

# Submittal

TAG: \_\_\_\_\_

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

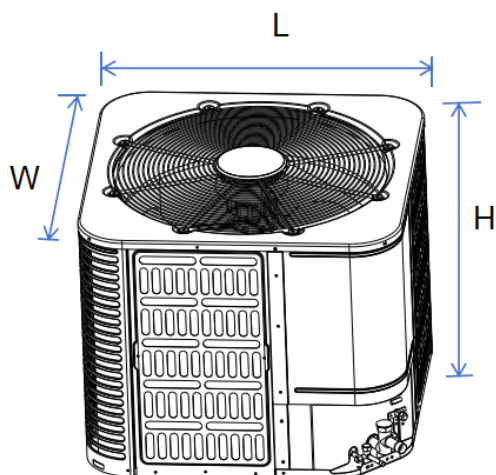
## UNIT SUMMARY

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

## ACCESSORIES

## NOTES

**Condensing Unit**  
**BAH6 Series Air Conditioner**  
**Up to 14.3 SEER2**  
**Cooling & Heating capacity: 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 [551]               | 25 [633]                    | 21-4/5 [551]                | 22-3/5×25-9/10×22-3/5[575 × 660 × 575] | 132 [60]                  |
| 24         | 21-4/5 [551]               | 25 [633]                    | 21-4/5 [551]                | 22-3/5×25-9/10×22-3/5[575 × 660 × 575] | 133 [60.5]                |
| 30         | 29-1/7 [740]               | 25 [633]                    | 29-1/7 [740]                | 29-9/10×25-9/10×29-9/10[760× 660×760]  | 164 [74.5]                |
| 36         | 29-1/7 [740]               | 25 [633]                    | 29-1/7 [740]                | 29-9/10×25-9/10×29-9/10[760× 660×760]  | 168 [76]                  |
| 42         | 29-1/7 [740]               | 32-7/8 [835]                | 29-1/7 [740]                | 29-9/10×34-2/5×29-9/10[760× 875× 760]  | 183 [83]                  |
| 48         | 29-1/7 [740]               | 32-7/8 [835]                | 29-1/7 [740]                | 29-9/10×34-2/5×29-9/10[760× 875× 760]  | 203 [92]                  |
| 60         | 29-1/7 [740]               | 32-7/8 [835]                | 29-1/7 [740]                | 29-9/10×34-2/5×29-9/10[760× 875× 760]  | 216 [98]                  |

# Specifications

|                        |                              |         |                           |
|------------------------|------------------------------|---------|---------------------------|
| Model                  |                              |         | BAH6-36-15                |
| Outdoor power supply   |                              | V/Ph/Hz | 230V/1N/60HZ              |
| Cooling                | Capacity                     | Btu/h   | 33400                     |
|                        | EER2                         | Btu/h.W | 11.7                      |
|                        | SEER2                        | Btu/h.W | 14.3                      |
| Heating                | Capacity                     | Btu/h   | 33000                     |
|                        | HSPF2                        | Btu/h.W | 7.5                       |
| Refer to Room Area     | square feet                  |         | 516.00                    |
| Max. input consumption |                              | W       | /                         |
| Max. current           |                              | A       | /                         |
| 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                        |
|                        | Locked rotor Amp(LRA)        | A       | 75.00                     |
| Outdoor fan motor      | Brand                        |         | Broad-Ocean/Panasonic     |
|                        | Model                        |         | DRN-310-200-10            |
|                        | Rate current                 | A       | 1.80                      |
|                        | Input                        | W       | 226.00                    |
|                        | Output                       | W       | 200.00                    |
|                        | Capacitor                    | μF      | /                         |
|                        | Speed                        | rpm     | 950.00                    |
| Outdoor fan blade      | Dimension                    | mm      | Φ585×110×Φ12.7            |
| Outdoor coil           | Number of row                |         | 2.00                      |
|                        | 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            |         | 6.00                      |
| Outdoor air flow       |                              | CFM     | 3350.00                   |
| Outdoor noise level    |                              | dB(A)   | 60.00                     |
| 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      | 760×660×760               |
|                        | Net / Gross weight           | kg      | 76/80.5                   |
|                        |                              | lbs     | 168/177                   |
| Refrigerant            | Type                         |         | R454b                     |
|                        | Charging                     | oz      | 125.22                    |

|                      |                              |     |           |
|----------------------|------------------------------|-----|-----------|
| Refrigerant pipe     | Liquid side                  | in  | Φ3/8      |
|                      | Gas side                     | in  | Φ3/4      |
|                      | Max. refrigerant pipe length | ft  | 131       |
|                      | Max. difference in level     | ft  | 60        |
| Design pressure      |                              | MPa | 3.79/1.72 |
| Max pressure         |                              | MPa | 4.15      |
| Operation temp range | Cooling                      | ℉   | 53-120    |
|                      | Heating                      | ℉   | 5-80      |
| SERVICE CODE         |                              |     | 36Q       |

## AHRI MATCHING TABLE

| Model      |            | Cooling Capacity<br>(BTU/h) | Heating Capacity<br>(BTU/h) | EER2 | SEER2 | HSPF2 |
|------------|------------|-----------------------------|-----------------------------|------|-------|-------|
| Outdoor    | Indoor     |                             |                             |      |       |       |
| BAR6-18-15 | LUC6-18-15 | 18000                       | /                           | 11.7 | 14.3  | /     |
| BAR6-24-15 | LUC6-24-15 | 23000                       | /                           | 11.7 | 14.3  | /     |
| BAR6-30-15 | LUC6-30-15 | 28400                       | /                           | 12   | 15.2  | /     |
| BAR6-36-15 | LUC6-36-15 | 34600                       | /                           | 11.7 | 14.3  | /     |
| BAR6-42-15 | LUC6-42-15 | 41000                       | /                           | 11.7 | 14.3  | /     |
| BAR6-48-15 | LUC6-48-15 | 47000                       | /                           | 11.2 | 14.3  | /     |
| BAR6-60-15 | LUC6-60-15 | 54000                       | /                           | 11.2 | 14.3  | /     |
| BAR6-18-15 | CWM6-18-15 | 17400                       | /                           | 11.7 | 14.3  | /     |
| BAR6-24-15 | CWM6-24-15 | 22000                       | /                           | 11.7 | 14.3  | /     |
| BAR6-30-15 | CWM6-30-15 | 29000                       | /                           | 11.7 | 14.3  | /     |
| BAR6-36-15 | CWM6-36-15 | 33800                       | /                           | 11.7 | 14.3  | /     |
| BAH6-18-15 | LUC6-18-15 | 18000                       | 17600                       | 11.7 | 14.3  | 7.5   |
| BAH6-24-15 | LUC6-24-15 | 23000                       | 22400                       | 11.7 | 14.3  | 7.5   |
| BAH6-30-15 | LUC6-30-15 | 27600                       | 27800                       | 12   | 15.2  | 7.5   |
| BAH6-36-15 | LUC6-36-15 | 33400                       | 33000                       | 11.7 | 14.3  | 7.5   |
| BAH6-42-15 | LUC6-42-15 | 41000                       | 41000                       | 11.7 | 14.3  | 7.5   |
| BAH6-48-15 | LUC6-48-15 | 47000                       | 46000                       | 11.2 | 14.3  | 7.5   |
| BAH6-60-15 | LUC6-60-15 | 54000                       | 54000                       | 11.2 | 14.3  | 7.5   |
| BAH6-18-15 | CWM6-18-15 | 17400                       | 17000                       | 11.7 | 14.3  | 7.5   |
| BAH6-24-15 | CWM6-24-15 | 22000                       | 22000                       | 11.7 | 14.3  | 7.5   |
| BAH6-30-15 | CWM6-30-15 | 28000                       | 27600                       | 11.7 | 14.3  | 7.5   |
| BAH6-36-15 | CWM6-36-15 | 33000                       | 33000                       | 11.7 | 14.3  | 7.5   |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Standard Features:</b></p> <ul style="list-style-type: none"> <li>• Eco-friendly R454B refrigerant with low GWP value.</li> <li>• Energy-efficient compressor.</li> <li>• Equipped with thermal overload protection.</li> <li>• High quality condenser with inner-groove copper tube and aluminum fin.</li> <li>• Service valves with sweat connections and easy-access gauge ports.</li> <li>• Factory-installed high-pressure switch.</li> <li>• AHRI certified and ETL listed.</li> <li>•</li> </ul> | <p><b>Cabinet Features:</b></p> <ul style="list-style-type: none"> <li>• Compact design allows for ease of installation, clearance, durability, and maneuverability.</li> <li>• Powder-painted galvanized steel cabinet chassis.</li> <li>• Protective steel louvered coil guard.</li> <li>• Steel wire axial fan guard</li> <li>•</li> <li>ECM fan motor and unique blade style allowing for smooth discharge air and quieter operation.</li> </ul> |
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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>