



## Bitzer Compressor Condensing Units With U/V Type Condenser



### LUBU/LUBV Series

#### Products features:

- With Bitzer Semi-hermetic Compressor
- Horse Power: From 5HP to 44HP
- Refrigerant: R404A
- Application: Medium Temperature,  
Low Temperature
- Air Cooled with U type condenser
- Air Cooled with V type condenser



## LUBU / LUBV SERIES

Bitzer Compressor With U / V Type Condenser Condensing Units

**LUBU**  
**LUBV**



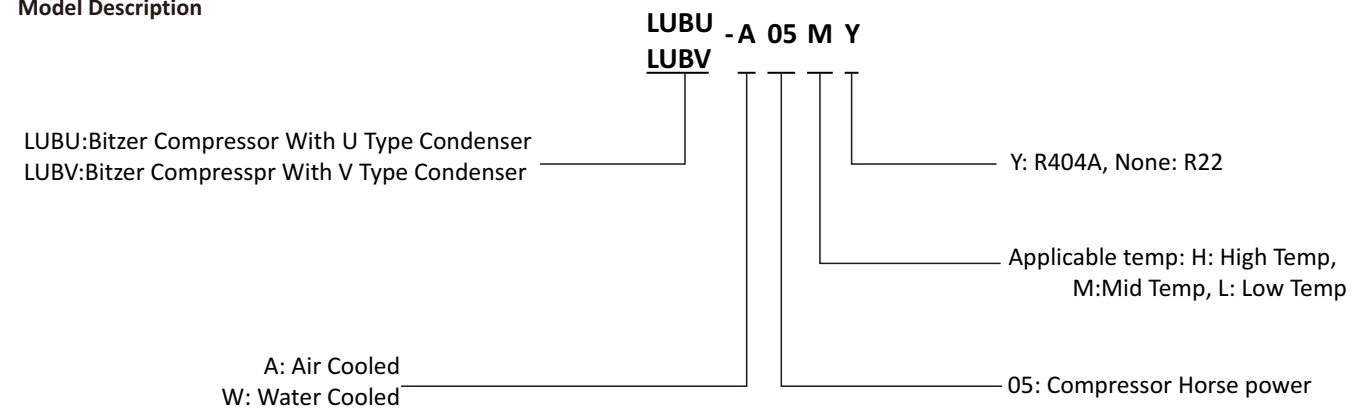
### Products description:

Box type, compact structure and good-looking figure;  
Scientific designs, steady air flow, can fully exert heat-transfer capacity of the condensing unit;  
Rational performance design, high energy efficiency;  
Axial fan, good-looking figure, low processing noise level;  
Convenient design for maintain (front board can be easily take down);

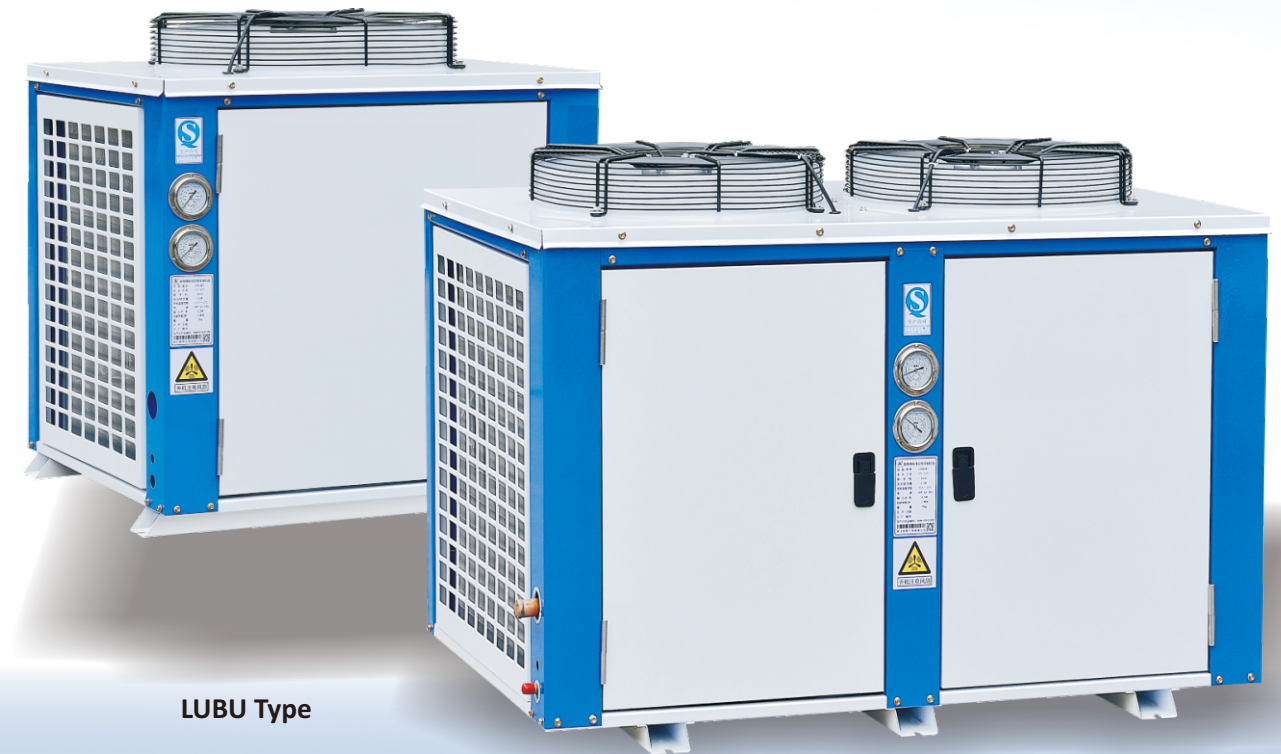
### Range of application :

Refrigeration industry, cold room project;  
Agricultural, food, restaurant, chemical industry

### Model Description



LUBV Type



LUBU Type



 **LUBU Bitzer Compresspr With U Type Condenser**

Air Cooled Low Temp (R404A)

| Model                      |                     |              | LUBU-A05LY    | LUBU-A09LY | LUBU-A12LY | LUBU-A14LY |
|----------------------------|---------------------|--------------|---------------|------------|------------|------------|
| Compressor model           |                     |              | 4DES-5Y       | 4TES-9Y    | 4PES-12Y   | 4NES-14Y   |
| Applicable Temperature(°C) |                     |              | -15°C ~-30 °C |            |            |            |
| Refrigerant                |                     |              | R404A         |            |            |            |
| Power supply               |                     |              | 380V/3PH/50Hz |            |            |            |
| Condenser                  | Quantity of Fan     |              | 1             | 2          | 2          | 2          |
|                            | Power of Fan(W)     |              | 330           | 160×2      | 230×2      | 230×2      |
| Compressor Capacity        | Temp -25°C          | Capacity (W) | 5900          | 8620       | 9500       | 11700      |
|                            |                     | Input(KW)    | 4.55          | 6.35       | 6.88       | 8.58       |
|                            | Temp -30°C          | Capacity (W) | 4400          | 6310       | 6830       | 8550       |
|                            |                     | Input(KW)    | 3.94          | 5.38       | 5.74       | 7.24       |
|                            | Temp -35°C          | Capacity (W) | 3200          | 4460       | 4710       | 6030       |
|                            |                     | Input(KW)    | 3.34          | 4.46       | 4.64       | 5.94       |
|                            | Temp -40°C          | Capacity (W) | 2250          | 3000       | 3060       | 4060       |
|                            |                     | Input(KW)    | 2.76          | 3.61       | 3.62       | 4.72       |
| Pipe                       | Liquid Dia (inch)   |              | 1/2           | 5/8        | 5/8        | 5/8        |
|                            | Suction inlet(inch) |              | 1-1/8         | 1-3/8      | 1-3/8      | 1-3/8      |
| Overall Dimension          |                     | Length (mm)  | 990           | 1240       | 1500       | 1500       |
|                            |                     | Width (mm)   | 753           | 803        | 854        | 903        |
|                            |                     | Height (mm)  | 857           | 852        | 867        | 875        |

| Model                      |                     |              | LUBU-A18LY    | LUBU-A23LY | LUBU-A28LY | LUBU-A34LY |
|----------------------------|---------------------|--------------|---------------|------------|------------|------------|
| Compressor model           |                     |              | 4HE-18Y       | 4GE-23Y    | 6HE-28Y    | 6GE-34Y    |
| Applicable Temperature(°C) |                     |              | -15°C ~-30 °C |            |            |            |
| Refrigerant                |                     |              | R404A         |            |            |            |
| Power supply               |                     |              | 380V/3PH/50Hz |            |            |            |
| Condenser                  | Quantity of Fan     |              | 2             | 2          | 2          | 2          |
|                            | Power of Fan(W)     |              | 450×2         | 600×2      | 520×2      | 830×2      |
| Compressor Capacity        | Temp -25°C          | Capacity (W) | 16690         | 19670      | 23500      | 29700      |
|                            |                     | Input(KW)    | 12            | 14.27      | 17.13      | 21.8       |
|                            | Temp -30°C          | Capacity (W) | 12450         | 14820      | 17760      | 22600      |
|                            |                     | Input(KW)    | 10.35         | 12.33      | 14.78      | 18.95      |
|                            | Temp -35°C          | Capacity (W) | 9000          | 10870      | 12980      | 16680      |
|                            |                     | Input(KW)    | 8.75          | 10.46      | 12.46      | 16.19      |
|                            | Temp -40°C          | Capacity (W) | 6220          | 7690       | 9070       | 11910      |
|                            |                     | Input(KW)    | 7.23          | 8.71       | 10.4       | 13.56      |
| Pipe                       | Liquid Dia (inch)   |              | 3/4           | 3/4        | 3/4        | 7/8        |
|                            | Suction inlet(inch) |              | 1-5/8         | 1-3/8      | 2-1/8      | 2-1/8      |
| Overall Dimension          |                     | Length (mm)  | 1500          | 1606       | 1704       | 1704       |
|                            |                     | Width (mm)   | 953           | 1003       | 1053       | 1053       |
|                            |                     | Height (mm)  | 867           | 1004       | 1108       | 1108       |

1.Rated input power and current is the number under ARI working condition;

2.Unit nominal refrigeration capacity testing working condition: evaporating temperature -18°C, ambient temperature 32°C, degree of superheat 0°C, degree of super-cooling5°C

 **LUBV Bitzer Compresspr With V Type Condenser**

Air Cooled Medium Temp (R404A)

| Model                       |                      |             | LUBV-A20MY    | LUBV-A25MY | LUBV-A30MY | LUBV-A35MY | LUBV-A40MY |
|-----------------------------|----------------------|-------------|---------------|------------|------------|------------|------------|
| Compressor model            |                      |             | 4NE-20Y       | 4HE-25Y    | 4GE-30Y    | 6HE-35Y    | 6GE-40Y    |
| Applicable Temperature( °C) |                      |             | -10°C ~ 5 °C  |            |            |            |            |
| Refrigerant                 |                      |             | R404A         |            |            |            |            |
| Power supply                |                      |             | 380V/3PH/50Hz |            |            |            |            |
| Condenser                   | Fan Qty              |             | 2             | 2          | 2          | 3          | 3          |
|                             | Air Volume(m³/h)     |             | 2*12200       | 2*15000    | 2*19000    | 3*13200    | 3*15000    |
|                             | Input (W)            |             | 2*800         | 2*750      | 2*1100     | 3*550      | 3*750      |
| Compressor Capacity         | Eavp -0°C            | capacity(W) | 41650         | 60950      | 65950      | 81650      | 85050      |
|                             |                      | Input(KW)   | 18.05         | 22.3       | 26.9       | 34.4       | 38.6       |
|                             | Eavp-20°C            | capacity(W) | 36050         | 52250      | 57950      | 70850      | 76450      |
|                             |                      | Input(KW)   | 15.85         | 20.6       | 25         | 31.8       | 38.3       |
|                             | Eavp-25°C            | capacity(W) | 21750         | 30300      | 36200      | 43200      | 48300      |
|                             |                      | Input(KW)   | 12.15         | 15.85      | 18.85      | 25.2       | 27.5       |
| Pipe                        | Suction inlet (Inch) |             | 3/4"          | 3/4"       | 3/4"       | 7/8"       | 7/8"       |
|                             | Liquid Dia (inch)    |             | 1-5/8"        | 2-1/8"     | 2-1/8"     | 2-1/8"     | 2-1/8"     |
| Overall Dimension           |                      | Length (mm) | 1750          | 1900       | 2250       | 2650       | 2950       |
|                             |                      | Width (mm)  | 1000          | 1175       | 1175       | 1175       | 1175       |
|                             |                      | Height (mm) | 1900          | 1980       | 1980       | 1980       | 1980       |

Air Cooled Low Temp (R404A)

| Model               |                      |             | LUBV-A18LY    | LUBV-A23LY | LUBV-A28LY | LUBV-A34LY | LUBV-A44LY |
|---------------------|----------------------|-------------|---------------|------------|------------|------------|------------|
| Compressor model    |                      |             | 4HE-18Y       | 4GE-23Y    | 6HE-28Y    | 6GE-34Y    | 6FE-44Y    |
| Temperature( °C )   |                      |             | -15°C ~-30 °C |            |            |            |            |
| Refrigerant         |                      |             | R404A         |            |            |            |            |
| Power supply        |                      |             | 380V/3PH/50Hz |            |            |            |            |
| Condenser           | Fan Qty              |             | 2             | 2          | 2          | 2          | 2          |
|                     | Air Volume(m³/h)     |             | 2*8720        | 2*10820    | 2*10820    | 2*15000    | 2*19000    |
|                     | Input (W)            |             | 2*780         | 2*780      | 2*780      | 2*750      | 2*1100     |
| Compressor Capacity | Eavp-0°C             | capacity(W) | 25400         | 28700      | 31700      | 41600      | 46400      |
|                     |                      | Input(KW)   | 16.7          | 19.8       | 25.4       | 23.6       | 27.7       |
|                     | Eavp-20°C            | capacity(W) | 1330          | 17210      | 22420      | 27030      | 30450      |
|                     |                      | Input(KW)   | 9.56          | 12.8       | 14.05      | 18.5       | 21.2       |
|                     | Eavp-25°C            | capacity(W) | 10400         | 13650      | 18150      | 20980      | 23470      |
|                     |                      | Input(KW)   | 8.4           | 10.05      | 16.2       | 16.15      | 18.15      |
| Pipe                | Suction inlet (Inch) |             | 5/8"          | 3/4"       | 3/4"       | 7/8"       | 7/8"       |
|                     | Liquid Dia (inch)    |             | 1-5/8"        | 2-1/8"     | 2-1/8"     | 2-1/8"     | 2-5/8"     |
| overall dimension   |                      | Length (mm) | 1430          | 1470       | 1700       | 1900       | 2250       |
|                     |                      | Width (mm)  | 1000          | 1000       | 1000       | 1175       | 1175       |
|                     |                      | Height (mm) | 1080          | 1180       | 1780       | 1980       | 1980       |