

## Alliance Neocool

MHP 09/12/18/22 NEO Midwall Split

**NEW**



- Available from 9000-22000btu
- Fixed speed non-inverter unit
- White finfish with silver strip
- Timer

# Alliance Neocool MHP 09/12/18/22 NEO Midwall Split

The NEW Alliance Neocool midwall split is a attractive unit in any space. With high cooling and heating capacities, as well as an EER of 3.19 and COP of 3.52, this midwall split is suitable for climate control of large indoor areas. A low indoor noise level of 41.7 dB(A) (on low setting) ensures exceptional quietness of operation. As with all Alliance models, the MHP NEO Split is backed by Fourways Airconditioning South Africa, with 9 branches nationwide.



| Indoor code                          |                                   |          | 22022011008561             | 22022011009701             | 22022011010219              | 22022011010220         |
|--------------------------------------|-----------------------------------|----------|----------------------------|----------------------------|-----------------------------|------------------------|
| Outdoor code                         |                                   |          | 22022016008522             | 22022016009462             | 22022016009980              | 22022016009981         |
| Model                                |                                   |          | MHP 09 NEO                 | MHP 12 NEO                 | MHP18 NEO                   | MHP 24 NEO             |
| V-Ph-Hz                              |                                   |          | 220-240V, 1Ph, 50Hz        |                            |                             |                        |
| Power supply                         | Capacity                          | Btu/h    | 9000                       | 12000                      | 18000                       | 22000                  |
|                                      | Input                             | W        | 813                        | 1164                       | 1621                        | 2056                   |
|                                      | Rated current                     | A        | 3.56                       | 5,15                       | 7.19                        | 9,18                   |
|                                      | EER                               | W/W      | 3.21                       | 3,02                       | 3.10                        | 3,1                    |
| Heating                              | Capacity                          | W        | 9000                       | 12000                      | 18000                       | 23000                  |
|                                      | Input                             | W        | 780                        | 1118                       | 1475                        | 2168                   |
|                                      | Rated current                     | A        | 3.42                       | 4,94                       | 6.61                        | 9,64                   |
|                                      | COP                               | W/W      | 3.41                       | 3,25                       | 3.39                        | 3,08                   |
| Max. input consumption               |                                   | W        | 1250                       | 1788                       | 2200                        | 3000                   |
| Max. current                         |                                   | A        | 6                          | 9.13                       | 11.5                        | 16                     |
| Starting current                     |                                   | A        | 20                         | 25                         | /                           | /                      |
| Compressor                           | Capacity                          | Btu/h    | 9451/9519                  | 13853/13853                | 18630/18766                 | 24959/25027            |
|                                      | Input                             | W        | 660/672                    | 955/995                    | 1295/1348                   | 1712/1752              |
|                                      | Rated current(RLA)                | A        | 3.05/2.85                  | 4.35/4.2                   | 6.05/5.88                   | 7.92/7.62              |
| Indoor fan motor                     | Input                             | W        | 40                         | 40,0                       | 55,00                       | 77                     |
|                                      | Capacitor                         | uF       | 1.2                        | 1.2                        | 2                           | 3                      |
|                                      | Speed((turbo)/Hi/Mi/Lo)           | r/min    | 1200/950/800               | 1150/950/800               | 1180/1000/850               | 1200/1000/850          |
| Indoor coil                          | b.Tube pitch(a)x row pitch(b)     | mm       | 21x13.37                   | 21x13.37                   | 21x13.37                    | 21x13.37               |
|                                      | c.Fin spacing                     | mm       | 1.2                        | 1.2                        | 1.2                         | 1,3                    |
|                                      | d.Fin type (code)                 |          | Hydrophilic aluminium      | Hydrophilic aluminium      | Hydrophilic aluminium       | Hydrophilic aluminium  |
|                                      | e.Tube outside dia.and type       | mm       | Ø7,innergroove tube        | Ø7,innergroove tube        | Ø7,innergroove tube         | Ø7,innergroove tube    |
|                                      | f.Coil length x height x width    | mm       | 510x84x13.37+510x189x26.74 | 598x210x26.74+598x84x13.37 | 750x294x26.74               | 780x315x26.74          |
|                                      | Indoor air flow((turbo)/Hi/Mi/Lo) | m³/h     | 450/392/311                | 506/401/324                | 850/685/556                 | 1000/890/730           |
| Indoor noise level((turbo)/Hi/Mi/Lo) |                                   | dB(A)    | 41/-/30                    | 39.5/33/28.5               | 44.4/39.4/34.1              | 46.6/44.3/39.6         |
| Indoor unit                          | Dimension(W*D*H)                  | mm       | 715x194x285                | 805x195x285                | 957x213x302                 | 1040x220x327           |
|                                      | Packing (W*D*H)                   | mm       | 780x270x360                | 870x360x270                | 1035x295x380                | 1120x310x405           |
|                                      | Net/Gross weight                  | Kg       | 7.6/9.8                    | 8.4/10.7                   | 10.6/14.1                   | 13.4/16.8              |
| Outdoor coil                         | Speed (HI)                        | r/min    | 850/770                    | 850/770                    | 890/830                     | 850/750                |
|                                      | b.Tube pitch(a)x row pitch(b)     | mm       | 21x13.37                   | 21x13.37                   | 21x13.37                    | 21x13.37               |
|                                      | c.Fin spacing                     | mm       | 1.2                        | 1.2                        | 1.4                         | 1.4                    |
|                                      | d.Fin type (code)                 |          | Hydrophilic aluminium      | Hydrophilic aluminium      | Hydrophilic aluminium       | Hydrophilic aluminium  |
|                                      | e.Tube outside dia.and type       | mm       | Ø7,innergroove tube        | Ø7,innergroove tube        | Ø7,innergroove tube         | Ø7,innergroove tube    |
|                                      | f.Coil length x height x width    | mm       | 680x504x13.37              | 744x504x13.37              | 755x504x26.74+685x504x26.74 | 780x651x40.11          |
| Outdoor noise level                  |                                   | dB(A)    | 55                         | 53.5                       | 60.1                        | 59.8                   |
| Outdoor unit                         | Dimension(W*D*H)                  | mm       | 700x275x550                | 770x300x555                | 770x300x555                 | 845x363x702            |
|                                      | Packing (W*D*H)                   | mm       | 815x325x615                | 900x345x585                | 900x345x615                 | 965x395x765            |
|                                      | Net/Gross weight                  | Kg       | 26.6/28.9                  | 30.8/33.2                  | 37.7/40.7                   | 54.2/57.3              |
| Refrigerant type                     |                                   | g        | R410A/660g                 | R410A/760                  | R410A/1200                  | R410A/2100             |
| Design pressure                      |                                   | MPa      | 4.2/1.5                    | 4.2/1.5                    | 4.2/1.5                     | 4.2/1.5                |
| Refrigerant piping                   | Liquid side/ Gas side             | mm(inch) | Ø6.35/Ø9.52(1/4"/3/8")     | Ø6.35/Ø12.7(1/4"/1/2")     | Ø6.35/Ø12.7(1/4"/1/2")      | Ø9.52/Ø15.9(3/8"/5/8") |
|                                      | Max. refrigerant pipe length      | m        | 20                         | 20                         | 20                          | 25                     |
|                                      | Max. difference in level          | m        | 8                          | 8                          | 8                           | 10                     |
| Thermostat type                      |                                   |          | Remote Control             | Remote Control             | Remote Control              | Remote Control         |
| Operation temperature                |                                   | °C       | 17-30                      | 17-30                      | 17-30                       | 17-30                  |
| Room temperature                     | Indoor(cooling/ heating)          | °C       | 17-32/0-30                 | 17-32/0-30                 | 17-32/0-30                  | 17-32/0-30             |
|                                      | Outdoor(cooling/heating)          | °C       | 18-43/-7-24                | 18-43/-7-24                | 18-43/-7-24                 | 18-43/-7-24            |
| Application area                     |                                   | m²       | 12-18                      | 16-23                      | 22-32                       | 29-42                  |

Alliance reserves the right to discontinue or change specifications at any time without notice and without incurring obligation. E&OE.