

Specifications

STANDARD HOME (MID-STATIC PRESSURE) DUCTED

| IDU<br>ODU                                |                                                 |         | PPIM-2.0UFA1NQ<br>PAS-2.0UFASNQ1 | PPIM-2.5UFA1NQ<br>PAS-2.5UFASNQ1 | PPIM-3.0UFA1NQ<br>PAS-3.0UFASNQ1 | PPIM-4.0UFA1NQ<br>PAS-4.0UFASNQ1 | PPIM-4.0UFA1NQ<br>PAS-4.0UFASMQ1 | PPIM-5.0UFA1NQ<br>PAS-5.0UFASNQ1 | PPIM-5.0UFA1NQ<br>PAS-5.0UFASMQ1 | PPIM-6.0UFA1NQ<br>PAS-6.0UFASNQ1 | PPIM-6.0UFA1NQ<br>PAS-6.0UFASMQ1 |
|-------------------------------------------|-------------------------------------------------|---------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Power supply (Indoor)                     |                                                 | V/Ph/Hz | 220-240~,50                      | 220-240~,50                      | 220-240~,50                      | 220-240~,50                      | 220-240~,50                      | 220-240~,50                      | 220-240~,50                      | 220-240~,50                      | 220-240~,50                      |
| Power supply (Outdoor)                    |                                                 | V/Ph/Hz | 220-240~,50                      | 220-240~,50                      | 220-240~,50                      | 220-240~,50                      | 380-415 3N~,50                   | 220-240~,50                      | 380-415 3N~,50                   | 220-240~,50                      | 380-415 3N~,50                   |
| Cooling                                   | Rated Capacity                                  | kW      | 5.0                              | 6.0                              | 7.2                              | 10.0                             | 10.0                             | 12.5                             | 12.5                             | 14.0                             | 14.0                             |
|                                           | Capacity Range[Min~Max]                         | kW      | 1.5~6.0                          | 1.5~7.5                          | 2.5~8.6                          | 3.2~12.0                         | 3.2~12.0                         | 4.0~14.2                         | 4.0~14.2                         | 5.0~16.0                         | 5.0~16.0                         |
| Heating                                   | Rated Capacity                                  | kW      | 6.0                              | 7.5                              | 8.6                              | 11.5                             | 11.5                             | 14.0                             | 14.0                             | 16.0                             | 16.0                             |
|                                           | Capacity Range[Min~Max]                         | kW      | 1.5~7.5                          | 1.5~9.0                          | 3.5~10.4                         | 3.5~14.0                         | 3.5~14.0                         | 4.0~16.2                         | 4.0~16.2                         | 5.5~18.0                         | 5.5~18.0                         |
| EER                                       | Cooling                                         |         | 3.90                             | 3.80                             | 3.65                             | 3.75                             | 3.75                             | 3.55                             | 3.55                             | 3.35                             | 3.35                             |
| COP                                       | Heating                                         |         | 4.10                             | 3.65                             | 4.10                             | 4.00                             | 4.00                             | 3.90                             | 3.90                             | 3.70                             | 3.70                             |
| TCSPF(Cooling)<br>Residential             | Hot                                             |         | 4.96                             | 4.79                             | 4.89                             | 4.89                             | 4.62                             | 4.89                             | 4.78                             | 4.71                             | 4.66                             |
|                                           | Average                                         |         | 4.39                             | 4.26                             | 4.43                             | 4.38                             | 4.05                             | 4.33                             | 4.24                             | 4.31                             | 4.19                             |
|                                           | Cold                                            |         | 4.41                             | 4.30                             | 4.50                             | 4.40                             | 4.02                             | 4.39                             | 4.28                             | 4.43                             | 4.27                             |
| HSPF(Heating)<br>Residential              | Hot                                             |         | 3.01                             | 3.06                             | 3.49                             | 3.22                             | 2.85                             | 3.01                             | 3.02                             | 3.41                             | 3.08                             |
|                                           | Average                                         |         | 3.66                             | 3.46                             | 3.75                             | 3.49                             | 3.47                             | 3.60                             | 3.64                             | 3.61                             | 3.46                             |
|                                           | Cold                                            |         | 3.32                             | 3.11                             | 3.32                             | 3.10                             | 3.15                             | 3.24                             | 3.28                             | 3.21                             | 3.11                             |
| Indoor Unit                               | External Static Pressure Range                  | Pa      | 35~185                           | 35~185                           | 35~185                           | 50~200                           | 50~200                           | 60~210                           | 60~210                           | 60~215                           | 60~215                           |
|                                           | Air Flow Range                                  | L/s     | 160~350                          | 160~350                          | 290~500                          | 350~630                          | 350~630                          | 360~680                          | 360~680                          | 410~730                          | 410~730                          |
|                                           | Sound Pressure Level<br>[Hi2/Hi1/Hi/Med/Lo/SLo] | dB[A]   | 39/36/34/30/24/21.5              | 39/36/34/30/24/21.5              | 38/36/34/31/26/24                | 41/39/36/34/30/27                | 41/39/36/34/30/27                | 43/40/38/36/30/28                | 43/40/38/36/30/28                | 45/44/40/38/35/32                | 45/44/40/38/35/32                |
|                                           | Sound Power Level                               | dB[A]   | 49                               | 49                               | 49                               | 53                               | 53                               | 54                               | 54                               | 56                               | 56                               |
|                                           | Dimension [W×H×D]                               | mm      | 900(+75)×270×720                 | 900(+75)×270×720                 | 1100(+75)×300×800                | 1400(+75)×300×800                | 1400(+75)×300×800                | 1400(+75)×300×800                | 1400(+75)×300×800                | 1400(+75)×300×800                | 1400(+75)×300×800                |
|                                           | Supply Air Spigot [W×H]                         | mm      | 857x227                          | 857x227                          | 1049x258                         | 1350x258                         | 1350x258                         | 1350x258                         | 1350x258                         | 1350x258                         | 1350x258                         |
|                                           | Return Air Spigot [W×H]                         | mm      | 834x140                          | 834x140                          | 1038x197                         | 1338x197                         | 1338x197                         | 1338x197                         | 1338x197                         | 1338x197                         | 1338x197                         |
|                                           | Net/Gross Weight                                | kg      | 30/36                            | 30/36                            | 40/47                            | 48/56                            | 48/56                            | 48/56                            | 48/56                            | 48/56                            | 48/56                            |
| Outdoor Unit                              | Sound Pressure Level-Cooling                    | dB[A]   | 53                               | 53                               | 53                               | 56                               | 56                               | 56                               | 56                               | 56                               | 56                               |
|                                           | Sound Pressure Level-Heating                    | dB[A]   | 54                               | 54                               | 54                               | 57                               | 57                               | 57                               | 57                               | 57                               | 57                               |
|                                           | Sound Pressure Level-Night                      | dB[A]   | 51                               | 51                               | 51                               | 54                               | 54                               | 54                               | 54                               | 54                               | 54                               |
|                                           | Dimension [W×H×D]                               | mm      | 900×665×320                      | 900×665×320                      | 900×665×320                      | 950×990×320                      | 950×990×320                      | 950×1380×320                     | 950×1380×320                     | 950×1380×320                     | 950×1380×320                     |
|                                           | Net/Gross Weight                                | kg      | 42.0/45.5                        | 42.0/45.5                        | 44.0/48.0                        | 86.5/100.5                       | 86.5/100.5                       | 98.5/109.0                       | 98.5/109.0                       | 108.0/118.5                      | 108.0/118.5                      |
| Refrigerant type                          | Type                                            |         | R32                              | R32                              | R32                              | R32                              | R32                              | R32                              | R32                              | R32                              | R32                              |
|                                           | Charge                                          | kg      | 1.2                              | 1.2                              | 1.4                              | 3.0                              | 3.0                              | 3.1                              | 3.1                              | 3.4                              | 3.4                              |
| Refrigerant pipe                          | Liquid side/Gasside                             | mm      | Φ6.35/Φ12.7                      | Φ6.35/Φ12.7                      | Φ6.35/Φ12.7                      | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     |
|                                           | Max. pipe length                                | m       | 50                               | 50                               | 75                               | 75                               | 75                               | 75                               | 75                               | 75                               | 75                               |
|                                           | Max. Height difference                          | m       | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               |
|                                           | Add Refrigerant Amount                          | g/m     | 18                               | 18                               | 18                               | 35                               | 35                               | 35                               | 35                               | 35                               | 35                               |
|                                           | Chargeless                                      | m       | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               |
| Guaranteed Temperature<br>Operation Range | Cooling                                         | °C (db) | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            |
|                                           | Heating                                         | °C (wb) | -15-15.5                         | -15-15.5                         | -15-15.5                         | -15-15.5                         | -15-15.5                         | -15-15.5                         | -15-15.5                         | -15-15.5                         | -15-15.5                         |

# Specifications

## LARGE HOME (HIGH-STATIC PRESSURE) DUCTED

| IDU<br>ODU                                |                                                 |         | PPIH-3.0UFA1NQ<br>PAS-3.0UFASNQ1 | PPIH-4.0UFA1NQ<br>PAS-4.0UFASNQ1 | PPIH-4.0UFA1NQ<br>PAS-4.0UFASMQ1 | PPIH-5.0UFA1NQ<br>PAS-5.0UFASNQ1 | PPIH-5.0UFA1NQ<br>PAS-5.0UFASMQ1 | PPIH-6.0UFA1NQ<br>PAS-6.0UFASNQ1 | PPIH-6.0UFA1NQ<br>PAS-6.0UFASMQ1 | PPIH-6.5UFA1NQ<br>PAS-6.5UFASNQ1 | PPIH-6.5UFA1NQ<br>PAS-6.5UFASMQ1 |
|-------------------------------------------|-------------------------------------------------|---------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Power supply (Indoor)                     |                                                 | V/Ph/Hz | 220-240~,50                      | 220-240~,50                      | 220-240~,50                      | 220-240~,50                      | 220-240~,50                      | 220-240~,50                      | 220-240~,50                      | 220-240~,50                      | 220-240~,50                      |
| Power supply (Outdoor)                    |                                                 | V/Ph/Hz | 220-240~,50                      | 220-240~,50                      | 380-415,3N~,50                   | 220-240~,50                      | 380-415,3N~,50                   | 220-240~,50                      | 380-415,3N~,50                   | 220-240~,50                      | 380-415,3N~,50                   |
| Cooling                                   | Rated Capacity                                  | kW      | 7.2                              | 10.0                             | 10.0                             | 12.5                             | 12.5                             | 14.0                             | 14.0                             | 16.0                             | 16.0                             |
|                                           | Capacity Range[Min~Max]                         | kW      | 2.5~8.6                          | 3.2~12.0                         | 3.2~12.0                         | 4.0~14.2                         | 4.0~14.2                         | 5.0~16.0                         | 5.0~16.0                         | 6.0~18.0                         | 6.0~18.0                         |
| Heating                                   | Rated Capacity                                  | kW      | 8.6                              | 11.5                             | 11.5                             | 14.0                             | 14.0                             | 16.0                             | 16.0                             | 18.0                             | 18.0                             |
|                                           | Capacity Range[Min~Max]                         | kW      | 3.5~10.4                         | 3.5~14.0                         | 3.5~14.0                         | 4.0~16.2                         | 4.0~16.2                         | 5.5~18.0                         | 5.5~18.0                         | 6.5~20.0                         | 6.5~20.0                         |
| EER                                       | Cooling                                         |         | 3.50                             | 3.63                             | 3.63                             | 3.67                             | 3.67                             | 3.51                             | 3.51                             | 3.16                             | 3.16                             |
| COP                                       | Heating                                         |         | 3.95                             | 3.73                             | 3.73                             | 4.18                             | 4.18                             | 3.97                             | 3.97                             | 3.69                             | 3.69                             |
| TCSPF(Cooling)<br>Residential             | Hot                                             |         | 5.12                             | 4.77                             | 4.62                             | 4.76                             | 4.54                             | 4.48                             | 4.43                             | 4.24                             | 4.55                             |
|                                           | Average                                         |         | 4.64                             | 4.28                             | 4.04                             | 4.32                             | 3.97                             | 4.11                             | 4.00                             | 3.86                             | 4.12                             |
|                                           | Cold                                            |         | 4.77                             | 4.32                             | 4.02                             | 4.43                             | 3.98                             | 4.16                             | 4.02                             | 3.95                             | 4.26                             |
| HSPF(Heating)<br>Residential              | Hot                                             |         | 3.67                             | 3.14                             | 2.90                             | 3.17                             | 2.68                             | 3.32                             | 2.93                             | 3.10                             | 3.11                             |
|                                           | Average                                         |         | 3.72                             | 3.38                             | 3.40                             | 3.57                             | 3.44                             | 3.54                             | 3.36                             | 3.40                             | 3.39                             |
|                                           | Cold                                            |         | 3.25                             | 3.03                             | 3.07                             | 3.23                             | 3.17                             | 3.17                             | 3.07                             | 3.06                             | 3.05                             |
| Indoor Unit                               | External Static Pressure Range                  | Pa      | 35~270                           | 50~290                           | 50~290                           | 60~285                           | 60~285                           | 60~295                           | 60~295                           | 60~310                           | 60~310                           |
|                                           | Air Flow Range                                  | L/s     | 374~640                          | 421~745                          | 421~745                          | 500~820                          | 500~820                          | 500~850                          | 500~850                          | 500~900                          | 500~900                          |
|                                           | Sound Pressure Level<br>[Hi2/Hi1/Hi/Med/Lo/SLo] | dB[A]   | 46/44/40/38/34/31                | 48/47/43/41/37/34                | 48/47/43/41/37/34                | 50/48/45/43/41/38                | 50/48/45/43/41/38                | 51/49/47/45/41/39                | 51/49/47/45/41/39                | 52/50/47/45/41/39                | 52/50/47/45/41/39                |
|                                           | Sound Power Level                               | dB[A]   | 57                               | 62                               | 62                               | 63                               | 63                               | 64                               | 64                               | 65                               | 65                               |
|                                           | Dimension [W×H×D]                               | mm      | 1076×350×800                     | 1076×350×800                     | 1076×350×800                     | 1300×350×890                     | 1300×350×890                     | 1300×350×890                     | 1300×350×890                     | 1300×350×890                     | 1300×350×890                     |
|                                           | Supply Air Spigot [W×H]                         | mm      | 934x308                          | 934x308                          | 934x308                          | 1135x308                         | 1135x308                         | 1135x308                         | 1135x308                         | 1135x308                         | 1135x308                         |
|                                           | Return Air Spigot [W×H]                         | mm      | 980x222                          | 980x222                          | 980x222                          | 1204x222                         | 1204x222                         | 1204x222                         | 1204x222                         | 1204x222                         | 1204x222                         |
|                                           | Net/Gross Weight                                | kg      | 54/62                            | 54/62                            | 54/62                            | 79/88                            | 79/88                            | 79/88                            | 79/88                            | 79/88                            | 79/88                            |
| Outdoor Unit                              | Sound Pressure Level-Cooling                    | dB[A]   | 53                               | 56                               | 56                               | 56                               | 56                               | 56                               | 56                               | 57                               | 57                               |
|                                           | Sound Pressure Level-Heating                    | dB[A]   | 54                               | 57                               | 57                               | 57                               | 57                               | 57                               | 57                               | 59                               | 59                               |
|                                           | Sound Pressure Level-Night                      | dB[A]   | 51                               | 54                               | 54                               | 54                               | 54                               | 54                               | 54                               | 54                               | 54                               |
|                                           | Dimension [W×H×D]                               | mm      | 900×665×320                      | 950×990×320                      | 950×990×320                      | 950×1380×320                     | 950×1380×320                     | 950×1380×320                     | 950×1380×320                     | 950×1380×320                     | 950×1380×320                     |
|                                           | Net/Gross Weight                                | kg      | 44.0/48.0                        | 86.5/100.5                       | 86.5/100.5                       | 98.5/109.0                       | 98.5/109.0                       | 108.0/118.5                      | 108.0/118.5                      | 108.0/118.5                      | 108.0/118.5                      |
| Refrigerant type                          | Type                                            |         | R32                              | R32                              | R32                              | R32                              | R32                              | R32                              | R32                              | R32                              | R32                              |
|                                           | Charge                                          | kg      | 1.4                              | 3.0                              | 3.0                              | 3.1                              | 3.1                              | 3.4                              | 3.4                              | 3.4                              | 3.4                              |
| Refrigerant pipe                          | Liquid side/Gas side                            | mm      | Φ6.35/Φ12.7                      | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     | Φ9.52/Φ15.88                     |
|                                           | Max. pipe length                                | m       | 75                               | 75                               | 75                               | 75                               | 75                               | 75                               | 75                               | 75                               | 75                               |
|                                           | Max. Height difference                          | m       | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               |
|                                           | Add Refrigerant Amount                          | g/m     | 18                               | 35                               | 35                               | 35                               | 35                               | 35                               | 35                               | 35                               | 35                               |
|                                           | Chargeless                                      | m       | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               | 30                               |
| Guaranteed Temperature<br>Operation Range | Cooling                                         | °C (db) | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            | -5~52                            |
|                                           | Heating                                         | °C (wb) | -15-15.5                         | -15-15.5                         | -15-15.5                         | -15-15.5                         | -15-15.5                         | -15-15.5                         | -15-15.5                         | -15-15.5                         | -15-15.5                         |