



**R-410A**

**PHJ-GPJ SERIES**  
**'A' RANGE**  
**HIGH WALL AIR CONDITIONER**



***Elegant Flat Panel Design***  
***with Digital Temp. Display***

***Quiet Operation***

***Mode Selection (Cool-Dry-Heat)***

***Auto Restart***

***Remote Control Handset***

***Timer Control***

***Intelligent Defrost System***

***with Samsung Compressor***

***Low Ambient Temperature Kit (Optional)***



# MONO SPLIT HIGH WALL AIR CONDITIONERS

## STANDARD SPECIFICATIONS

## PHJ-GPJ SERIES R-410A

| Model                                  | Indoor unit                  |                | PHJ-09-SS                | PHJ-12-SS   | PHJ-18-SS   | PHJ-24-SS   |              |
|--|------------------------------|----------------|--------------------------|-------------|-------------|-------------|--------------|
|  | Outdoor unit                 |                | GPJ-09-YK                | GPJ-12-YK   | GPJ-18-YK   | GPJ-24-YK   |              |
| Nominal Cooling Capacity               | btu / h                      |                | 8,870                    | 11,940      | 18,080      | 24,910      |              |
|  | W                            |                | 2,600                    | 3,500       | 5,300       | 7,300       |              |
| Nominal Heating Capacity               | btu / h                      |                | 9,550                    | 12,620      | 19,450      | 26,610      |              |
|  | W                            |                | 2,800                    | 3,700       | 5,700       | 7,800       |              |
| EER                                    | W/W                          |                | 3.33                     | 3.21        | 3.06        | 2.65        |              |
|  | Energy Class                 |                | A                        | A           | B           | D           |              |
| COP                                    | W/W                          |                | 3.78                     | 3.43        | 3.45        | 2.86        |              |
|  | Energy Class                 |                | A                        | B           | B           | D           |              |
| Electrical insulation protection class |                              |                | 1                        |             |             |             |              |
| Water proof class                      |                              |                | IP24                     |             |             |             |              |
| Dehumidification                       |                              |                | L/h                      | 0.80        | 1.50        | 1.65        | 2.10         |
| Power Input                            | Cooling                      |                | W                        | 780         | 1,090       | 1,730       | 2,750        |
|  | Heating                      |                | W                        | 740         | 1,080       | 1,650       | 2,730        |
| Running current                        | Cooling                      |                | A                        | 3.5         | 4.9         | 7.8         | 12.3         |
|  | Heating                      |                | A                        | 3.3         | 4.8         | 7.4         | 12.2         |
| Start Current                          |                              |                | A                        | 19          | 27          | 40          | 58           |
| Power Supply                           |                              |                | V / Ph / Hz 230 / 1 / 50 |             |             |             |              |
| Indoor unit                            | Model                        |                | PHJ-09-SS                | PHJ-12-SS   | PHJ-18-SS   | PHJ-24-SS   |              |
|  | Airflow (H / M / L)          |                | m <sup>3</sup> / h       | 500/380/250 | 550/400/320 | 850/650/500 | 1100/900/650 |
|  | Noise level @ 1m (H / M / L) |                | dB (A)                   | 39/33/29    | 41/36/30    | 47/43/41    | 49/46/44     |
|  | Cond. drain connection OD    |                | mm (in)                  | 19.05 (3/4) |             |             |              |
|  | Dimensions                   | H              | mm                       | 272         |             | 323         | 330          |
|  |                              | W              | mm                       | 814         |             | 1,013       | 1,150        |
|  |                              | D              | mm                       | 197         |             | 198         | 212          |
| Net weight                             |                              | kg             | 8                        | 11          | 15          | 17          |              |
| Outdoor unit                           | Model                        |                | GPJ-09-YK                | GPJ-12-YK   | GPJ-18-YK   | GPJ-24-YK   |              |
|  | Construction                 | Panel          | STEEL                    |             |             |             |              |
|  |                              | Surface finish | POWDER COAT              |             |             |             |              |
|  | Compressor                   |                | ROTARY/SAMSUNG           |             |             |             |              |
|  | Refrigerant control          |                | CAPILLARY                |             |             |             |              |
|  | Noise level @ 1m             |                | dB (A)                   | 51          | 53          | 57          | 58           |
|  | Dimensions                   | H              | mm                       | 550         | 542         | 656         | 730          |
| W                                      |                              | mm             | 745                      | 820         | 917         | 915         |              |
| D                                      |                              | mm             | 321                      | 321         | 372         | 372         |              |
| Net weight                             |                              | kg             | 35                       | 37          | 49          | 68          |              |
| Refrigerant piping                     | Connection method            |                | FLARE                    |             |             |             |              |
|  | Indoor side                  |                | FLARE                    |             |             |             |              |
|  | Outdoor side                 |                | FLARE                    |             |             |             |              |
|  | Refrigerant charge (5m)      |                | kg                       | 0.71        | 0.86        | 1.20        | 2.00         |
| Pipe size OD                           | Liquid                       | mm (in)        | 6.35 (1/4)               | 6.35 (1/4)  | 6.35 (1/4)  | 9.52 (3/8)  |              |
|  | Gas                          | mm (in)        | 9.52 (3/8)               | 12.70 (1/2) | 12.70 (1/2) | 15.87 (5/8) |              |

All capacities are based on: cooling: indoor 27°C DB, 19.5°C WB, outdoor 35°C DB, 24°C WB 09 V.1.0  
 heating: indoor 20°C DB, outdoor 7°C DB, 6°C WB



**Sonkor International Limited**

**Head Office**

Office 6, 9/F, Block A, New Trade Plaza, 6 On Ping Street, Shatin, N.T., Hong Kong

Tel : +852 26488887 Fax: +852 26366608 E-mail : sonkor@sonkor.com

WEBSITE: [www.sonkor.com](http://www.sonkor.com)

**Branch Office, Spain**

AV. Juan Pablo II N°25 2 4L, 30008-Murcia, Spain

Tel: +34 968270885 Fax: +34 968249520

E-mail : felipe@sonkor.com

**Branch Office, China**

Jinxiu 19-305, Lucheng, Wenzhou, China

Tel: +86 577 88311691 Fax: +86 577 88311691

E-mail: margaret@sonkor.com