

# Submittal

TAG:

PRODUCT NAME \_\_\_\_\_  
LOCATION \_\_\_\_\_  
ARCHITECT \_\_\_\_\_  
ENGINEER \_\_\_\_\_  
CONTRACTOR \_\_\_\_\_  
SUBMITTED BY \_\_\_\_\_ DATA \_\_\_\_\_

## UNIT SUMMARY

|                            |  |  |  |  |  |  |
|----------------------------|--|--|--|--|--|--|
| Quantity                   |  |  |  |  |  |  |
| Unit Designation           |  |  |  |  |  |  |
| Model No.                  |  |  |  |  |  |  |
| Cooling Input              |  |  |  |  |  |  |
| Cooling Output             |  |  |  |  |  |  |
| CFM/ESP                    |  |  |  |  |  |  |
| COP/HSPF                   |  |  |  |  |  |  |
| Electrical                 |  |  |  |  |  |  |
| Minimum Ampacity           |  |  |  |  |  |  |
| Max Overcurrent Protection |  |  |  |  |  |  |
| Net Unit Weight            |  |  |  |  |  |  |
| Accessory                  |  |  |  |  |  |  |
| Catalog Form Number        |  |  |  |  |  |  |

## ACCESSORIES

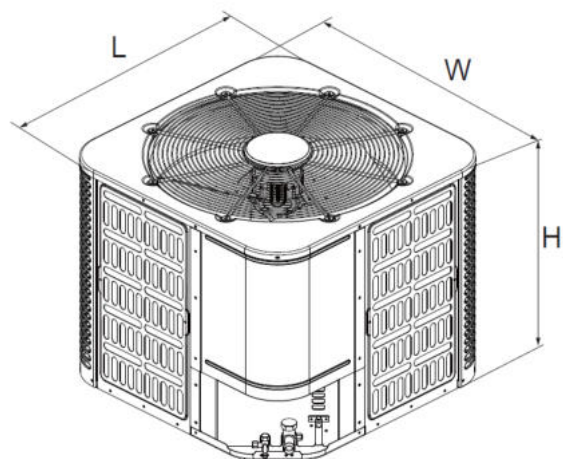
## NOTES

## Condensing Unit

### BAH6 Series Air Conditioner

Up to 14.3 SEER2

Cooling & Heating capacity: 18-36 kBTU/h



| Model Size | Unit Width<br>“W” in. [mm] | Unit Height<br>“H” in. [mm] | Unit Length<br>“L” in. [mm] | Packing (W*H*D) in. [mm]               | Unit Weight<br>(lbs.[kg]) |
|------------|----------------------------|-----------------------------|-----------------------------|----------------------------------------|---------------------------|
| 18         | 21-4/5 [554]               | 25 [633]                    | 21-4/5 [554]                | 22-3/5×25-9/10×22-3/5[575 × 660 × 575] | 128 [57.5]                |
| 24         | 21-4/5 [554]               | 25 [633]                    | 21-4/5 [554]                | 22-3/5×25-9/10×22-3/5[575 × 660 × 575] | 130 [59.0]                |
| 30         | 29-1/7 [740]               | 25 [633]                    | 29-1/7 [740]                | 29-9/10×25-9/10×29-9/10[760× 660×760]  | 160 [72.5]                |
| 36         | 29-1/7 [740]               | 25 [633]                    | 29-1/7 [740]                | 29-9/10×25-9/10×29-9/10[760× 660×760]  | 162 [73.5]                |

# Specifications

|                      |                              |         |                           |
|----------------------|------------------------------|---------|---------------------------|
| Model                |                              |         | BAH6-36-15                |
| Outdoor power supply |                              | V/Ph/Hz | 230V/1N/60HZ              |
| Cooling              | Capacity                     | Btu/h   | 33000                     |
|                      | EER2                         | Btu/h.W | 11.7                      |
|                      | SEER2                        | Btu/h.W | 14.3                      |
| Heating              | Capacity                     | Btu/h   | 33200                     |
|                      | HSPF2                        | Btu/h.W | 7.5                       |
| Refer to Room Area   | square feet                  |         | 516.00                    |
| MCA                  |                              | A       | 30                        |
| MOP                  |                              | A       | 45                        |
| Compressor           | Brand                        |         | LG                        |
|                      | Model                        |         | YPH029KAA                 |
|                      | Type                         |         | scroll                    |
|                      | Capacity                     | Btu/h   | 36000.00                  |
|                      | Input                        | W       | 2134.00                   |
|                      | Rated current(RLA)           | A       | 21.00                     |
|                      | Locked rotor Amp(LRA)        | A       | 75.00                     |
| Outdoor fan motor    | Brand                        |         | BROAD-OCEAN               |
|                      | Model                        |         | YDK-205-6-AL              |
|                      | Rate current                 | A       | 1.40                      |
|                      | Input                        | W       | 297                       |
|                      | Output                       | W       | 205                       |
|                      | Capacitor                    | μF      | 6uF/450V                  |
|                      | Speed                        | rpm     | 1075                      |
| Outdoor fan blade    | Dimension                    | mm      | Φ585×110×Φ12.7            |
| Outdoor coil         | Number of row                |         | 2                         |
|                      | Fin spacing                  | in      | 0.06                      |
|                      | Fin material                 |         | Hydrophilic Aluminium Fin |
|                      | Tube outside diameter        | in      | Φ 0.276                   |
|                      | Tube material                |         | Inner Grooved             |
|                      | Coil length x height x width | in      | 84.09×23.15×1.05          |
|                      | Number of circuit            |         | 7                         |
| Outdoor air flow     |                              | CFM     | 3350                      |
| Outdoor noise level  |                              | dB(A)   | 60                        |
| Throttling type      |                              |         | Piston                    |
| Outdoor dimension    | Unit (WxHxD)                 | in      | 29-1/7×25×29-1/7          |
|                      |                              | mm      | 740×633×740               |
|                      | Packing (WxHxD)              | in      | 29-9/10×25-9/10×x29-9/10  |
|                      |                              | mm      | 775×680×775               |
|                      | Net / Gross weight           | kg      | 73.5/77.5                 |
|                      |                              | lbs     | 162/170                   |
| Refrigerant          | Type                         |         | R454b                     |
|                      | Charging                     | oz      | 110.00                    |
| Refrigerant pipe     | Liquid side                  | in      | Φ3/8                      |

|                      |                               |           |           |
|----------------------|-------------------------------|-----------|-----------|
|                      | Gas side                      | in        | Φ3/4      |
|                      | Max. refrigerant pipe length  | SW2-4 ON  | 131       |
|                      | (ft)                          | SW2-4 OFF | 100       |
|                      | Max. difference in level (ft) | SW2-4 ON  | 65        |
|                      |                               | SW2-4 OFF | 26        |
| Design pressure      |                               | MPa       | 3.79/1.72 |
| Max pressure         |                               | MPa       | 3.92      |
| Operation temp range | Cooling                       | °F        | 53-120    |
|                      | Heating                       | °F        | 5-80      |
| SERVICE CODE         |                               |           | 38P       |

---

**Standard Features:**

- Eco-friendly R454B refrigerant with low GWP value.
- Energy-efficient compressor.
- Equipped with thermal overload protection.
- High quality condenser with inner-groove copper tube and aluminum fin.
- Service valves with sweat connections and easy-access gauge ports.
- Factory-installed high-pressure switch.
- AHRI certified and ETL listed.

**Cabinet Features:**

- Compact design allows for ease of installation, clearance, durability, and maneuverability.
  - Powder-painted galvanized steel cabinet chassis.
  - Protective steel louvered coil guard.
  - Steel wire axial fan guard
  - ECM fan motor and unique blade style allowing for smooth discharge air and quieter operation.
- 

**ComfortStar®**

---

Add.: 12201 N W 107th Avenue Miami, FL 33178

1.866.524.9898 Toll Free

305.500.9898 Office

305.500.9896 Fax document.

<http://www.comfortstarusa.com>