PattonPak Scroll Condensing Units

www.pattonnz.com

PATTON
refrigeration :: hvac

PATTON

PATTON PAK

Condensing Units

- Reliable and efficient Copeland Scroll Compressors.
- Supplied c/w : HP/LP, Crankcase Heater, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Fully wired c/w main isolator in ColourBond housing.
- Twin fan models include fan cycling pressure control.
- All condenser coils supplied with "Patton Coat" fin and coil protective coating.

PZBS SCROLL 200 - 550

2.0 ▸ 5.5 ▸ hp

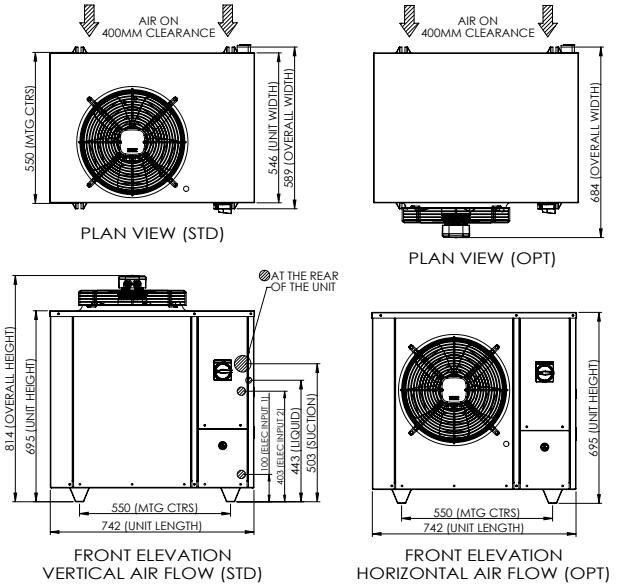
COPELAND™

CAPACITY (Watts) @ 32°C Ambient

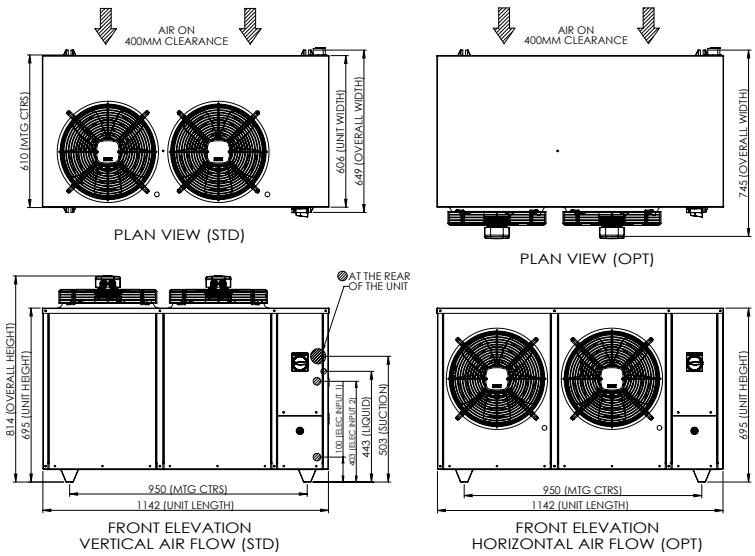
Model	Nom. hp	Refrigerant	Evaporating Temp °C								
			-25	-20	-15	-10	-5	0	5	10	15
PZBS200	2.0	R134a	-	-	-	1760	2360	3100	4150	4850	5850
		R449A	1800	2400	2820	3470	4160	5020	5900	-	-
		R404A	2220	2650	3190	3800	4410	5160	5870	-	-
PZBS250	2.5	R134a	-	-	-	2340	2950	3600	4400	5400	6400
		R449A	2210	2790	3300	4050	4900	5800	6820	-	-
		R404A	2560	3080	3700	4410	5120	6000	6860	-	-
PZBS325	3.3	R134a	-	-	-	3400	4200	5250	6250	7400	8800
		R449A	2625	3450	4340	5300	6420	7680	9020	-	-
		R404A	3270	3990	4810	5730	6770	7800	9090	-	-
PZBS350	3.5	R134a	-	-	-	4000	5000	5900	7200	8450	10000
		R449A	2860	4200	4970	6080	7260	8600	10090	-	-
		R404A	3680	4400	5290	6300	7440	8580	9980	-	-
PZBS400	4.0	R134a	-	-	-	4600	5900	7000	8300	9900	11000
		R449A	3770	4770	5620	6740	8100	9550	11140	-	-
		R404A	4210	5060	6170	7280	8630	9950	11340	-	-
PZBS500	5.0	R134a	-	-	-	5200	6650	8500	10100	12110	14350
		R449A	4720	6000	7150	8750	10400	12420	14370	-	-
		R404A	5100	6120	7490	9030	10560	12150	13870	-	-
PZBS550	5.5	R134a	-	-	-	5500	7000	8850	10480	12560	15000
		R449A	5080	6620	8180	9870	11890	13990	16410	-	-
		R404A	6050	7130	8580	10220	12050	13870	15840	-	-

DIMENSIONS

PZBS200
PZBS250



PZBS325
PZBS350
PZBS400
PZBS500
PZBS550



NTS (mm)

TECHNICAL DATA

MODEL	COMPRESSOR					CONDENSER					RECEIVER	CONNECTIONS		Noise Level (dbA) (3)	Wgt (kg)
	Nom. hp	Model	Voltage	RLA Amps	LRA Amps	Model	Airflow (l/sec)	Fan Motors No. (1)	Fan Motors Tot. Watts	Fan Motors Tot. Amps	Capacity (kg) (2)	Suction	Liquid		
PZBS200	2.0	ZB15KQE-PFJ	220-240/1/50	12.8	58.0	CPK230	969	1 x 350	145	0.7	3.7	3/4"	3/8"	56	85
PZBS250	2.5	ZB19KQE-PFJ	220-240/1/50	12.8	61.0	CPK250	931	1 x 350	145	0.7	3.7	3/4"	3/8"	56	85
PZBS325	3.3	ZB21KQE-PFJ	220-240/1/50	13.8	82.0	CPK350	1933	2 x 350	290	1.4	6.2	3/4"	1/2"	57	110
PZBS350	3.5	ZB26KQE-PFJ	220-240/1/50	20.0	97.0	CPK350	1933	2 x 350	290	1.4	6.2	3/4"	1/2"	57	112
PZBS400	4.0	ZB29KQE-PFJ	220-240/1/50	23.5	114.0	CPK450	1859	2 x 350	290	1.4	6.2	3/4"	1/2"	57	114
PZBS500	5.0	ZB38KQE-PFJ	220-240/1/50	23.3	142.0	CPK500	1787	2 x 350	290	1.4	8.8	7/8"	1/2"	58	122
PZBS550	5.5	ZB42KCE-PFJ	220-240/1/50	29.8	150.0	CPK600	1654	2 x 350	290	1.4	8.8	7/8"	1/2"	58	125

NOTES:

1. All fans 220-240/1/50
2. R404A pump down capacity @ 80% full for 32° C liquid temp.
3. All noise level ratings are “free field” based at a distance of 3.0 mtrs from source and are given as a guide only.
4. Electrically complies to AS/NZS 60335.2.89 : 2002 + A1-A3 (Selected clauses)

The company reserves the right to make specification changes without notice. NZ 04/01/2018

Condensing Units

- Reliable and efficient Copeland Scroll Compressors.
- Supplied c/w : HP/LP, Crankcase Heater, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Fully wired c/w main isolator in ColourBond housing.
- Twin fan models include fan cycling pressure control.
- All condenser coils supplied with "Patton Coat" fin and coil protective coating.

PZB SCROLL 325 - 600

3.3 ▶ 6 ▶ hp

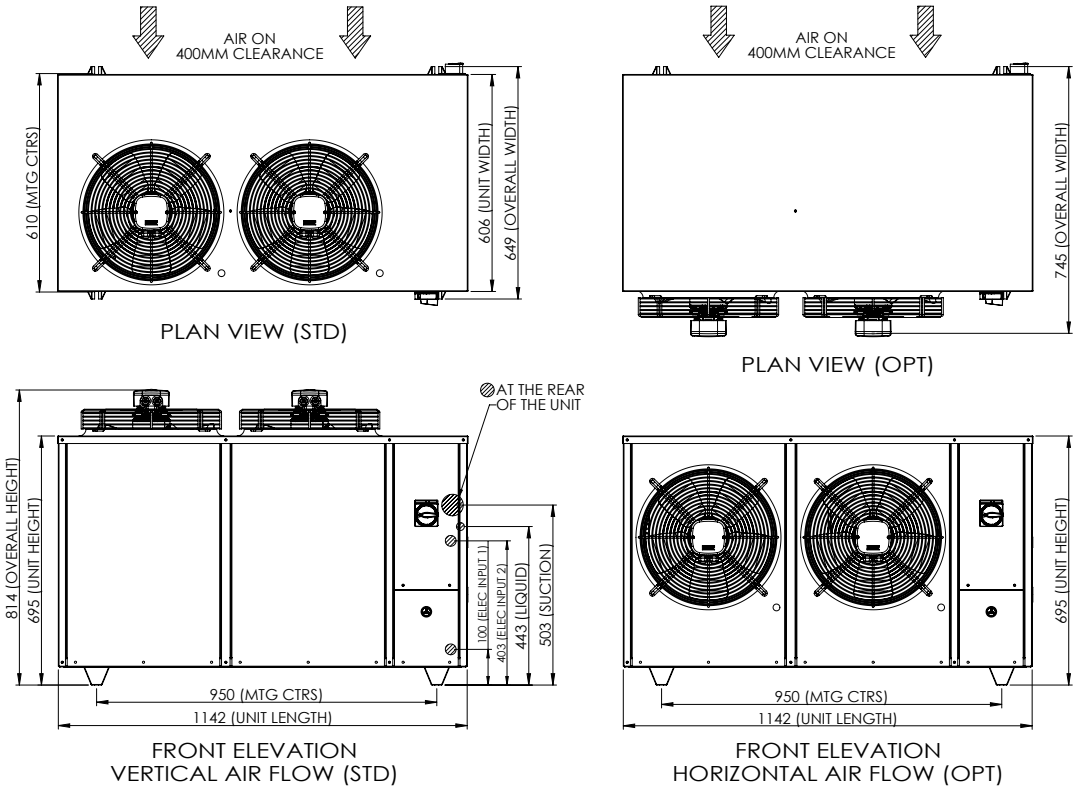
COPELAND™

CAPACITY (Watts) @ 32°C Ambient

Model	Nom. hp	Refrigerant	Evaporating Temp °C								
			-25	-20	-15	-10	-5	0	5	10	15
PZB325	3.3	R134a	-	-	-	3400	4200	5250	6250	7400	8800
		R449A	2625	3450	4340	5300	6420	7680	9020	-	-
		R404A	3270	3990	4810	5730	6770	7800	9090	-	-
PZB350	3.5	R134a	-	-	-	4000	5000	5900	7200	8450	10000
		R449A	2860	4200	4970	6080	7260	8600	10090	-	-
		R404A	3680	4400	5290	6300	7440	8580	9980	-	-
PZB400	4.0	R134a	-	-	-	4600	5900	7000	8300	9900	11000
		R449A	3770	4770	5620	6740	8100	9550	11140	-	-
		R404A	4210	5060	6170	7280	8630	9950	11340	-	-
PZB500	5.0	R134a	-	-	-	5200	6650	8500	10100	12110	14350
		R449A	4720	6000	7150	8750	10400	12420	14370	-	-
		R404A	5100	6120	7490	9030	10560	12150	13870	-	-
PZB600	6.0	R134a	-	-	-	6600	8200	10100	12200	14600	17000
		R449A	5920	7190	8370	10260	12190	14350	16850	-	-
		R404A	6300	7410	8920	10620	12340	14160	16490	-	-

DIMENSIONS

PZB325
PZB350
PZB400
PZB500
PZB600



NTS (mm)

TECHNICAL DATA

MODEL	COMPRESSOR					CONDENSER					RECEIVER	CONNECTIONS		Noise Level (dbA) (3)	Wgt (kg)
	Nom. hp	Model	Voltage	RLA Amps	LRA Amps	Model	Airflow (l/sec)	Fan Motors No. (1)	Fan Motors Tot. Watts	Fan Motors Tot. Amps	Capacity (kg) (2)	Suction	Liquid		
PZB325	3.3	ZB21KQE-TFD	380-420/3/50	7.4	40.0	CPK350	1933	2 x 350	290	1.4	6.2	3/4"	1/2"	57	110
PZB350	3.5	ZB26KQE-TFD	380-420/3/50	6.4	46.0	CPK350	1933	2 x 350	290	1.4	6.2	3/4"	1/2"	57	112
PZB400	4.0	ZB29KQE-TFD	380-420/3/50	10.0	50.0	CPK450	1859	2 x 350	290	1.4	6.2	3/4"	1/2"	57	114
PZB500	5.0	ZB38KQE-TFD	380-420/3/50	12.8	65.5	CPK500	1787	2 x 350	290	1.4	8.8	7/8"	1/2"	58	122
PZB600	6.0	ZB45KCE-TFD	380-420/3/50	13.1	74.0	CPK600	1654	2 x 350	290	1.4	8.8	7/8"	1/2"	58	125

NOTES:

1. All fans 220-240/1/50
2. R404A pump down capacity @ 80% full for 32° C liquid temp.
3. All noise level ratings are “free field” based at a distance of 3.0 mtrs from source and are given as a guide only.
4. Electrically complies to AS/NZS 60335.2.89 : 2002 + A1-A3 (Selected clauses)

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- Supplied c/w : HP/LP, Crankcase Heater, Oil Separator, Liquid Receiver, Liquid Line Drier & Sightglass, Fully wired c/w main isolator in ColourBond housing.
- Twin fan models include fan cycling pressure switch
- All condenser coils supplied with "Patton Coat" fin and coil protective coating.

PZB SCROLL 650 - 1500

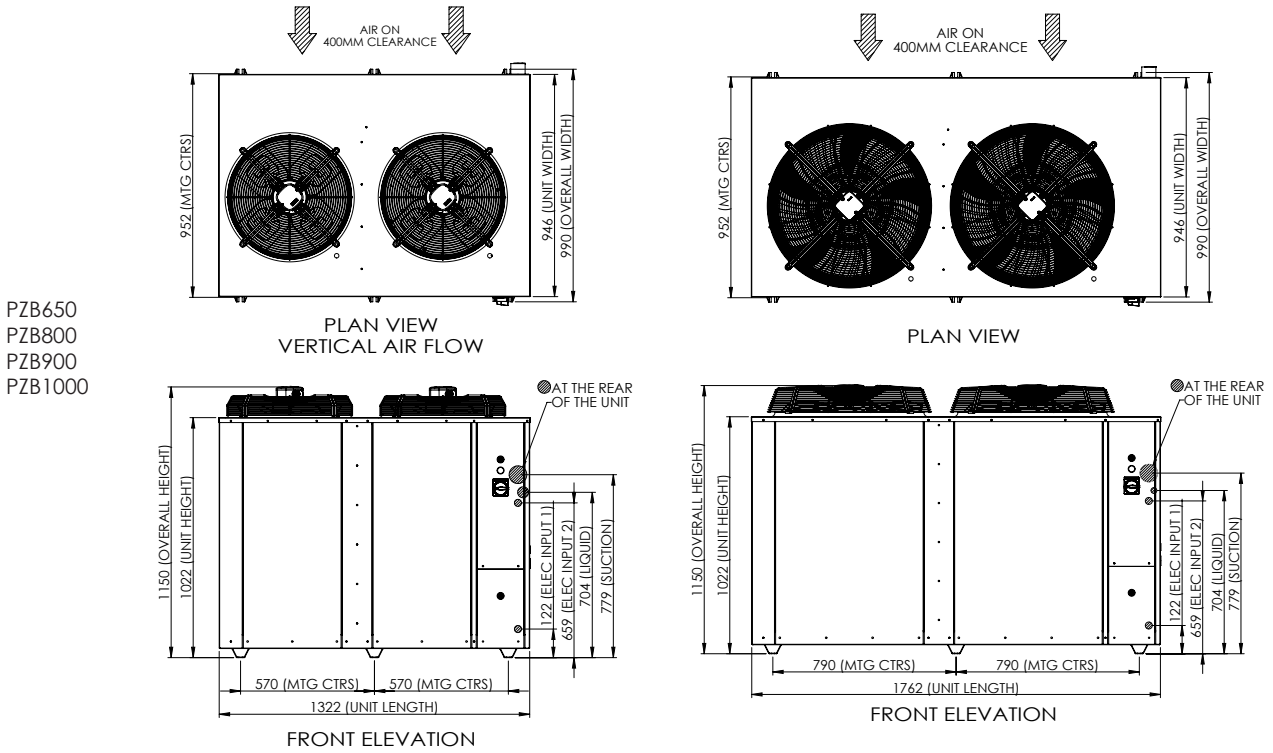
6.5 ▸ 15 ▸ hp

COPELAND™

CAPACITY (Watts) @ 32°C Ambient

Model	Nom. hp	Refrigerant	Evaporating Temp °C								
			-25	-20	-15	-10	-5	0	5	10	15
PZB650	6.5	R134a	-	-	-	7340	9060	10920	13195	15620	18210
		R449A	6410	8510	10040	12290	14760	17610	20670	-	-
		R404A	7400	9000	10830	12900	15250	17900	20500	-	-
PZB800	8.0	R134a	-	-	-	8080	9930	12010	14485	17390	21210
		R449A	7870	9630	11520	14030	16640	19780	23130	-	-
		R404A	8670	10220	12430	14590	17180	20070	22930	-	-
PZB900	9.0	R134a	-	-	-	9680	11980	14760	17865	21270	24010
		R449A	9510	10860	13460	15710	19020	22400	26210	-	-
		R404A	9940	11940	14390	17140	19850	23220	26520	-	-
PZB1000	10.0	R134a	-	-	-	11230	13890	17050	20475	24610	28080
		R449A	11210	12840	15660	18310	21890	26210	30620	-	-
		R404A	11210	13580	16470	19410	22970	26870	30660	-	-
PZB1200	12.0	R134a	-	-	-	12120	14770	19120	22765	27210	32010
		R449A	13000	14540	17520	20870	25010	30840	35150	-	-
		R404A	13730	15050	17700	21110	25170	29555	34175	-	-
PZB1300	13.0	R134a	-	-	-	13770	17070	20960	25145	29890	34990
		R449A	15000	15790	19580	22750	27500	32400	38210	-	-
		R404A	15100	18000	21540	24990	28950	33840	38560	-	-
PZB1500	15.0	R134a	-	-	-	16080	20050	24410	29345	35210	41510
		R449A	16890	18550	23150	27130	32620	38760	46100	-	-
		R404A	17020	20910	24720	28760	34210	39540	46100	-	-

DIMENSIONS



NTS (mm)

TECHNICAL DATA

MODEL	COMPRESSOR					CONDENSER					RECEIVER	CONNECTIONS		Noise Level (dbA) (3)	Wgt (kg)
	Nom. hp	Model	Voltage	RLA Amps	LRA Amps	Model	Airflow (l/sec)	Fan Motors No. (1)	Fan Motors Tot. Watts	Fan Motors Tot. Amps	Capacity (kg) (2)	Suction	Liquid		
PZB650	6.5	ZB48KQE-TFD	380-420/3/50	13.6	101.0	CPK650	4320	2 x 500	1090	4.8	8.8	1-1/8”	5/8”	60	135
PZB800	8.0	ZB58KQE-TFD	380-420/3/50	16.4	95.0	CPK800	3927	2 x 500	1090	4.8	10.4	1-1/8”	5/8”	60	182
PZB900	9.0	ZB66KQE-TFD	380-420/3/50	17.5	111.0	CPK900	3750	2 x 500	1090	4.8	10.4	1-1/8”	5/8”	61	208
PZB1000	10.0	ZB76KQE-TFD	380-420/3/50	20.0	118.0	CPK1000	3582	2 x 500	1090	4.8	10.4	1-3/8”	5/8”	62	212
PZB1200	12.0	ZB88KQE-TFD	380-420/3/50	22.3	118.0	CPK1200	7380	2 x 630	2500	5.0	10.4	1-3/8”	5/8”	63	220
PZB1300	13.0	ZB95KQE-TFD	380-420/3/50	26.4	140.0	CPK1300	7050	2 x 630	2500	5.0	10.4	1-3/8”	5/8”	65	225
PZB1500	15.0	ZB114KQE-TFD	380-420/3/50	28.6	174.0	CPK1500	6730	2 x 630	2500	5.0	20.0	1-5/8”	7/8”	65	235

NOTES:

1. 500mm Cond Fans - 220-240/1/50
   630mm Cond Fans - 380-420/3/50
2. R404A pump down capacity @ 80% full for 32° C liquid temp.
3. All noise level ratings are “free field” based at a distance of 3.0 mtrs from source and are given as a guide only.
4. Electrically complies to AS/NZS 60335.2.89 : 2002 + A1-A3 (Selected clauses)

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Condensing Units

- Reliable and efficient Copeland Scroll Compressor
- Supplied c/w : HP/LP, Crankcase Heater, Oil Separator, Liquid Receiver, Liquid Line Drier & Sight glass, Suction Accumulator, Fully wired c/w main isolator in ColourBond housing.
- Twin fan models include fan cycling pressure switch
- All condenser coils supplied with "Patton Coat" fin and coil protective coating.

PZF SCROLL 300 - 1500

3 ▸ 15 ▸ hp

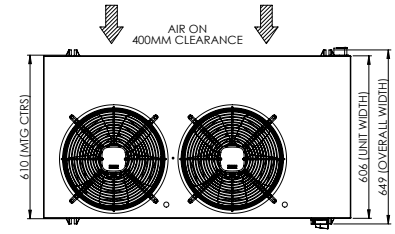
COPELAND™

CAPACITY (Watts) @ 32°C Ambient

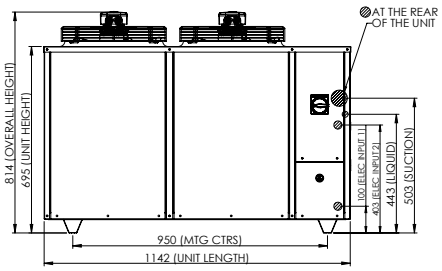
Model	Nom. hp	Refrigerant	Evaporating Temp °C									
			-40	-35	-30	-25	-20	-15	-10	-5	0	5
PZF300	3.0	R449A	1450	1860	2360	2930	3610	4380	5250	6160	-	-
		R404A	1440	1845	2295	2760	3450	4050	4900	5750	6850	7950
PZF350	3.5	R449A	1810	2330	2940	3620	4410	5320	6290	7480	-	-
		R404A	1850	2250	2820	3480	4225	5000	5910	7005	8140	9160
PZF400	4.0	R449A	2040	2640	3340	4210	5160	6170	7390	8660	-	-
		R404A	2240	2780	3410	4160	5020	6030	7150	8300	9780	11200
PZF500	5.0	R449A	2510	3220	4100	5090	6220	7440	8910	10460	-	-
		R404A	2685	3445	4220	5190	6290	7490	8900	10300	11880	13820
PZF600	6.0	R449A	2940	3820	4880	6040	7360	8790	10520	12340	-	-
		R404A	3190	4120	5090	6150	7460	8940	10450	12400	14350	16310
PZF750	7.5	R449A	3920	5000	6330	7840	9610	11670	14040	16590	-	-
		R404A	4245	5365	6615	8015	9605	11385	13205	15445	17650	20060
PZF1000	10.0	R449A	5030	6500	8290	10320	12630	15320	18200	21640	-	-
		R404A	5455	7375	9205	11205	13385	15555	18265	21015	24050	27480
PZF1300	13.0	R449A	6220	7950	10090	12520	15330	18540	21930	26030	-	-
		R404A	7035	9045	11375	13615	16265	19245	22250	25965	29600	33610
PZF1500	15.0	R449A	7620	9840	12360	15360	18870	22890	27540	32420	-	-
		R404A	8225	10225	12585	15325	18445	21655	25585	29470	33645	37340

DIMENSIONS

PZF300
PZF350
PZF400
PZF500
PZF600

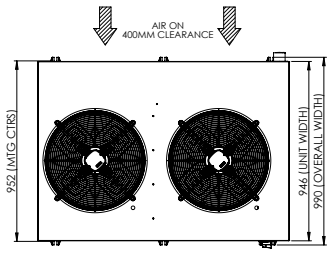


PLAN VIEW (STD)

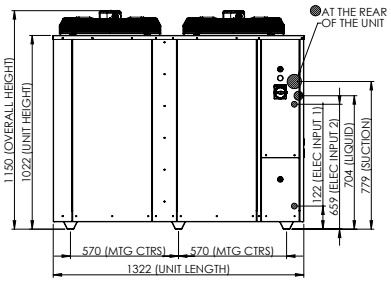


FRONT ELEVATION
VERTICAL AIR FLOW (STD)

PZF750
PZF1000

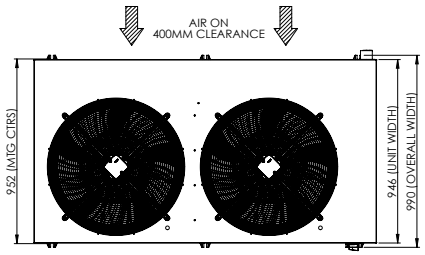


PLAN VIEW
VERTICAL AIR FLOW

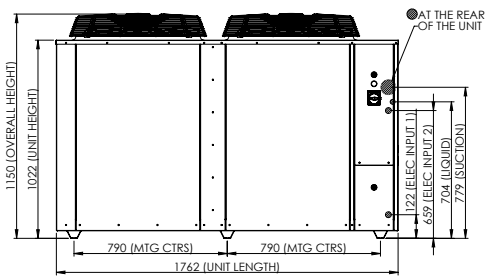


FRONT ELEVATION

PZF1300
PZF1500



PLAN VIEW



FRONT ELEVATION

NTS (mm)

TECHNICAL DATA

MODEL	COMPRESSOR (1)					CONDENSER					RECEIVER	CONNECTIONS		Noise Level (dbA) (4)	Wgt (kg)
	Nom. hp	Model	Voltage	RLA Amps	LRA Amps	Models	Airflow (l/sec)	Fan Motors No. (2)	Fan Motors Tot. Watts	Fan Motors Tot. Amps	Capacity (kg) (3)	Suction	Liquid		
PZF300	3.0	ZF09KQE-TFD	380-420/3/50	6.0	40.0	CPK350	1933	2 x 350	290	1.4	6.2	3/4"	1/2"	60	117
PZF350	3.5	ZF11KQE-TFD	380-420/3/50	7.1	46.0	CPK350	1933	2 x 350	290	1.4	6.2	7/8"	1/2"	60	119
PZF400	4.0	ZF13KQE-TFD	380-420/3/50	8.0	51.5	CPK450	1859	2 x 350	290	1.4	6.2	7/8"	1/2"	60	128
PZF500	5.0	ZF15KQE-TFD	380-420/3/50	10.0	64.0	CPK500	1787	2 x 350	290	1.4	8.8	7/8"	1/2"	61	130
PZF600	6.0	ZF18KQE-TFD	380-420/3/50	12.5	74.0	CPK600	1719	2 x 350	290	1.4	8.8	7/8"	1/2"	61	134
PZF750	7.5	ZF25KQE-TFD	380-420/3/50	13.7	102.0	CPK800	3927	2 x 500	1090	4.8	10.4	1-1/8"	5/8"	62	182
PZF1000	10.0	ZF34KQE-TFD	380-420/3/50	25.0	100.0	CPK1000	3582	2 x 500	1090	4.8	10.4	1-3/8"	5/8"	62	208
PZF1300	13.0	ZF41KQE-TFD	380-420/3/50	29.0	118.0	CPK1300	7050	2 x 630	2500	5.0	10.4	1-3/8"	5/8"	65	225
PZF1500	15.0	ZF49KQE-TFD	380-420/3/50	30.0	139.0	CPK1500	6730	2 x 630	2500	5.0	20.0	1-5/8"	7/8"	65	235

NOTES:

1. ZF compressors must be used with liquid injection kit (-Q accessory) for application within the shaded zone (refer capacity).
2. 350 & 500mm Cond Fans - 220-240/1/50
   630mm Cond Fans - 380-420/3/50
3. R404A pump down capacity @ 80% full for 32° C liquid temp.
4. All noise level ratings are "free field" based at a distance of 3.0 mtrs from source and are given as a guide only.
5. Electrically complies to AS/NZS 60335.2.89 : 2002 + A1-A3 (Selected clauses)

The company reserves the right to make specification changes without notice. NZ 28/05/2018

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