

## Copeland ZXL Condensing Units



- Reliable and Efficient Copeland ZX Scroll Compressors
- Features : Vapour Injection/Liquid sub-cooling, Phase Protection, Reverse Rotation, Over Current, Discharge Over Temp, Over & Under Voltage Protection, Floodback Prediction, Fresh Start Logic, Short Cycle Protection, Fan Speed Control. c/w Fault Code History & Remote Alarming Facility. Liquid Line insulation req'd on all ZXL installations
- Supplied c/w : Accumulator, Fixed HP, Adjustable LP, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Sound Jacket, Circuit Breaker, Suction Transducer.

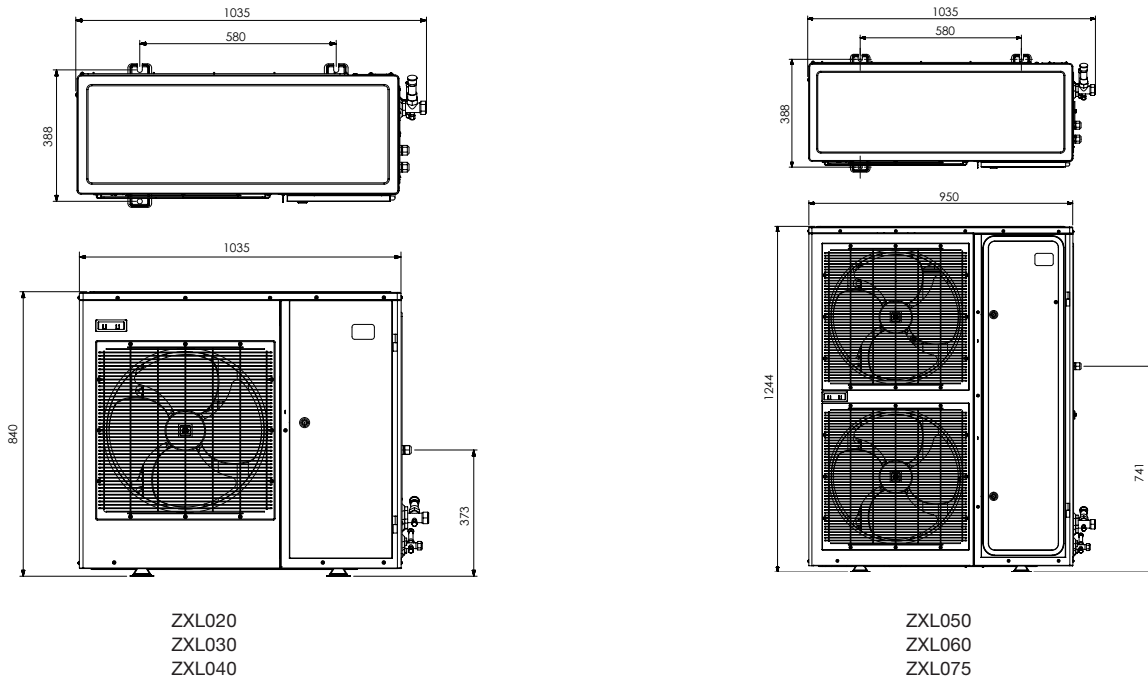
### ZXL SCROLL 020 - 750

2.0 7.5 hp

#### CAPACITY (Watts) @ 38°C Ambient

| Model        | Nom. hp | Refrigerant | Evaporating Temp °C |      |      |      |      |       |       |       |
|--------------|---------|-------------|---------------------|------|------|------|------|-------|-------|-------|
|              |         |             | -40                 | -35  | -30  | -25  | -20  | -15   | -10   | -5    |
| ZXL020BE-PFJ | 2.0     | R407F       | 1140                | 1470 | 1910 | 2430 | 3040 | 3710  | 4430  | 5190  |
| ZXL020BE-TFD |         | R448A       | 1000                | 1290 | 1640 | 2050 | 2520 | 3060  | 3660  | 4320  |
|              |         | R404A       | 1250                | 1490 | 1930 | 2400 | 2920 | 3470  | 4070  | 5380  |
| ZXL030BE-PFJ | 3.0     | R407F       | 1600                | 2070 | 2650 | 3330 | 4110 | 5040  | 6140  | 7450  |
| ZXL030BE-TFD |         | R448A       | 1600                | 1840 | 2210 | 2740 | 3400 | 4220  | 5180  | 6300  |
|              |         | R404A       | 2000                | 2330 | 2770 | 3310 | 3920 | 4590  | 5310  | 6950  |
| ZXL040BE-TFD | 4.0     | R407F       | 2730                | 3470 | 4300 | 5230 | 6260 | 7420  | 8710  | 10130 |
|              |         | R448A       | 2300                | 2900 | 3630 | 4460 | 5390 | 6420  | 7540  | 8730  |
|              |         | R404A       | 2850                | 3560 | 4370 | 5270 | 6250 | 7280  | 8360  | 9480  |
| ZXL050BE-TFD | 5.0     | R407F       | 2900                | 3620 | 4670 | 5960 | 7400 | 8940  | 10480 | 11920 |
|              |         | R448A       | 2570                | 3250 | 4100 | 5100 | 6220 | 7430  | 8690  | 9980  |
|              |         | R404A       | 3250                | 4030 | 4980 | 6060 | 7220 | 8430  | 9650  | 10840 |
| ZXL060BE-TFD | 6.0     | R407F       | 3600                | 4520 | 5740 | 7220 | 8880 | 10690 | 12560 | 14420 |
|              |         | R448A       | 3300                | 4100 | 5060 | 6190 | 7460 | 8870  | 10410 | 12070 |
|              |         | R404A       | 4070                | 5020 | 6120 | 7340 | 8660 | 10080 | 11570 | 13110 |
| ZXL075BE-TFD | 7.5     | R407F       | 3980                | 5050 | 6380 | 7940 | 9700 | 11600 | 13630 | 15730 |
|              |         | R448A       | 3650                | 4590 | 5650 | 6830 | 8150 | 9640  | 11310 | 13170 |
|              |         | R404A       | 4490                | 5610 | 6800 | 8080 | 9460 | 10940 | 12550 | 14300 |

## DIMENSIONS



NTS (mm)

## TECHNICAL DATA

| MODEL    | COMPRESSOR |              |              |          |          | CONDENSER       |            |            |           | RECEIVER          | CONNECTIONS |        | Noise Level (dbA) (3) | Wgt (kg) |
|----------|------------|--------------|--------------|----------|----------|-----------------|------------|------------|-----------|-------------------|-------------|--------|-----------------------|----------|
|          | Nom. hp    | Model        | Voltage      | RLA Amps | LRA Amps | Airflow (l/sec) | Fan Motors |            |           | Capacity (kg) (2) | Suction     | Liquid |                       |          |
|          |            |              |              |          |          |                 | No. (1)    | Tot. Watts | Tot. Amps |                   |             |        |                       |          |
| ZXL020BE | 2.0        | ZXI06KCE-PFJ | 220-240/1/50 | 12.7     | 56.6     | 811             | 1 x 450    | 116        | 0.6       | 4.4               | 3/4"        | 1/2"   | 56                    | 79       |
| ZXL020BE | 2.0        | ZXI06KCE-TFD | 380-420/3/50 | 5.7      | 39.2     | 811             | 1 x 450    | 116        | 0.6       | 4.4               | 3/4"        | 1/2"   | 56                    | 79       |
| ZXL030BE | 3.0        | ZXI09KCE-PFJ | 220-240/1/50 | 15.1     | 82.3     | 811             | 1 x 450    | 116        | 0.6       | 4.4               | 3/4"        | 1/2"   | 56                    | 81       |
| ZXL030BE | 3.0        | ZXI09KCE-TFD | 380-420/3/50 | 6.0      | 39.2     | 811             | 1 x 450    | 116        | 0.6       | 4.4               | 3/4"        | 1/2"   | 56                    | 81       |
| ZXL040BE | 4.0        | ZXI14KCE-TFD | 380-420/3/50 | 8.6      | 51.5     | 811             | 1 x 450    | 116        | 0.6       | 4.4               | 7/8"        | 1/2"   | 56                    | 93       |
| ZXL050BE | 5.0        | ZXI15KCE-TFD | 380-420/3/50 | 10.0     | 51.5     | 1641            | 2 x 450    | 246        | 1.2       | 6.3               | 7/8"        | 1/2"   | 60                    | 106      |
| ZXL060BE | 6.0        | ZXI18KCE-TFD | 380-420/3/50 | 11.1     | 74.0     | 1641            | 2 x 450    | 246        | 1.2       | 6.3               | 7/8"        | 1/2"   | 60                    | 116      |
| ZXL075BE | 7.5        | ZXI21KCE-TFD | 380-420/3/50 | 14.6     | 101.0    | 1641            | 2 x 450    | 246        | 1.2       | 6.3               | 7/8"        | 1/2"   | 60                    | 121      |

The company reserves the right to make specification changes without notice.

### NOTES:

- 450mm Cond Fans - 220-240/1/50
- R404A pump down capacity @ 80% full for 32° C liquid temp.
- All noise level ratings are SOUND PRESSURE based at a distance of 1.0 mtr and are given as a guide only.
- All ZXL units have vapour injection/liquid sub-cooling via PHX in unit.
- Insulate liquid line on installation of unit due to sub-cooled liquid.

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