

Copeland ZXD Condensing Units



- Reliable and Efficient Copeland Digital Scroll Compressors
- Features : Compressor Phase, Reverse Rotation, Over Current, Discharge Over Temp, Over & Under Voltage Protection, Floodback Prediction, Short Cycle Protection, Fan Speed Control c/w Fault Code History & Remote Alarming Facility. ZXD090 has Vapour Injection/Liquid Sub-Cooling via PHX
ZXD090 - Insulate Liquid Line
- Supplied c/w : Fixed HP, Fixed LP, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Sound Jacket, Circuit breaker, Suction Transducer.

ZXD

DIGITAL SCROLL 030 - 090

3.0

9.0

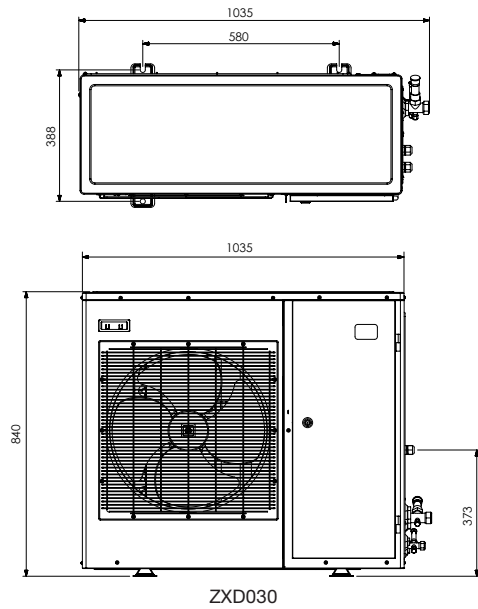
hp

CAPACITY (Watts) @ 38°C Ambient

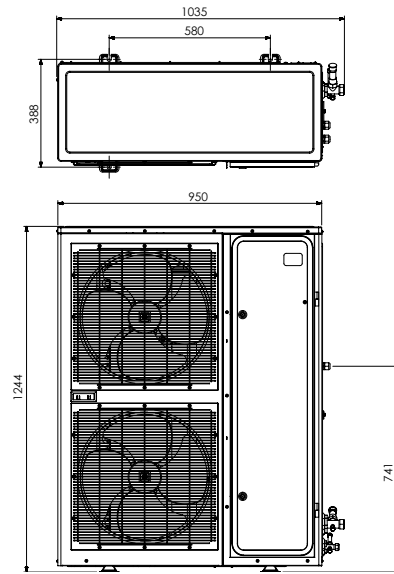
Model	Nom. hp	Refrigerant	Evaporating Temp °C						
			-20	-15	-10	-5	0	5	10
ZXD030BE-TFD	3.0	R448A	2870	3570	4450	5320	6340	-	-
		R134a	1990	2450	3020	3690	4450	5280	6100
		R407F	-	-	4720	5840	6750	7880	9640
		R404A	3320	3940	4690	5550	6480	7450	-
ZXD040BE-TFD	4.0	R448A	4240	5430	6740	7920	9240	-	-
		R134a	2940	3730	4580	5500	6490	7570	8640
		R407F	-	-	6660	8270	10010	11850	13770
		R404A	4900	6000	7120	8270	9450	10680	-
ZXD050BE-TFD	5.0	R448A	4810	6400	8220	9910	11730	-	-
		R134a	3340	4400	5580	6860	8230	9650	11080
		R407F	-	-	8110	10330	12690	14810	17350
		R404A	5560	7070	8670	10320	11980	13630	-
ZXD060BE-TFD	6.0	R448A	5830	7470	9320	11090	13210	-	-
		R134a	4040	5130	6320	7680	9260	11110	12970
		R407F	-	-	9070	11500	14190	16640	19760
		R404A	6740	8250	9830	11550	13480	15690	-
ZXD076BE-TFD	7.5	R448A	6450	8070	10260	12230	14560	-	-
		R134a	4470	5540	6970	8460	10180	12230	14270
		R407F	-	-	11570	13600	15820	18280	21060
		R404A	7450	8910	10830	12720	14830	17260	-
ZXD090BE-TFD *Insulate Liquid Line*	9.0	R448A	8640	10200	11840	13640	15350	-	-
		R134a	6300	7650	9260	10710	11540	12700	14560
		R407F	8210	9970	12120	14910	17490	-	-
		R404A	10500	12300	14400	16100	16800	-	-

ZXD DIGITAL SCROLL

DIMENSIONS



ZXD030



ZXD040
ZXD050
ZXD060
ZXD076
ZXD090

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					
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"	56	85
ZXD040BE	4.0	ZBD29KQE-TFD	380-420/3/50	7.7	48.0	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	60	104
ZXD050BE	5.0	ZBD38KQE-TFD	380-420/3/50	10.4	64.0	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	60	112
ZXD060BE	6.0	ZBD45KQE-TFD	380-420/3/50	9.6	74.0	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	60	114
ZXD076BE	7.5	ZBD48KQE-TFD	380-420/3/50	12.4	100.0	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	60	122
ZXD090BE	9.0	ZXD78KVE-TFD	380-420/3/50	14.6	102.0	1641	2 x 450	246	1.2	6.3	7/8"	1/2"	62	138

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

NOTES:

1. 450mm Cond Fans - 220-240/1/50
2. R404A pump down capacity @ 80% full for 32° C liquid temp.
3. All noise level ratings are SOUND PRESSURE based at a distance of 1.0 mtr and are given as a guide only.
4. ZXD090 has vapour injection/liquid sub-cooling via PHX
5. ZXD090 - insulate liquid line due to sub-cooled liquid.

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