

## ZX Condensing Units



# Scroll Condensing Units



- Reliable and efficient Copeland ZX Scroll Compressors.
- Features : Compressor Phase, Reverse Rotation, Over Current, Discharge Over Temp, Over & Under Voltage Protection, Floodback Prediction, Fresh Start Logic, Short Cycle Protection. c/w Fault Code history & remote alarming facility.
- Supplied fully wired (less isolator) c/w: Contactor, Circuit Breaker, Fan Speed Controller, Fixed HP, Fixed LP, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Sound Jacket, Suction Transducer.

**ZX** SCROLL 020 - 076

2.0 7.6 hp

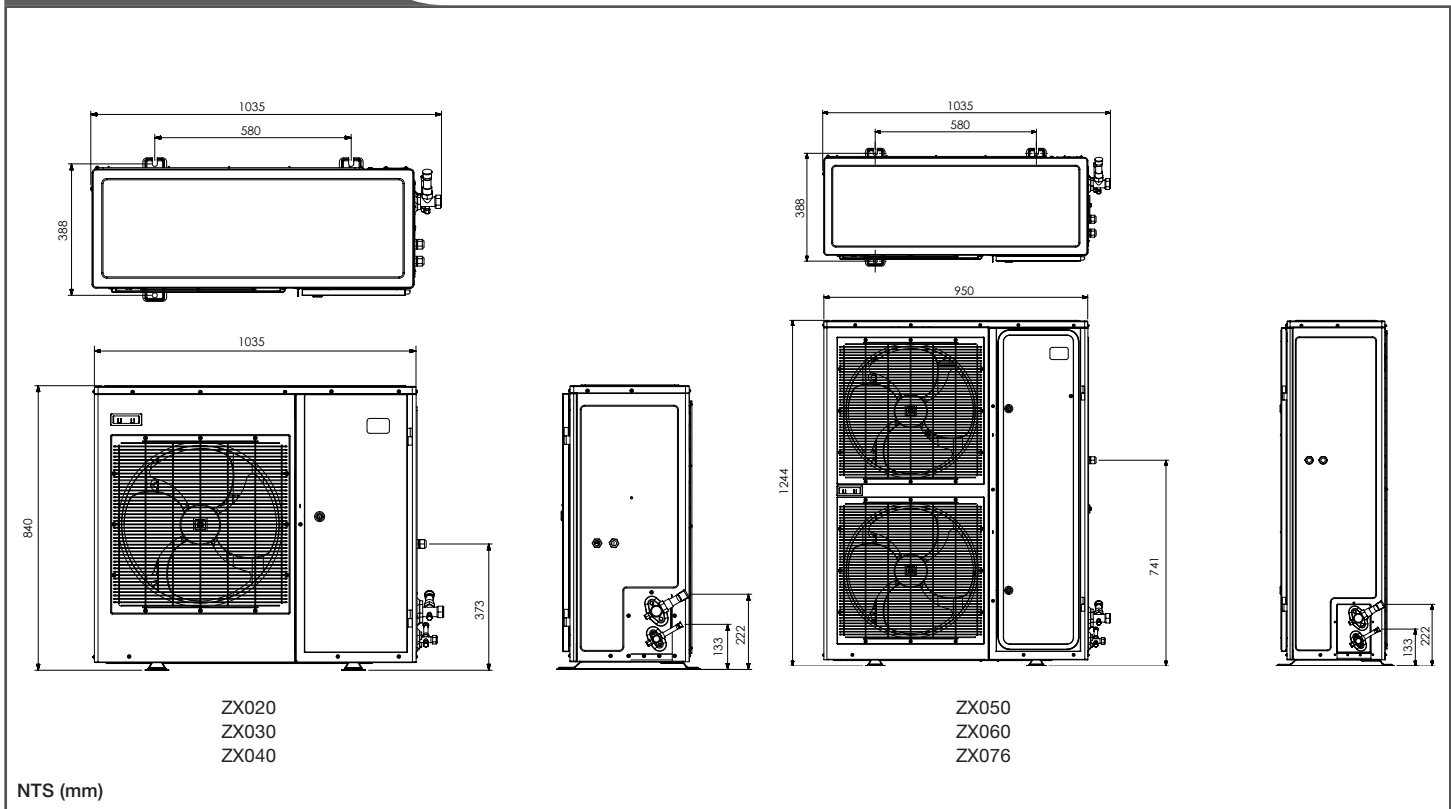
**COPELAND™**

**CAPACITY (Watts) @ 32°C Ambient**

Model	Nom. hp	Refrigerant	Evaporating Temp °C						
			-20	-15	-10	-5	0	5	10
ZX020BE-PFJ	2.0	R134a	-	-	-	2660	3260	3920	4670
		R407F	-	-	3570	4280	5080	5990	7020
		R449A	2220	2780	3420	4140	4940	5820	6790
		R404A	2460	3000	3600	4250	4960	5720	-
ZX030BE-PFJ	3.0	R134a	-	-	-	3950	4820	5800	6900
		R407F	-	-	5210	6270	7450	8740	10150
		R449A	3360	4150	5050	6060	7190	8420	9770
		R404A	3750	4500	5330	6240	7240	8310	-
ZX040BE-PFJ	4.0	R134a	-	-	-	5300	6470	7780	9230
		R407F	-	4950	5990	7130	8430	9900	-
		R449A	4320	5270	6330	7520	8820	10250	11800
		R404A	4730	5740	6830	8010	9270	10600	-
ZX050BE-TFD	5.0	R134a	-	-	-	6770	8220	9870	11700
		R407F	-	-	8640	10350	12250	14400	16750
		R449A	5750	7210	8770	10500	12450	14600	17050
		R404A	6390	7680	9120	10700	12450	14350	-
ZX060BE-TFD	6.0	R134a	-	-	-	8030	9760	11700	13800
		R407F	-	-	9740	11750	13950	16350	18850
		R449A	6620	8280	10050	12000	14200	16650	19350
		R404A	7340	8800	10400	12200	14100	16200	-
ZX076BE-TFD	7.6	R134a	-	-	-	9130	11000	13150	15500
		R407F	-	-	11200	13550	16100	18850	21700
		R449A	7610	9520	11600	13850	16350	19150	22300
		R404A	8370	10050	11900	13900	16100	18500	-

ZX SCROLL

## DIMENSIONS



## 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					
ZX020BE	2.0	ZX15KCE-PFJ	220-240/1/50	13.6	58.0	967	1 x 450	116	0.6	4.4	3/4"	1/2"	39	76
ZX030BE	3.0	ZX21KCE-PFJ	220-240/1/50	17.2	82.0	967	1 x 450	116	0.6	4.4	3/4"	1/2"	40	79
ZX040BE	4.0	ZX29KCE-PFJ	220-240/1/50	24.3	114.0	967	1 x 450	116	0.6	4.4	3/4"	1/2"	40	91
ZX050BE	5.0	ZX38KCE-TFD	380-420/3/50	14.4	58.6	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	41	108
ZX060BE	6.0	ZX45KCE-TFD	380-420/3/50	14.7	67.0	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	41	112
ZX076BE	7.6	ZX51KCE-TFD	380-420/3/50	15.6	101.0	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	42	118

- NOTES:
- 450mm Cond Fans - 220-240/1/50
  - R404A pump down capacity @ 80% full for 32° C liquid temp.
  - All noise level ratings are based on a distance of 10.0 mtrs according to ISO 3744 and are given as a guide only.

The company reserves the right to make specification changes without notice. NZ 17/10/2018

# Scroll Condensing Units



- Reliable and efficient Copeland ZXD Digital Scroll Compressors.
- Features : Compressor Phase, Reverse Rotation, Over Current, Discharge Over Temp, Over & Under Voltage Protection. Floodback Prediction, Short Cycle Protection. c/w Fault Code history & remote alarming facility.
- Supplied fully wired (less isolator) c/w: Contactor, Circuit Breaker, Fan Speed Controller, Fixed HP, Fixed LP, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Sound Jacket, Suction Transducer.

**ZXD** DIGITAL SCROLL 030 - 076

3.0 7.6 hp

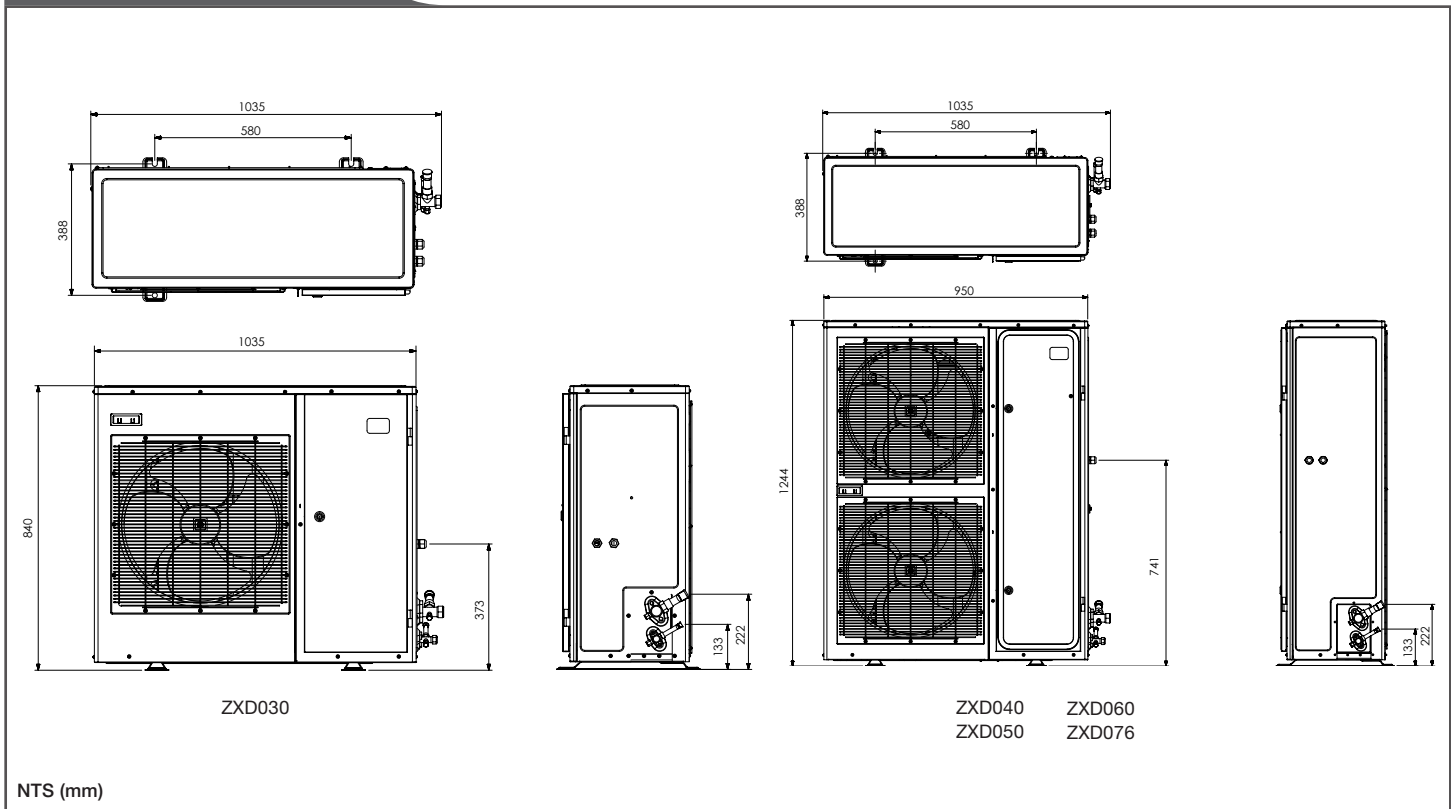
**COPELAND™**

**CAPACITY** (Watts) @ 32°C Ambient

Model	Nom. hp	Refrigerant	Evaporating Temp °C						
			-20	-15	-10	-5	0	5	10
ZXD030BE-TFD	3.0	R134a	-	-	3330	4020	4800	5700	6720
		R407F	-	-	4940	5970	7080	8290	9590
		R449A	3430	4230	5130	6140	7250	8470	9800
		R404A	3670	4420	5270	6190	7180	8210	9270
ZXD040BE-TFD	4.0	R134a	-	-	4290	5340	6560	7970	9560
		R407F	4670	5850	7200	8750	10500	12400	14500
		R449A	4750	5900	7210	8690	10350	12250	14300
		R404A	5290	6370	7580	8940	10450	12150	14000
ZXD050BE-TFD	5.0	R134a	-	-	5260	6530	8010	9680	11550
		R407F	5650	7040	8640	10450	12400	14550	16800
		R449A	5830	7150	8650	10350	12250	14400	16750
		R404A	6360	7620	9030	10600	12250	14100	16050
ZXD060BE-TFD	6.0	R134a	-	-	6340	7880	9650	11650	13800
		R407F	5850	7300	8960	10850	12900	15100	17500
		R449A	6820	8350	10100	12000	14200	16600	19200
		R404A	7420	8860	10450	12200	14050	16050	18150
ZXD076BE-TFD	7.6	R134a	-	-	7210	8820	10650	12700	15000
		R407F	6650	8290	10200	12300	14650	17200	19950
		R449A	7700	9430	11400	13600	16050	18800	21800
		R404A	8390	10000	11850	13800	15950	18250	20700

ZXD DIGITAL SCROLL

## DIMENSIONS



## 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					
ZXD030BE	3.0	ZBD21KQE-TFD	380-420/3/50	7.4	40.0	811	1 x 450	116	0.6	4.4	3/4"	1/2"	39	85
ZXD040BE	4.0	ZBD29KQE-TFD	380-420/3/50	9.5	48.0	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	40	104
ZXD050BE	5.0	ZBD38KQE-TFD	380-420/3/50	12.9	64.0	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	41	112
ZXD060BE	6.0	ZBD45KQE-TFD	380-420/3/50	13.0	74.0	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	41	114
ZXD076BE	7.6	ZBD48KQE-TFD	380-420/3/50	15.6	100.0	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	42	119

### NOTES:

- 450mm Cond Fans - 220-240/1/50
- R404A pump down capacity @ 80% full for 32° C liquid temp.
- All noise level ratings are based on a distance of 10.0 mtrs according to ISO 3744 and are given as a guide only.

The company reserves the right to make specification changes without notice. NZ 17/10/2018

# Scroll Condensing Units



- Reliable and efficient Copeland ZX Scroll Compressors.
- Features : Liquid Injection, Compressor Phase, Reverse Rotation, Over Current, Discharge Over Temp, Over & Under Voltage Protection. Floodback Prediction, Fresh Start Logic, Short Cycle Protection. c/w Fault Code history & remote alarming facility.
- Supplied fully wired (less isolator) c/w: Contactor, Circuit Breaker, Fan Speed Controller, Accumulator, Fixed HP, Adjustable LP, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Sound Jacket, Suction Transducer.

**ZXL** SCROLL 020 - 075

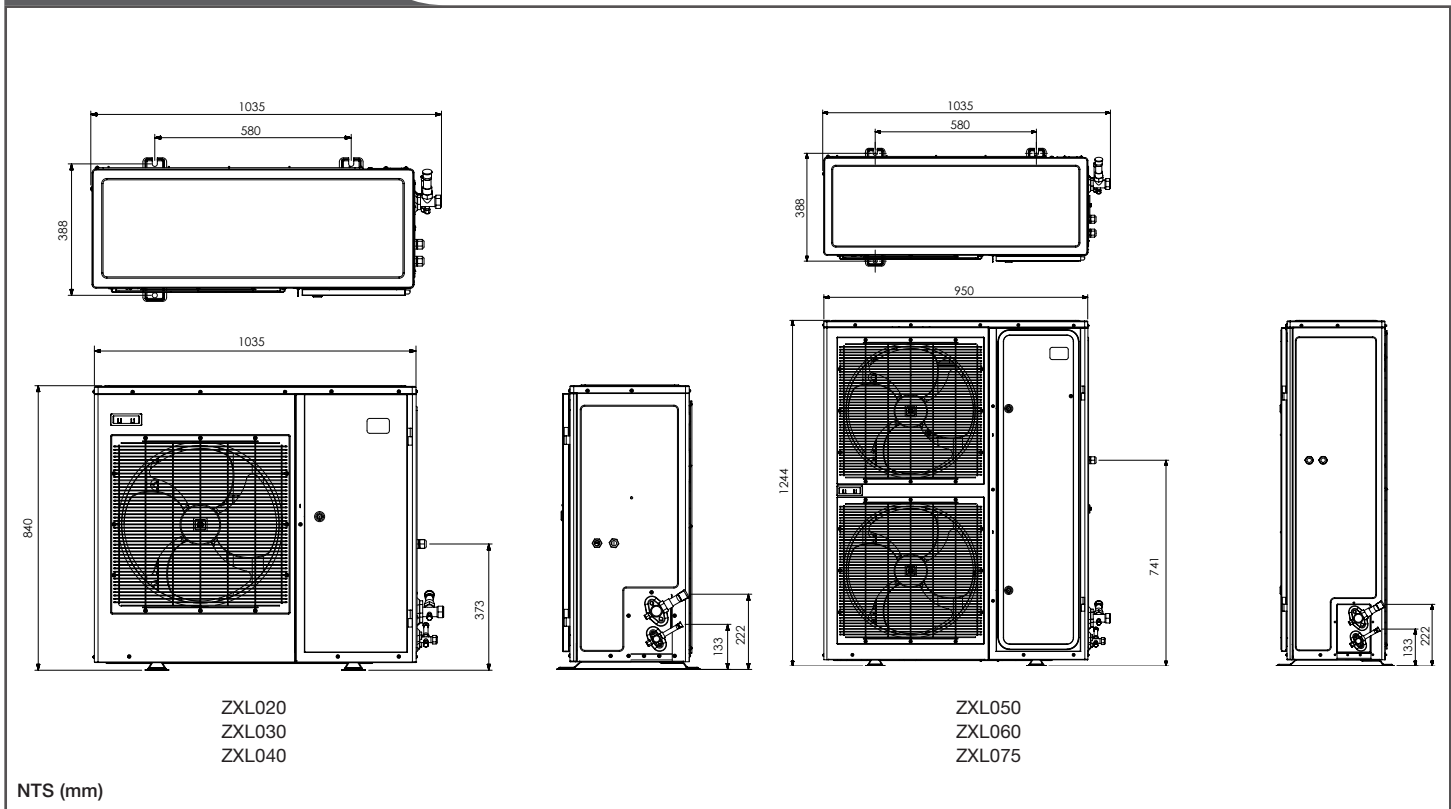
2.0 7.5 hp

**COPELAND™**

**CAPACITY** (Watts) @ 32°C Ambient

Model	Nom. hp	Refrigerant	Evaporating Temp °C							
			-40	-35	-30	-25	-20	-15	-10	-5
ZXL020BE-PFJ	2.0	R407F	1110	1480	1920	2430	3010	3650	4360	5130
		R449A	1190	1560	1990	2500	3080	3720	4430	5210
		R404A	1320	1730	2200	2740	3330	3980	4690	5440
ZXL030BE-PFJ	3.0	R407F	1600	2080	2640	3270	4000	4820	5760	6810
		R449A	1690	2120	2640	3250	3960	4790	5740	6810
		R404A	1680	2440	3170	3910	4680	5500	6390	7380
ZXL040BE-TFD	4.0	R407F	2470	3190	4000	4910	5920	7000	8170	9400
		R449A	2470	3160	3970	4890	5920	7070	8310	9650
		R404A	3190	3960	4860	5860	6950	8140	9400	10750
ZXL050BE-TFD	5.0	R407F	2840	3670	4630	5720	6940	8290	9770	11350
		R449A	2820	3620	4570	5660	6890	8280	9800	11500
		R404A	3610	4500	5510	6660	7920	9290	10750	12300
ZXL060BE-TFD	6.0	R407F	3400	4350	5420	6620	7970	9470	11150	12950
		R449A	3570	4560	5690	6980	8430	10050	11900	13850
		R404A	4560	5650	6850	8160	9600	11150	12850	14600
ZXL075BE-TFD	7.5	R407F	3820	4910	6140	7550	9160	11000	13000	15300
		R449A	3980	5110	6400	7900	9610	11550	13750	16200
		R404A	5100	6350	7750	9310	11050	12950	15050	17350

**DIMENSIONS**



**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	14.4	56.6	811	1 x 450	116	0.6	4.4	3/4"	1/2"	39	79
ZXL030BE	3.0	ZXI09KCE-PFJ	220-240/1/50	18.6	82.3	811	1 x 450	116	0.6	4.4	3/4"	1/2"	40	81
ZXL040BE	4.0	ZXI14KCE-TFD	380-420/3/50	10.0	51.5	811	1 x 450	116	0.6	4.4	7/8"	1/2"	40	93
ZXL050BE	5.0	ZXI15KCE-TFD	380-420/3/50	13.5	51.5	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	41	106
ZXL060BE	6.0	ZXI18KCE-TFD	380-420/3/50	15.3	74.0	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	41	116
ZXL075BE	7.5	ZXI21KCE-TFD	380-420/3/50	16.2	101.0	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	41	121

- NOTES:**
- 450mm Cond Fans - 220-240/1/50
  - R404A pump down capacity @ 80% full for 32° C liquid temp.
  - All noise level ratings are based on a distance of 10.0 mtrs according to ISO 3744 and are given as a guide only.

The company reserves the right to make specification changes without notice. NZ 09/08/2018

# PATTON



The company reserves the right to make specification changes without notice. 17/10/2018

