



# RESIDENTIAL *pro*

Split Air Conditioners



21WL / WM SERIES PRO 10



## PRODUCT FEATURES

- Rapid Cooling
- Auto Restart Capability
- LED Display
- Self Diagnostic
- Sleep Mode
- Whisper Quiet
- Modern Elegant Design

BTU  
12K-36K

**R22**  
REFRIGERANT

**ISO 14001**

**ISO 9001**

# SPECIFICATIONS | 60Hz

**21WL / WM SERIES PRO 10**  
**High Wall Cooling Systems**  
**Split System Cooling Unit**  
**Cooling: 12,000Btuh-36,000Btuh**  
**(3.2-10.5kW)**

## INDOOR UNIT FEATURES

- ✓ WIRELESS LCD Remote Control
- ✓ AUTO setting for Cooling, Dehumidifying, Fan
- ✓ AUTO RESTART
- ✓ TIMER
- ✓ SLEEP Mode
- ✓ AUTO SWING ( Vertical )
- ✓ TURBO Cooling Function
- ✓ LED Display
- ✓ Cleanable Cartridge Filters
- ✓ EASY CONNECT Flare Connections

## OUTDOOR UNIT FEATURES

- ✓ ROTARY Compressor
- ✓ SUPER QUIET Operation
- ✓ 10.0 SEER in Cooling Mode.
- ✓ High Efficiency Cooling
- ✓ DURABLE CABINET with protective coating
- ✓ EASY CONNECT Flare Connections

### Notes

1. Nominal capacities are based on ARI standards 210 / 240 - 89, air entering the indoor coil operating at high fan, speed for 220 volt, 60 Hz operation.  
Cooling: 80/67 ° F (27/19 ° C) DB/WB indoor & 95 ° F (35 ° C) ambient temperature.
2. Ratings are based on indoor and outdoor units connected by 16 ft (5 m) of tubing.
3. Refrigerant metering device is installed in the outdoor unit as standard.
4. Flare fittings are provided for connecting indoor and outdoor units.
5. Insulation of both liquid and suction line is required.
6. Outdoor units are shipped with full operating charge.
7. For details of model number nomenclature, please refer to publication DCTNOM-50314



**R22**  
**REFRIGERANT**

|   | MODEL NO.  | 21W (L & M)                 |   | L012C          | L018C        | L024C         | M036C        |               |     |
|---|--|-----------------------------|---|----------------|--------------|---------------|--------------|---------------|-----|
|   |  |                             |   | 22-035BWA      | 22-053BWA    | 22-070BWA     | 22-105BWA    |               |     |
| I<br>N<br>D<br>O<br>O<br>R<br><br>U<br>N<br>I<br>T      | Cooling Capacity - Nominal                       |                             | Btuh (kW)                                       |                | 12,000 (3.5) | 18,000 (5.3)  | 24,000 (7.0) | 36,000 (10.5) |     |
|   | Efficiency - SEER                                |                             | Btuh/w (w/w)                                    |                | 10.0 (3.5)   |               |              |               |     |
|   | Refrigerant Control                              |                             | Capillary tube @Outdoor Unit                    |                |              |               |              |               |     |
|   | Power Consumption (Watts)                        |                             |   |                | 1,500        | 2,400         | 3,100        | 4,600         |     |
|   | Fan  |                             |   | Cross Flow Fan |              |               |              |               |     |
|   |  | Speed                       |   |                |              | 3             | 3            | 3             | 3   |
|   |  | Air Flow (H)                | CFM (m³/hr)                                     | 295 (500)      | 470 (800)    | 530 (900)     | 885 (1500)   |               |     |
|   |  | Noise Level                 | Lo-Hi dBA                                       | 32-40          | 37-44        | 42-46         | 48-53        |               |     |
|   |  | Motor Input                 | Watts   |                |              | 39            | 49           | 54            | 105 |
|   | Coil Type: Al. Fins; Tubes; P- Plain; G- Grooved |                             | Grooved Copper Tubes - Aluminum Hydrophilic Fin |                |              |               |              |               |     |
| Air Filter  |  | Cleanable Cartridge Type    |   |                |              |               |              |               |     |
| Electrical  | Volts  |                             | 208-230/1/60                                    |                |              |               |              |               |     |
|   | Range  |                             | min 187 - max 253                               |                |              |               |              |               |     |
|   | FLA  |                             | 0.18  | 0.22           | 0.25         | 0.48          |              |               |     |
| Controls  |  | LCD Wireless Remote Control |   |                |              |               |              |               |     |
| Refrigerant Connections inches (mm)                     | Type   |                             | Flare   |                |              |               |              |               |     |
|   | Liquid   |                             | 1/4 (6)   | 1/4 (6)        | 1/4 (6)      | 1/4 (6)       |              |               |     |
|   | Suction  |                             | 3/8 (10)  | 1/2 (13)       | 1/2 (13)     | 5/8 (16)      |              |               |     |
| Drain Connections inches (mm)                           |  |                             |   | 3/4 (19)       | 3/4 (19)     | 3/4 (19)      | 3/4 (19)     |               |     |
| Dimensions inches (mm)                                  | Height   |                             | 7 5/8 (195)                                     | 8 1/2 (215)    | 8 1/2 (215)  | 9 5/8 (245)   |              |               |     |
|   | Width  |                             | 29 1/3 (745)                                    | 35 1/2 (900)   | 35 1/2 (900) | 51 1/8 (1300) |              |               |     |
|   | Depth  |                             | 9 7/8 (250)                                     | 11 1/5 (292)   | 11 1/5 (292) | 13 1/8 (332)  |              |               |     |
| Weight lbs (kg)   |  |                             |   | 20 (9)         | 29 (13)      | 31 (14)       | 49 (22)      |               |     |
|   | MODEL NO.  | 32H (L & M)                 |   | L012C          | L018C        | L024C         | M036C        |               |     |
|   |  |                             |   | 22-035BGA      | 22-053BGA    | 22-070BGA     | 22-105BMA    |               |     |
| O<br>U<br>T<br>D<br>O<br>O<br>R<br><br>U<br>N<br>I<br>T | Compressor Type                                  |                             | Rotary  |                |              |               |              |               |     |
|   | Fan  | No of Fans                  |   | 1              | 1            | 1             | 1            |               |     |
|   |  | Noise Level (dbA)           |   | 54             | 54           | 54            | 59           |               |     |
|   |  | Motor                       | FLA   | 0.36           | 0.33         | 0.52          | 1.05         |               |     |
|   |  | Motor Input                 | Watts   | 72             | 72           | 115           | 230          |               |     |
|   | Refrigerant Connections inches (mm)              | Type                        |   | Flare          |              |               |              |               |     |
|   |  | Liquid                      |   | 1/4 (6)        | 1/4 (6)      | 1/4 (6)       | 1/4 (6)      |               |     |
|   |  | Suction                     |   | 3/8 (10)       | 1/2 (13)     | 1/2 (13)      | 5/8 (16)     |               |     |
|   | Refrigerant R22 (oz./kg.)                        |                             |   |                | 17.6 / 0.50  | 30.7 / 0.87   | 40.6 / 1.15  | 88.2 / 2.50   |     |
|   | Coil Type:                                       |                             | Grooved Copper Tubes - Aluminum Blue Slit Fin   |                |              |               |              |               |     |
| Electrical  | Voltage  |                             | 208-230/1/60                                    |                |              |               |              |               |     |
|   | Condenser Fan FLA                                |                             | 0.36  | 0.33           | 0.52         | 1.05          |              |               |     |
|   | Compressor RLA (Amps)                            |                             | 5.21  | 9.1            | 10.7         | 16            |              |               |     |
|   | Minimum Circuit Amps (MCA)                       |                             | 7.05  | 11.9           | 14.1         | 21.5          |              |               |     |
|   | Max. Fuse Amps (MFA-MOCP)                        |                             | 10  | 20             | 25           | 35            |              |               |     |
| Dimensions inches (mm)                                  | Height   |                             | 21 1/4 (540)                                    | 21 1/4 (540)   | 23 1/5 (605) | 31 (790)      |              |               |     |
|   | Width  |                             | 38 1/8 (715)                                    | 31 1/3 (795)   | 33 1/2 (850) | 38 1/5 (970)  |              |               |     |
|   | Depth  |                             | 9 1/4 (235)                                     | 10 (255)       | 11 5/8 (295) | 14 1/2 (370)  |              |               |     |
| Weight lbs (kgs)  |  |                             |   | 61.6 (28)      | 70.4 (32)    | 79.2 (36)     | 162.8 (74)   |               |     |



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