



## Copeland Scroll Compressor Open Type Condensing Units



## LUCO Series

### Products features:

With Copeland Scroll Compressor  
ZB Series  
Horse Power: From 2HP to 12HP  
Refrigerant: R22, R404A  
Application: Medium Temperature  
Open type Air Cooled Units

**Copeland®**



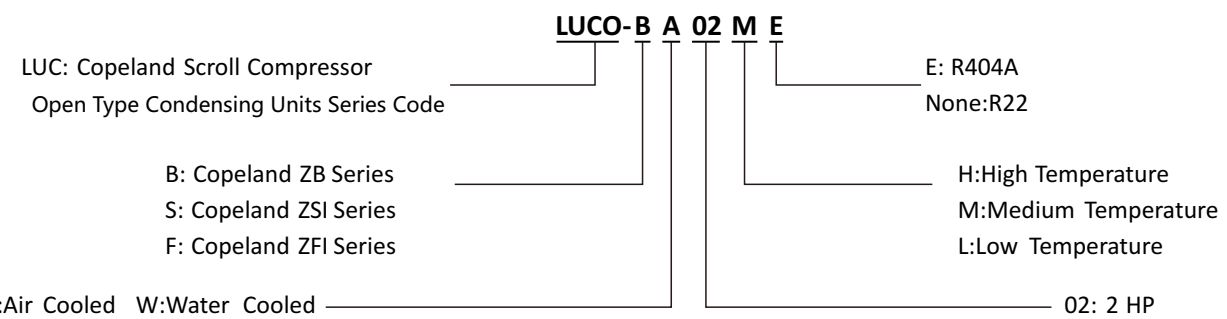
## LUCO SERIES

Copeland Scroll Compressor Open Type Condensing Units



**Copeland**<sup>®</sup>

### Model Description



### Products Description

Installed with Emerson Copeland scroll compressor  
High reliability, Low noise and High efficiency.

Low Noise and High efficient Axial Fan motor  
Equipped with well-known brand of refrigeration components  
Danfoss, Emerson, BLUE, and so on.  
Used for widely application

We offer additional components to meet your special requests



 Air Cooled R22

| Model                       |                        |                     | LUCO-BA02M    | LUCO-BA03M | LUCO-BA04M | LUCO-BA05M |
|-----------------------------|------------------------|---------------------|---------------|------------|------------|------------|
| Compressor model            |                        |                     | ZB15KQ        | ZB21KQ     | ZB29KQ     | ZB38KQ     |
| Applicable Temperature( °C) |                        |                     | +10~-15℃      |            |            |            |
| Refrigerant                 |                        |                     | R22           |            |            |            |
| Power supply                |                        |                     | 380V/3PH/50HZ |            |            |            |
| Condenser                   | Fan Qty                |                     | 1             | 2          | 2          | 2          |
|                             | Voltage (V)            |                     | 380V/3PH/50HZ |            |            |            |
|                             | Input(W)               |                     | 180           | 280        | 280        | 360        |
| Compressor Capacity         | Evaporating Tempe +5℃  | Cooling capacity(W) | 5190          | 7110       | 11000      | 12510      |
|                             |                        | Power (W)           | 1820          | 2590       | 3300       | 4260       |
|                             | Evaporating Tempe -5℃  | Cooling capacity(W) | 4050          | 5840       | 7300       | 9270       |
|                             |                        | Power (W)           | 1860          | 2530       | 2980       | 3780       |
|                             | Evaporating Tempe -12℃ | Cooling capacity(W) | 2930          | 4050       | 5450       | 6880       |
|                             |                        | Power (W)           | 1890          | 2530       | 2790       | 3400       |
| Pipe                        | Suction inlet(mm)      |                     | φ 19          | φ19        | φ 22       | φ 22       |
|                             | Liquid Dia (mm)        |                     | φ 10          | φ10        | φ12        | φ 12       |
| Overall Dimension           |                        | A (mm)              | 680           | 960        | 960        | 1060       |
|                             |                        | B (mm)              | 610           | 680        | 680        | 680        |
|                             |                        | C (mm)              | 570           | 470        | 520        | 730        |

 Air Cooled R404A

| Model                       |                        |                      | LUCO-BA02ME   | LUCO-BA03ME | LUCO-BA04ME | LUCO-BA05ME |
|-----------------------------|------------------------|----------------------|---------------|-------------|-------------|-------------|
| Compressor model            |                        |                      | ZB15KQE       | ZB21KQE     | ZB29KQE     | ZB38KQE     |
| Applicable Temperature( °C) |                        |                      | +10~-15℃      |             |             |             |
| Refrigerant                 |                        |                      | R404A         |             |             |             |
| Power supply                |                        |                      | 380V/3PH/50HZ |             |             |             |
| Condenser                   | Fan Qty                |                      | 1             | 2           | 2           | 2           |
|                             | Voltage (V)            |                      | 380V/3PH/50HZ |             |             |             |
|                             | Input(W)               |                      | 180           | 280         | 280         | 360         |
| Compressor Capacity         | Evaporating Tempe +5℃  | Cooling capacity (W) | 5270          | 7910        | 10450       | 12250       |
|                             |                        | Power (W)            | 1920          | 3020        | 4100        | 5440        |
|                             | Evaporating Tempe -5℃  | Cooling capacity (W) | 3750          | 5100        | 7000        | 8850        |
|                             |                        | Power (W)            | 1990          | 3100        | 3900        | 4700        |
|                             | Evaporating Tempe -12℃ | Cooling capacity (W) | 2920          | 4100        | 5600        | 7200        |
|                             |                        | Power (W)            | 1910          | 2980        | 3700        | 4480        |
| Pipe                        | Suction inlet(mm)      |                      | φ19           | φ19         | φ22         | φ22         |
|                             | Liquid Dia (mm)        |                      | φ10           | φ10         | φ12         | φ12         |
| Overall Dimension           |                        | A (mm)               | 680           | 960         | 960         | 1060        |
|                             |                        | B (mm)               | 610           | 680         | 680         | 680         |
|                             |                        | C (mm)               | 570           | 470         | 520         | 730         |

| Model                       |                        |                      | LUCO-BA06M    | LUCO-BA08M | LUCO-BA10M | LUCO-BA12M |
|-----------------------------|------------------------|----------------------|---------------|------------|------------|------------|
| Compressor model            |                        |                      | ZB45KQ        | ZB58KQ     | ZB76KQ     | ZB88KQ     |
| Applicable Temperature( °C) |                        |                      | +10~-15℃      |            |            |            |
| Refrigerant                 |                        |                      | R22           |            |            |            |
| Power supply                |                        |                      | 380V/3PH/50HZ |            |            |            |
| Condenser                   | Fan Qty                |                      | 2             | 2          | 4          | 4          |
|                             | Voltage (V)            |                      | 380V/3PH/50HZ |            |            |            |
|                             | Input(W)               |                      | 360           | 500        | 720        | 720        |
| Compressor Capacity         | Evaporating Tempe +5℃  | Cooling capacity (W) | 15200         | 20100      | 29200      | 32000      |
|                             |                        | Power (W)            | 5080          | 7690       | 8020       | 9500       |
|                             | Evaporating Tempe -5℃  | Cooling capacity (W) | 11600         | 15300      | 21500      | 23000      |
|                             |                        | Power (W)            | 4680          | 7130       | 7320       | 9200       |
|                             | Evaporating Tempe -12℃ | Cooling capacity (W) | 8790          | 12150      | 16550      | 17000      |
|                             |                        | Power (W)            | 4230          | 6780       | 7100       | 7300       |
| Pipe                        | Suction inlet(mm)      |                      | φ22           | φ 28       | φ 28       | φ 28       |
|                             | Liquid Dia (mm)        |                      | φ 12          | φ 16       | φ 16       | φ16        |
| Overall Dimension           |                        | A (mm)               | 1300          | 1300       | 1300       | 1300       |
|                             |                        | B (mm)               | 750           | 850        | 850        | 850        |
|                             |                        | C (mm)               | 770           | 1170       | 1420       | 1520       |

| Model                       |                        |                      | LUCO-BA06ME   | LUCO-BA08ME | LUCO-BA10ME | LUCO-BA12ME |
|-----------------------------|------------------------|----------------------|---------------|-------------|-------------|-------------|
| Compressor model            |                        |                      | ZB45KQE       | ZB58KQE     | ZB76KQE     | ZB88KQE     |
| Applicable Temperature( °C) |                        |                      | +10~-15℃      |             |             |             |
| Refrigerant                 |                        |                      | R404A         |             |             |             |
| Power supply                |                        |                      | 380V/3PH/50HZ |             |             |             |
| Condenser                   | Fan Qty                |                      | 2             | 2           | 4           | 4           |
|                             | Voltage (V)            |                      | 380V/3PH/50HZ |             |             |             |
|                             | Input (W)              |                      | 360           | 500         | 720         | 720         |
| Compressor Capacity         | Evaporating Tempe +5℃  | Cooling capacity (W) | 13400         | 19950       | 28982       | 31761       |
|                             |                        | Power (W)            | 6130          | 7670        | 7999        | 9475        |
|                             | Evaporating Tempe -5℃  | Cooling capacity (W) | 10100         | 14650       | 20587       | 22023       |
|                             |                        | Power (W)            | 5820          | 7060        | 7248        | 9110        |
|                             | Evaporating Tempe -12℃ | Cooling capacity (W) | 8060          | 11400       | 15528       | 15951       |
|                             |                        | Power (W)            | 5370          | 6900        | 7226        | 7429        |
| Pipe                        | Suction inlet(mm)      |                      | φ22           | φ28         | φ28         | φ28         |
|                             | Liquid Dia (mm)        |                      | φ12           | φ16         | φ16         | φ16         |
| Overall Dimension           |                        | A (mm)               | 1300          | 1300        | 1300        | 1300        |
|                             |                        | B (mm)               | 750           | 850         | 850         | 850         |
|                             |                        | C (mm)               | 770           | 1170        | 1420        | 1520        |