

# 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

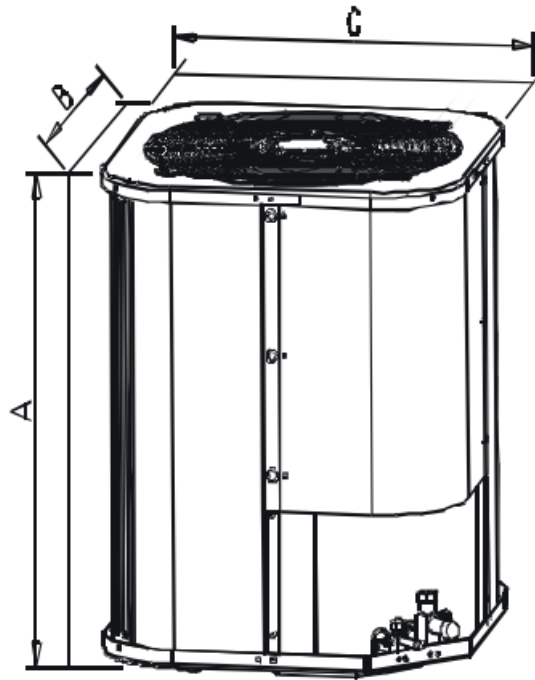
## NOTES

## Condensing Unit

### CCU Series Air Conditioner

10 SEER

Cooling capacity: 60kBTU/h



| Unit Model | Dimensions(mm) |     |     | Refrigerant Connection Line Size(mm) |      |                 |
|------------|----------------|-----|-----|--------------------------------------|------|-----------------|
|            | A              | B   | C   | Liquid( $\phi$ )                     |      | Vapor( $\phi$ ) |
|            |                |     |     | LF                                   | RF   |                 |
| 18         | 633            | 554 | 554 | 6.35                                 |      | 12.7            |
| 24         | 633            | 554 | 554 | 9.52                                 |      | 15.88           |
| 36         | 633            | 554 | 554 | 9.52                                 | 12.7 | 19.05           |
|            | 633            | 740 | 740 |                                      |      |                 |
|            | 835            | 554 | 554 |                                      |      |                 |
| 48         | 835            | 740 | 740 | 9.52                                 | 12.7 | 19.05           |
| 60         | 835            | 740 | 740 | 9.52                                 | 12.7 | 19.05           |

# Specifications

| Model (Top Discharge Condensing Unit) |                                                         |                 | CCU60-410-3-C             |
|---------------------------------------|---------------------------------------------------------|-----------------|---------------------------|
| Power supply                          |                                                         | V-Hz -Ph        | 220V-3Ph-60Hz             |
| Max. input consumption                |                                                         | W               | 6725                      |
| Max. current                          |                                                         | A               | 19.18                     |
| Starting current                      |                                                         | A               | /                         |
| Max. input consumption                |                                                         | W               | N/A                       |
| Max. current                          |                                                         | A               | N/A                       |
| Compressor                            | Model                                                   |                 | ZP54KUE-TF5-52E           |
|                                       | Type                                                    |                 | scroll                    |
|                                       | Brand                                                   |                 | Emerson                   |
|                                       | Qty                                                     |                 | 1                         |
|                                       | Capacity                                                | W               | 15900                     |
|                                       | Input                                                   | W               | 5140                      |
|                                       | Rated current(RLA)                                      | A               | 18.6                      |
|                                       | Thermal protector                                       |                 | Inner                     |
|                                       | Capacitor                                               | uF              | /                         |
| Outdoor fan motor                     | Drive                                                   | type            | Direct                    |
|                                       | Qty                                                     |                 | 1.00                      |
|                                       | Input                                                   | W               | 511.00                    |
|                                       | Capacitor                                               | uF              | 12μF/450V                 |
|                                       | Speed                                                   | r/min           | 1095                      |
| Outdoor coil                          | Number of rows                                          |                 | 1                         |
|                                       | Fin type                                                |                 | Unhydrophilic<br>aluminum |
|                                       | Number of circuits                                      |                 | 5                         |
|                                       | Tube O.D and type                                       | mm              | 7.00                      |
|                                       |                                                         |                 | Inner groove tube         |
| Outdoor noise level                   |                                                         | dB(A)           | 60                        |
| Dimension                             | Bady (WxDxH)                                            | inch            | 29.1x29.1x32.9            |
|                                       | Packing (WxDxH)                                         | inch            | 29.9x29.9x34.4            |
| Net/Gross weight                      |                                                         | lbs             | 168.8/157.8               |
| Refrigerant charge                    |                                                         | g               | R410A/2550                |
|                                       |                                                         | oz              | 90.0                      |
| Throttle type                         |                                                         |                 | Indoor Piston             |
| Design pressure (high side/low side)  |                                                         | MPa             | 4.0/1.2                   |
| Refrigerant piping                    | Liquid side/ Gas side                                   | mm              | Φ9.52/Φ19.05              |
|                                       |                                                         | inch            | 3/8"/3/4"                 |
|                                       | Max. refrigerant pipe length                            | m               | 15.00                     |
|                                       |                                                         | ft              | 49.2                      |
|                                       | Max. difference between<br>outdoor unit and indoor unit | m               | 4.00                      |
|                                       |                                                         | ft              | 13.12                     |
| Connection wiring                     | Power wiring                                            | mm <sup>2</sup> | 3*4.0                     |
|                                       | Signal wiring                                           | mm <sup>2</sup> | 4*0.75                    |
| Ambient temp                          |                                                         | °F              | 70~109                    |
| Service code                          |                                                         |                 | N/A                       |



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