |                            |                            |                            |
| Power Supply                    |           | V       | 220-240V~, 50Hz 1ph        | 220-240V~, 50Hz 1ph        | 220-240V~, 50Hz 1ph        | 380-415V~, 50Hz 3ph        | 380-415V~, 50Hz 3ph        |
| Rated Input Power               |           |         |                            |                            |                            |                            |                            |
| Cooling                         |           | W       | 1650                       | 2190                       | 3300                       | 4950                       | 5710                       |
| Heating                         |           | W       | 1640                       | 2350                       | 3500                       | 4570                       | 4960                       |
| Rated Current                   |           |         |                            |                            |                            |                            |                            |
| Cooling                         |           | A       | 7.17                       | 9.55                       | 14.33                      | 13.22                      | 15.71                      |
| Heating                         |           | A       | 7.11                       | 10.24                      | 15.22                      | 13.19                      | 16                         |
| <b>Noise levels/circulation</b> |           |         |                            |                            |                            |                            |                            |
| Indoor noise levels             | H/M/L     | dB(A)   | 45/42/36                   | 50/45/39                   | 51/48/46                   | 52/47/41                   | 55/49/45                   |
| Indoor Air circulation          | H/M/L     | m³/h    | 700/600/530                | 1300/1050/950              | 1700/1500/1370             | 1800/1550/1350             | 1930/1650/1450             |
| Moisture removal                |           | L/hour  | 1.5                        | 2                          | 3.5                        | 3.8                        | 4.5                        |
| outdoor                         |           | dB(A)   | 55                         | 58                         | 59                         | 60                         | 60                         |
| <b>Electrical Connections</b>   |           |         |                            |                            |                            |                            |                            |
| Inter-connecting wires          |           | Core    | 2 + earth                  | 2 + earth                  | 2 + earth                  | 2 + earth                  | 2 + earth                  |
| Power to indoor                 |           | Core    | 2 + Earth                  | 2 + Earth                  | 2 + Earth                  | 2 + Earth                  | 2 + Earth                  |
| Defrost                         |           |         | None                       | None                       | None                       | None                       | None                       |
| Controller                      | Type      |         | Infra-red / Wired optional | Infra-red / Wired optional | Infra-red / Wired optional | Infra-red / Wired optional | Infra-red / Wired optional |
| <b>Outdoor/refrigeration</b>    |           |         |                            |                            |                            |                            |                            |
| Outdoor/refrigeration           | Type      | R410A   |                            |                            |                            |                            |                            |
| Compressor                      | Type      |         | Rotary                     | Rotary                     | Rotary                     | Rotary                     | Rotary                     |
| Pipe sizes                      | Gas       | Inches  | 1/2"                       | 5/8"                       | 5/8"                       | 3/4"                       | 3/4"                       |
|                                 | Liquid    | Inches  | 1/4"                       | 3/8"                       | 3/8"                       | 3/8"                       | 3/8"                       |
| Factory holding charge          |           | grams   | 1300                       | 1900                       | 2450                       | 3250                       | 3450                       |
| Additional ref/m after          | 5m        | grams/m | 20                         | 30                         | 40                         | 40                         | 40                         |
| Max pipe run                    | length    | m       | 30                         | 30                         | 30                         | 50                         | 50                         |
|                                 | height    | m       | 20                         | 20                         | 20                         | 30                         | 30                         |
| <b>Indoor Dimensions</b>        |           |         |                            |                            |                            |                            |                            |
| <b>Indoor</b>                   |           |         |                            |                            |                            |                            |                            |
| Net                             | W x H x D | mm      | 570x570x260                | 835x835x250                | 840x840x288                | 840x840x288                | 840x840x288                |
| Packaged                        | W x H x D | mm      | 650x650x290                | 910x910x310                | 910x910x350                | 910x910x350                | 910x910x350                |
| Weight                          | net/gross | kg      | 17/20                      | 24/27.5                    | 28/33                      | 31/35                      | 31/35                      |
| <b>Indoor panel</b>             |           |         |                            |                            |                            |                            |                            |
| Net                             | W x H x D | mm      | 650x650x55                 | 950x950x55                 | 950x950x55                 | 950x950x55                 | 950x950x55                 |
| Packaged                        | W x H x D | mm      | 710x710x80                 | 1000x1000x100              | 1000x1000x100              | 1000x1000x100              | 1000x1000x100              |
| Weight                          | net/gross | kg      | 3/5                        | 5/7                        | 5/7                        | 5/7                        | 5/7                        |
| <b>Outdoor Dimensions</b>       |           |         |                            |                            |                            |                            |                            |
| Net                             | W x H x D | mm      | 800x530x286                | 900x700x350                | 900x700x350                | 940x1324x372               | 940x1324x372               |
| Packaged                        | W x H x D | mm      | 920x620x400                | 1020x770x430               | 1020x770x430               | 1080x1440x430              | 1080x1440x430              |
| Weight                          | net/gross | kg      | 40/44                      | 40/44                      | 93/98                      | 108/118                    | 108/118                    |

Cooling and heating capacities are based on the following conditions:

### Cooling:

Indoor temperature - 27°C DB/ 19°C WB

Outdoor Temperature - 35°C DB/ 24°C WB

### Heating:

Indoor Temperature - 20°C DB/

Outdoor Temperature - 7°C DB/ 6°C WB

### Feature

 ECO Energy Saving Technology

 R410a Green Refrigerant

 Automatic Defrost

 Sleep Mode

 Quiet Operation

 Independent Dehumidification

 Anti-cold Air

 High Efficient Internal Thread Copper Pipe

 Timer Mode

 Auto-protection

 Auto Restart

 LED Display



## GMC Ducted split inverter type

| Models                          |           |         | GMCAUD36AVG        | GMCAUD60AVG        |
|---------------------------------|-----------|---------|--------------------|--------------------|
| Type                            |           |         | Ducted             | Ducted             |
| Cooling capacity                |           | btu     | 36000(9900-40900)  | 55000(16400-59000) |
|                                 |           | W       | 10550(2900-12000)  | 16000(4800-17300)  |
| Heating capacity                |           | btu     | 39900(8900-45000)  | 6000(16700-63100)  |
|                                 |           | W       | 11690(2600-13200)  | 17000(4900-18500)  |
| <b>Electrical Data</b>          |           |         |                    |                    |
| Power Supply                    |           | V       | 220V-240V~50Hz 1Ph | 380-415V~50Hz 3Ph  |
| Rated Input Power               |           |         |                    |                    |
| Cooling                         |           | W       | 3300               | 5610               |
| Heating                         |           | W       | 3500               | 4960               |
| Rated Current                   |           |         |                    |                    |
| Cooling                         |           | A       | 14.33              | 8.81               |
| Heating                         |           | A       | 15.53              | 7.78               |
| <b>Noise levels/circulation</b> |           |         |                    |                    |
| Indoor noise levels             | H/M/L     | dB(A)   | 47/45/44           | 57/53/47           |
| Indoor Air circulation          | H/M/L     | m³/h    | 1850/1600/1380     | 2030/1880/1670     |
| Static pressure/ducted          |           | Pa      | 160                | 120                |
| Moisture removal                |           | L/hour  | 3.5                | 4.5                |
| Outdoor                         |           | dB(A)   | 58                 | 60                 |
| <b>Connections</b>              |           |         |                    |                    |
| Inter-connecting wires          |           | Core    | 2 + earth          | 2 + earth          |
| Power to indoor                 |           | Core    | 2 + Earth          | 2 + Earth          |
| Defrost                         |           | Core    | None               | None               |
| Controller                      | Type      |         | Wired              | Wired              |
| <b>Outdoor/refrigeration</b>    |           |         |                    |                    |
| Compressor                      | Type      | R410A   |                    |                    |
| Pipe sizes                      | Gas       | Inches  | 5/8"               | 3/4"               |
|                                 | Liquid    | Inches  | 3/8"               | 3/8"               |
| Factory holding charge          |           | grams   | 2450               | 3450               |
| Additional ref/m after          | 5m        | grams/m | 40                 | 40                 |
| Max pipe run                    | length    | m       | 30                 | 50                 |
|                                 | height    | m       | 20                 | 30                 |
| <b>Indoor Dimensions</b>        |           |         |                    |                    |
| Net                             | W x H x D | mm      | 1400x245x700       | 1400x245x700       |
| Packaged                        | W x H x D | mm      | 1630x300x830       | 1630x300x830       |
| Weight                          | net/gross | kg      | 41/47              | 47.3/54            |
| <b>Outdoor Dimensions</b>       |           |         |                    |                    |
| Net                             | W x H x D | mm      | 900x700x350        | 940x1324x372       |
| Packaged                        | W x H x D | mm      | 1020x770x430       | 1070x1424x472      |
| Weight                          | net/gross | kg      | 93/97              | 108/118            |

Cooling and heating capacities are based on the following conditions:

### Cooling:

Indoor temperature - 27°C DB/ 19°C WB

Outdoor Temperature - 35°C DB/ 24°C WB

### Heating:

Indoor Temperature - 20°C DB/

Outdoor Temperature - 7°C DB/ 6°C WB



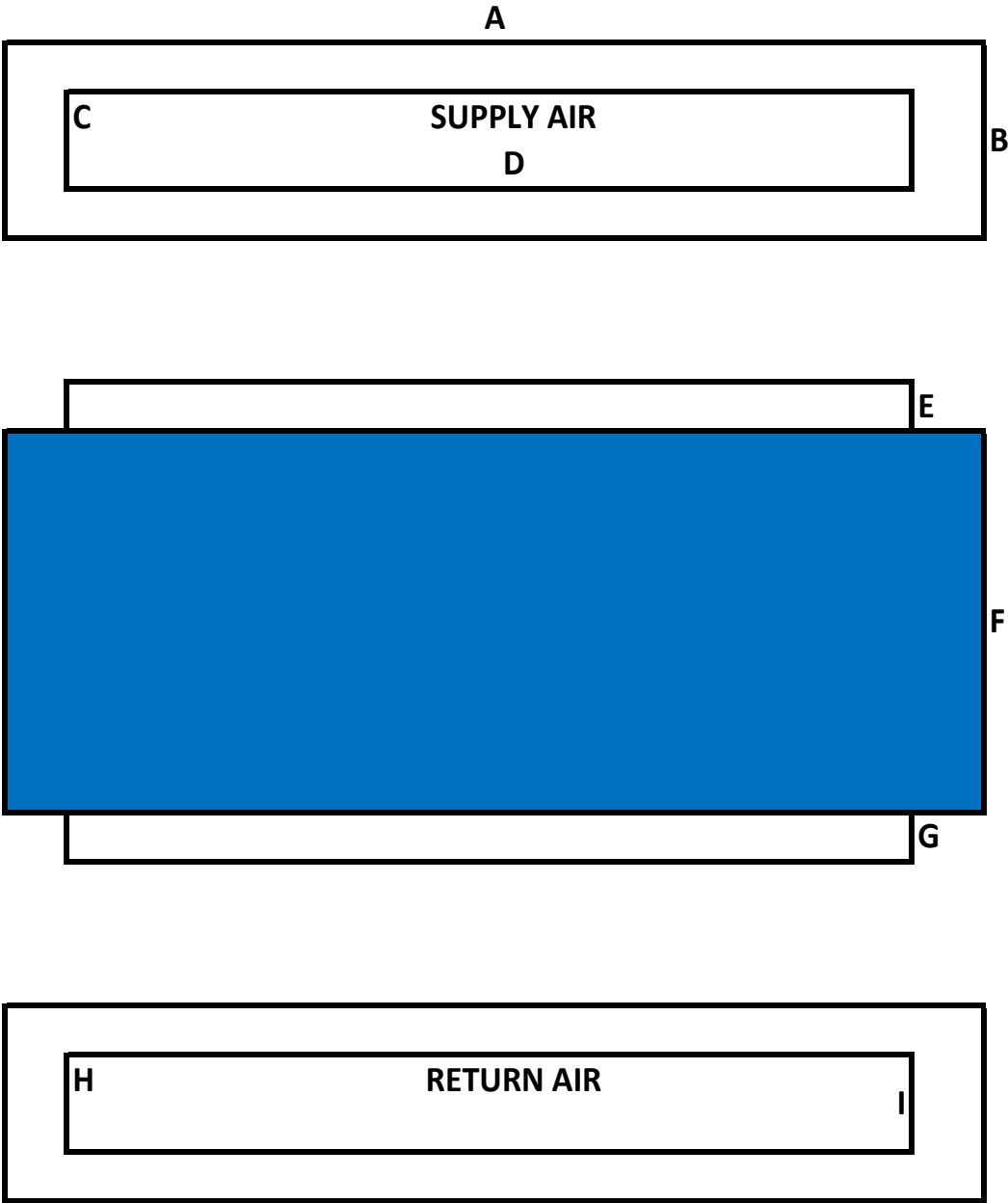
Wired Remote

## Feature

• Optional - condensate drain for 48k -60k



INVERTER COMMERCIAL DUCTED DIAGRAM



INVERTER COMMERCIAL DUCTED DIAGRAM

| MODELS  | A    | B   | C   | D    | E  | F   | G  | H   | I    |
|---------|------|-----|-----|------|----|-----|----|-----|------|
| AUD36VG | 1400 | 245 | 175 | 1215 | 25 | 700 | 25 | 210 | 1275 |
| AUD60VG | 1400 | 245 | 175 | 1215 | 25 | 700 | 25 | 210 | 1275 |

## GMC Under-ceiling split Inverter type

| Models                          |           |         | GMC AUC36AVG               | GMC AUC48AVG               | GMC AUC60AVG               |
|---------------------------------|-----------|---------|----------------------------|----------------------------|----------------------------|
| Type                            |           |         | Under-Ceiling              | Under-Ceiling              | Under-Ceiling              |
| Cooling capacity                |           | btu     | 36000(9900-40900)          | 48000(14000-54600)         | 5500(16400-59000)          |
|                                 |           | W       | 10550(2900-12000)          | 14000(4100-16000)          | 16100(4800-17300)          |
| Heating capacity                |           | btu     | 42650(8900-45000)          | 55000(15700-59700)         | 6000(16700-63100)          |
|                                 |           | W       | 11690(2600-13200)          | 16000(4600-17500)          | 17000(4900-18500)          |
| <b>Electrical Data</b>          |           |         |                            |                            |                            |
| Power Supply                    |           | V       | 220V-240V-50Hz 1Ph         | 380-415V-50Hz 3Ph          | 380-415V-50Hz 3Ph          |
| <b>Rated Input Power</b>        |           |         |                            |                            |                            |
| Cooling                         |           | W       | 3370(710-4710)             | 4950(1210-6480)            | 5800(1380-6850)            |
| Heating                         |           | W       | 3680(470-4130)             | 4570(920-5660)             | 4960(980-6000)             |
| <b>Rated Current</b>            |           |         |                            |                            |                            |
| Cooling                         |           | A       | 15                         | 7.8                        | 9.1                        |
| Heating                         |           | A       | 16.3                       | 7.2                        | 7.78                       |
| <b>Noise levels/circulation</b> |           |         |                            |                            |                            |
| Indoor noise levels             | H/L       | dB(A)   | 52/46                      | 52/46                      | 53/43                      |
| Indoor Air circulation          | H/M/L     | m³/h    | 1800/1550/1350             | 1900/1600/1400             | 1900/1600/1400             |
| Static pressure/ducted          |           | Pa      | N/A                        | N/A                        | N/A                        |
| Moisture removal                |           | L/hour  | 3.5                        | 3.8                        | 4.5                        |
| Outdoor Noise Levels            |           | dB(A)   | 63                         | 64                         | 64                         |
| <b>Electrical Connections</b>   |           |         |                            |                            |                            |
| Inter-connecting wires          |           | Core    | 2 + Earth                  | 2 + Earth                  | 2 + Earth                  |
| Power to indoor                 |           | Core    | 2 + Earth                  | 2 + Earth                  | 2 + Earth                  |
| Defrost                         |           | Core    | None                       | None                       | None                       |
| Controller                      | Type      |         | Infra-red / Wired optional | Infra-red / Wired optional | Infra-red / Wired optional |
| <b>Outdoor/refrigeration</b>    |           |         |                            |                            |                            |
| Type                            |           | R410A   |                            |                            |                            |
| Compressor                      | Type      |         | Rotary                     | Rotary                     | Rotary                     |
| Pipe sizes                      | Gas       | Inches  | 5/8"                       | 3/4"                       | 3/4"                       |
|                                 | Liquid    | Inches  | 3/8"                       | 3/8"                       | 3/8"                       |
| Factory holding charge          |           | grams   | 2450                       | 3250                       | 3450                       |
| Additional ref/m after          | 5m        | grams/m | 40                         | 40                         | 40                         |
| Max pipe run                    | length    | m       | 30                         | 50                         | 50                         |
|                                 | height    | m       | 20                         | 30                         | 30                         |
| <b>Indoor Dimensions</b>        |           |         |                            |                            |                            |
| Net                             | W x H x D | mm      | 1630x205x660               | 1630x205x660               | 1630x205x660               |
| Packaged                        | W x H x D | mm      | 170x290x720                | 170x290x720                | 170x290x720                |
| Weight                          | net/gross | kg      | 44/50                      | 44/50                      | 44/50                      |
| <b>Outdoor Dimensions</b>       |           |         |                            |                            |                            |
| Net                             | W x H x D | mm      | 900x700x350                | 940x1324x372               | 940x1324x372               |
| Packaged                        | W x H x D | mm      | 1020x770x430               | 1070x1424x472              | 1070x1424x472              |
| Weight                          | net/gross | kg      | 93/97                      | 108/118                    | 108/118                    |

Cooling and heating capacities are based on the following conditions:

### Cooling:

Indoor temperature - 27°C DB/ 19°C WB

Outdoor Temperature - 35°C DB/ 24°C WB

### Heating:

Indoor Temperature - 20°C DB/

Outdoor Temperature - 7°C DB/ 6°C WB

## Feature

 ECO Energy Saving Technology

 Quiet Operation

 Timer Mode

 R410a Green Refrigerant

 Independent Dehumidification

 Auto-protection

 Automatic Defrost

 Anti-cold Air

 Auto Restart

 Sleep Mode

 High Efficient Internal Thread Copper Pipe

 LED Display



Infra-red Remote



## **GMC EVAPORATIVE COOLER**

| <b><u>Models</u></b>          |                    | <b><u>AB18</u></b>       |
|-------------------------------|--------------------|--------------------------|
| Voltage                       | V                  | 220V/1ph/50Hz            |
| Running Current               | Amps               | 2.8A                     |
| Rated capacity                | m <sup>3</sup> /hr | 18000 m <sup>3</sup> /hr |
| Airflow variable capacity     | m <sup>3</sup> /hr | 9000 ~ 18 000            |
| ESP                           | Pa                 | 185                      |
| Variable speed fan motor      | Speeds             | 6                        |
| Fan motor                     |                    | DC Inverter type         |
| Fan type                      |                    | Axial                    |
| Fan size (diameter)           | mm                 | 590                      |
| Power cable connected         | m                  | 3                        |
| Digital, wall mounted control |                    | with 30 metre cable      |
| Water Pump type               |                    | Submersible              |
| Water Supply                  |                    | 1/2 " connection         |
| Water consumption             | L/hr               | Approx. 20 ~ 30          |
| Thickness of Celdek panels    | mm                 | 100                      |
| Air discharge size            | mm                 | 670 x 670                |
| Unit colour                   |                    | Grey                     |
| Casing material               |                    | UV treated Polypropelene |
| Unit Dimensions H x W x D     | mm                 | 1090 x 1070 x 1070       |

## **FEATURES**

- Efficient Cooling
- Fresh Air System
- Positive pressure reduces dust in area
- High Static Pressure:185Pa
- 6 Speed Fan
- Airflow 9000-18000m<sup>3</sup>/h
- Digital Wired Control



## PORTABLE EVAPORATIVE COOLER



### GMCAB20

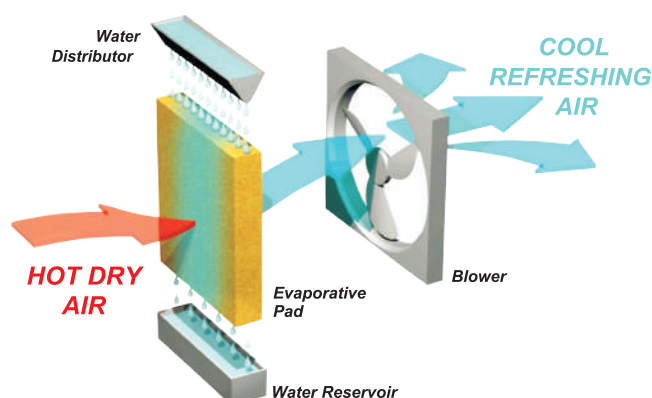
- Room Size 20 – 25m<sup>2</sup>
- 3 Fan speeds: high/med/low
- Honeycomb cooling pads for optimum cooling
- 4 way swing louvers right & left / up & down
- Large airflow & wider cooling area
- Energy saving, environment-friendly
- Easy to use, easy to clean and maintain



### GMCAB50

- Room Size: 40-60m<sup>2</sup>
- Fan speed: Axial / 3-speed
- Water level indicator
- Four wheels
- Automatic swing function

#### How EVAPORATIVE COOLING works



## PORTABLE AIRCONDITIONING

### GMCP10Y – Cooling only



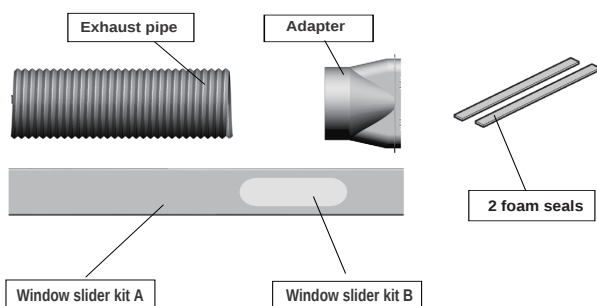
- Room size: 20-25m<sup>2</sup>
- Powerful cooling function
- Water auto-evaporated
- 24-hour timer
- Direct-wash filter
- Net dimension (mm):
- Easy window/wall connection

### Heating & Cooling – GMCP12RLA

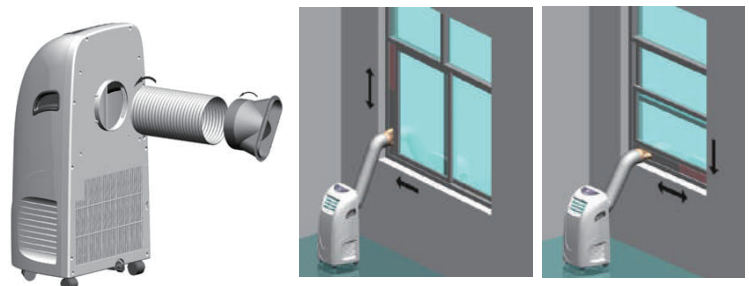
- Room size: 25-28m<sup>2</sup>
- Heating and Cooling function
- Water auto-evaporated
- 24-hour timer
- Direct-wash filter
- Net dimension (mm): 475x417x798
- Easy window/wall connection



#### Basic Installation Kit:



#### Basic Installation for both Portables:



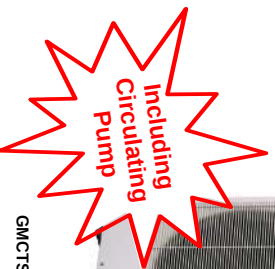
## GMC Thermal Solutions Industrial Air Source Heat Pump (R407C)

| Model No.                       |         | GT-SKR030B-07                     | GT-SKR050P-07       | GT-SKR070P-07       | GT-SKR100P-07       | GT-SKR150P-07       | GT-SKR200P-07       | GT-SKR300P-07       |
|---------------------------------|---------|-----------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| GMC Model No.                   |         | GMCTS10                           | GMCTS19             | GMCTS22             | GMCTS38             | GMCTS45             | GMCTS62             | GMCTS91             |
| Power supply                    | V/Ph/Hz | 220-240V~,50Hz                    | 380-415V, 3ph, 50Hz | 380-415V, 3ph, 50Hz | 380-415V, 3ph, 50Hz | 380-415V, 3ph, 50Hz | 380-415V, 3ph, 50Hz | 380-415V, 3ph, 50Hz |
| Heating capacity                | kW      | 10.5                              | 19                  | 22.8                | 38                  | 45.6                | 62                  | 91.2                |
| Hot water output                | L/h     | 225                               | 408                 | 490                 | 817                 | 980                 | 1333                | 1960                |
| Max input current               | Amp     | 22                                | 11.8                | 13                  | 23.6                | 28                  | 43.2                | 56                  |
| Max input power                 | W       | 4600                              | 7700                | 8500                | 15400               | 16500               | 18500               | 26400               |
| Standard input current          | Amp     | 12.3                              | 7                   | 10                  | 18.1                | 20                  | 37                  | 48                  |
| Standard input power            | W       | 2650                              | 4600                | 5700                | 9300                | 11500               | 15400               | 22000               |
| Max discharge pressure          | KPa     | 330                               | 3300                | 3300                | 3300                | 3300                | 3300                | 3300                |
| Max suction pressure            | KPa     | 800                               | 800                 | 800                 | 800                 | 800                 | 800                 | 800                 |
| Compressor type                 |         | Rotary                            | Scroll              | Scroll              | Scroll              | Scroll              | Scroll              | Scroll              |
| Compressor quantity             |         | 1                                 | 1                   | 1                   | 2                   | 2                   | 3                   | 4                   |
| Refrigerant                     | R407C   | Grams                             | 1550                | 2400                | 3000                | 2 x 2400            | 2 x 3000            | 3 x 3000            |
| Fan quantity                    |         | 1                                 | 1                   | 1                   | 2                   | 2                   | 3                   | 4                   |
| Refrigerant control             |         | Electronic expansion valve        |                     |                     |                     |                     |                     |                     |
| Defrosting                      |         | Four way valve reverse defrosting |                     |                     |                     |                     |                     |                     |
| Heat exchanger                  |         | Tube in shell heat exchanger      |                     |                     |                     |                     |                     |                     |
| Net weight                      | Kg      | 83                                | 122                 | 156                 | 230                 | 320                 | 455                 | 650                 |
| Size                            | WxDxH   | 1010x410x790                      | 820x690x1010        | 820x690x1010        | 1500x750x1010       | 1500x750x1010       | 2174x908x1510       | 2194x1090x2118      |
| Water connection                | Inches  | G1"                               | G1"                 | G1"                 | G1 1/4"             | G1 1/4"             | 3" flange           | 3" flange           |
| Min. water flow rate            | m³/h    | 1.8                               | 3.27                | 3.92                | 6.54                | 7.74                | 10.7                | 15.7                |
|                                 | l/m     | 30                                | 55                  | 65                  | 109                 | 129                 | 178                 | 262                 |
| Max. water flow rate (Min.*1.2) | m³/h    | 2.16                              | 3.92                | 4.7                 | 7.85                | 9.29                | 12.84               | 18.84               |
|                                 | l/m     | 36                                | 65                  | 78                  | 131                 | 155                 | 214                 | 314                 |
| Water pressure drop             | m       | 3.5                               | 7                   | 8                   | 8                   | 8                   | 8                   | 8.5                 |
| Noise level                     | dB(A)   | 54                                | ≤56                 | ≤56                 | ≤60                 | ≤60                 | ≤65                 | ≤65                 |
| Water temperature range         | °C      | 28~60                             | 28~60               | 28~60               | 28~60               | 28~60               | 28~60               | 28~60               |
| Rated water temperature         | °C      | 55                                | 55                  | 55                  | 55                  | 55                  | 55                  | 55                  |
| Working ambient temperature     | °C      | -7~43                             | -7~43               | -7~43               | -7~43               | -7~43               | -7~43               | -7~43               |

Standard test condition: Ambient temp.(DB/WB):20°C/15°C, water temp.(initial/final):15°C/55°C.

## FEATURES

- Multiple safeties
- High efficiency
- Reliable components
- All weather running
- Microcomputer control system
- Automatic fault diagnosis
- Auto defrost
- Environmental friendly
- 3 phase contactor for circulating pump
- control on all units from 19kw



GMCTS10kw / GT-SKR030B-07



GMCTS45kw / GT-SKR150P-07

