

# Commercial Unit Coolers




- Optimised 1/2" Copper Tube Coils
- Light Weight Alu Case - 'Signal White' Powder Coat
- Factory Applied "Blue Coil Coat" Corrosion Protection
- High Airflow External Rotor Motors
- Turbo Heat Exchangers
- Reversible Drain Trays
- Low Temp Heater Safety Klixon


## JC SERIES

10 60 kW

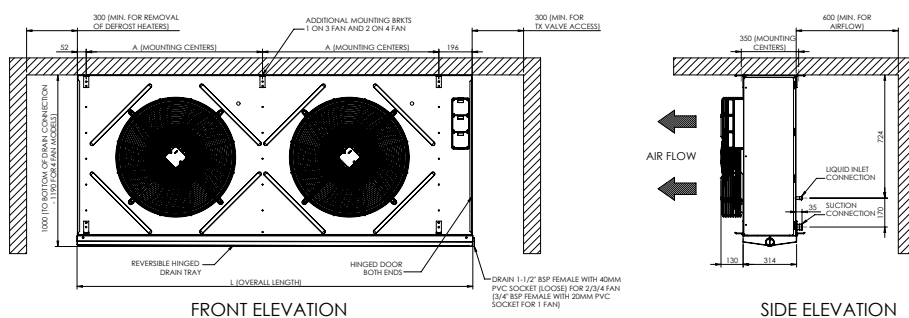
### MEDIUM TEMP

| MODELS   | JMC   | 140   | 155   | 230   | 275   | 305   | 340   | 410   | 450   | 545   | 605   |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Capacity   | R404A | 13.65 | 15.09 | 22.53 | 27.30 | 29.94 | 33.75 | 40.95 | 45.03 | 54.45 | 60.09 |
| kW @ 6 KTD<br>-4°C SST   | R407F | 14.31 | 15.84 | 23.64 | 28.65 | 31.38 | 35.25 | 42.99 | 47.28 | 57.15 | 63.06 |
|  | R22   | 13.41 | 14.70 | 22.11 | 26.97 | 29.37 | 33.12 | 41.16 | 44.19 | 53.46 | 58.95 |
|  | R134a | 12.42 | 13.71 | 20.49 | 24.84 | 27.24 | 30.69 | 37.26 | 40.98 | 49.56 | 54.66 |
| T.X Valve  | R404A | C-SW  | C-SW  | 6-SW  | 6-SW  | 10-SW | 10-SW | 13-SW | 13-SW | 13-SW | 21-SW |
| SCE / EBB<br> | R407F | B-VW  | C-VW  | D-VW  | 8-VW  | 8-VW  | 8-VW  | 11-VW | 15-VW | 15-VW | 15-VW |
|  | R22   | B-VW  | C-VW  | D-VW  | 8-VW  | 8-VW  | 8-VW  | 11-VW | 11-VW | 15-VW | 15-VW |
|  | R134a | C-JW  | C-JW  | D-JW  | 5-JW  | 5-JW  | 7-JW  | 9-JW  | 9-JW  | 12-JW | 12-JW |

### LOW TEMP

| MODELS   | JLC   | 100   | 175   | 220     | 260   | 330   | 435   |
|--|-------|-------|-------|---------|-------|-------|-------|
| Capacity   | R404A | 10.92 | 17.07 | 21.87   | 25.59 | 32.76 | 43.68 |
| kW @ 6 KTD<br>-24°C SST  | R407F | 10.80 | 16.89 | 21.60   | 25.32 | 32.43 | 43.23 |
|  | R22   | 10.71 | 16.74 | 21.42   | 25.11 | 32.10 | 42.81 |
|  | R134a | 9.27  | 14.52 | 18.60   | 21.75 | 27.84 | 37.11 |
| T.X Valve  | R404A | 6-SW  | 6-SW  | 7-1/2SW | 10-SW | 13-SW | 21-SW |
| SCE / EBB<br> | R407F | C-VW  | 8-VW  | 8-VW    | 8-VW  | 11-VW | 15-VW |
|  | R22   | C-VW  | 8-VW  | 8-VW    | 8-VW  | 11-VW | 15-VW |
|  | R134a | C-JZ  | 5-JZ  | 7-JZ    | 9-JZ  | 9-JZ  | 12-JZ |

## DIMENSIONS



NTS (mm)

## MEDIUM TEMP

| MODELS     | JMC          | 140         | 155    | 230    | 275    | 305    | 340    | 410    | 450    | 545    | 605    |
|------------|--------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Air Throw  | m            | 27.0        | 26.0   | 29.0   | 28.0   | 27.0   | 31.0   | 30.0   | 30.0   | 31.0   | 30.0   |
| Air Volume | l/sec        | 3730        | 3447   | 7923   | 7460   | 6893   | 11884  | 11190  | 10339  | 14920  | 13786  |
| Fan Motors | Ø 630mm      | Num.        | 1      | 1      | 2      | 2      | 2      | 3      | 3      | 4      | 4      |
|            |              | Watts       | 1250   | 1250   | 2500   | 2500   | 2500   | 3750   | 3750   | 5000   | 5000   |
|            |              | Amps        | 2.5    | 2.5    | 5.0    | 5.0    | 5.0    | 7.5    | 7.5    | 10.0   | 10.0   |
| Coil       | Circuit Vol. | dm³         | 20.76  | 20.76  | 27.68  | 41.52  | 41.52  | 41.52  | 62.29  | 62.29  | 83.05  |
|            | Connection   | Dist Inlet  | 1/2"   | 1/2"   | 5/8"   | 5/8"   | 5/8"   | 5/8"   | 5/8"   | 7/8"   | 7/8"   |
|            | F.Sw         | Suct Outlet | 1-3/8" | 1-3/8" | 1-3/8" | 1-3/8" | 1-3/8" | 1-5/8" | 1-5/8" | 2-1/8" | 2-1/8" |
|            |              | fpi         | 5      | 7      | 5      | 5      | 7      | 5      | 5      | 7      | 7      |
|            | Defrost      | Watts       | 4120   | 4120   | 6450   | 6450   | 6450   | 9490   | 9490   | 10420  | 10420  |
| Dimensions | L            |             | 1306   | 1306   | 2326   | 2326   | 2326   | 3346   | 3346   | 3686   | 3686   |
|            | A            |             | 1050   | 1050   | 1036   | 1036   | 1036   | 1036   | 1036   | 1716   | 1716   |
| Net Weight | kg           |             | 96     | 112    | 128    | 171    | 207    | 189    | 251    | 299    | 401    |

## LOW TEMP

| MODELS     | JLC          | 100         | 175    | 220    | 260    | 330    | 435    |
|------------|--------------|-------------|--------|--------|--------|--------|--------|
| Air Throw  | m            | 26.0        | 28.0   | 27.0   | 30.0   | 31.0   | 32.0   |
| Air Volume | l/sec        | 3730        | 7923   | 7460   | 11884  | 11190  | 14920  |
| Fan Motors | Ø 630mm      | Num.        | 1      | 2      | 2      | 3      | 4      |
|            |              | Watts       | 1250   | 2500   | 2500   | 3750   | 5000   |
|            |              | Amps        | 2.5    | 5.0    | 5.0    | 7.5    | 10.0   |
| Coil       | Circuit Vol. | dm³         | 20.76  | 27.68  | 41.52  | 41.52  | 83.05  |
|            | Connection   | Dist Inlet  | 1/2"   | 5/8"   | 5/8"   | 5/8"   | 7/8"   |
|            | F.Sw         | Suct Outlet | 1-3/8" | 1-3/8" | 1-3/8" | 1-5/8" | 2-1/8" |
|            |              | fpi         | 5      | 5      | 5      | 5      | 5      |
|            | Defrost      | Watts       | 7180   | 12900  | 12900  | 18980  | 20840  |
| Dimensions | L            |             | 1306   | 2326   | 2326   | 3346   | 3686   |
|            | A            |             | 1050   | 1036   | 1036   | 1036   | 1716   |
| Net Weight | kg           |             | 102    | 136    | 179    | 199    | 338    |

### CAPACITY CORRECTION

| JMC @ °C SST | JLC @ °C SST |
|--------------|--------------|
| 5°           | 1.17         |
| 0°           | 1.07         |
| -5°          | 0.99         |
| -10°         | 0.93         |

### RELATIVE HUMIDITY GUIDE

| Temp Diff | R.H % | Temp Diff | R.H % |
|-----------|-------|-----------|-------|
| 2K        | 94    | 10K       | 77    |
| 4K        | 89    | 12K       | 73    |
| 6K        | 84    | 14K       | 70    |
| 8K        | 81    | 16K       | 66    |

### NOTES:

- Air throw based on CRMA standard @ 20°C  
Multiply figures by 0.94 for 2°C and 0.87 for -18°C
- Fan motors 380-420V/3/50Hz
- Defrost heaters 220-240V/1/50Hz  
Connect in Y for 380-420/3/50 supply

Specifications subject to change without notice