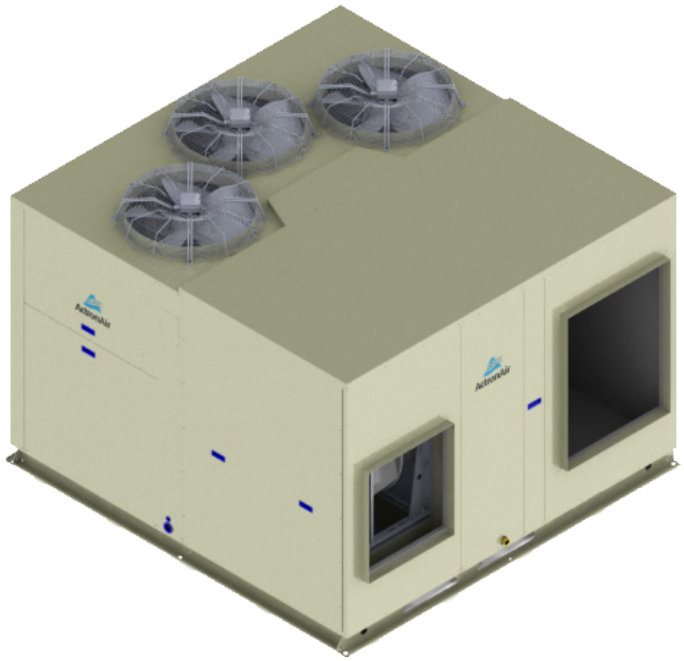
TECHNICAL SELECTION DATA | PKY500T

TRI-CAPACITY PACKAGE UNIT



THREE PHASE

TRI-CAPACITY

EC PLUG FAN

LOUVRE

LOW NOISE FAN

UNIT FEATURES

- Compliant Scroll Compressors
- Tri-Capacity 33% 67% 100% Capacity Stages
- Dual Bi-Flow Thermostatic Expansion Valves
- Full Factory Charged with R-410A Refrigerant
- Return Air Filter Rails Fitted
- Two Speed Outdoor Fans
- Hydrophilic Blue Coat Coil Fin Protection - Indoor and Outdoor Coils
- Outdoor Coils Condensate Drain Socket
- Louvred Outdoor Coil Guard
- External Stainless Steel Screws
- Adaptive Demand Defrost
- EC Variable Speed Backward Curve Plug Fan
- Adjustable Indoor Airflow via Control Interface
- Foil Faced Polyethylene Insulation

UNIT OPTIONS

- Reverse Handing with Various Airflow Options
- [9] Economy Starter Kit (Available on LHS / RHS only)
- Outside Air Damper
- Low Ambient / High Static Outdoor Fans
- Compressor Soft Starters
- Phase Protection
- Additional Full Coil Coat Protection

CONTROL FEATURES

ActronAir CP05 / CP10

- Auto / Cool / Heat / Fan Only Modes
- 7-Day Time Clock with 2 On/Off Events per Day
- 12 Programmable Special Days with 2 On/Off Events per Day
- Daylight Saving Time Function
- Indoor Coil Anti-Freeze Protection
- HP / LP Safety Protection
- Alarm Fault Data Logger
- LCD Screen Displays Operating Status, Mode & Menu Information
- Night Mode Function

CONTROL OPTIONS

ActronAir CL01-2 (BCA Compliant) - Purchased Separately

- Available in White or Grey
- 7-Day Time Clock with 2 On/Off Events per Day

Optional BMS Control - Purchased Separately

- MODBUS 485 / BACNET 485 / BACNET TCP/IP

Optional 3rd Party Control Inputs

SPECIFICATION SUMMARY

PACKAGE UNIT MODEL	PKY500T	
	[1] TOTAL	[2] NETT
[3] COOLING CAPACITY (kW)	50.50	49.10
[3] SENSIBLE CAPACITY (kW)	41.66	40.26
[4] HEATING CAPACITY (kW)	50.60	51.80
[5] COOLING INPUT POWER (kW)	15.34	
[5] HEATING INPUT POWER (kW)	15.36	
EER	3.29	3.20
COP	3.29	3.37
[6] INDOOR AIRFLOW (l/s) - MIN. / NOMINAL / MAX.	2000 / 2600 / 3100	
OUTDOOR SOUND PRESS. LEVEL @ 3M dB(A) - LOW / HIGH	58.0 / 63.0	
OUTDOOR SOUND POWER LEVEL dB(A) - LOW / HIGH	75.0 / 80.0	
POWER SUPPLY	400V / 3Ph+N / 50Hz	
[2] RATED LOAD AMPS	30.0	
[7] FULL LOAD AMPS	41.7	
[8] CIRCUIT BREAKER AND CABLE AMPS	50.0	
APPROXIMATE STARTING AMPS	118.0	
WEIGHT (kg)	853	

[1] Based on unit rating excluding indoor fan kW.
[2] Measured and tested in accordance with AS/NZS 3823.1.2.
[3] At 27°C DB / 19°C WB entering air temperatures and 35°C ambient.
[4] At 20°C DB entering air temperature and 7°C DB / 6°C WB ambient.
[5] Input power includes indoor fan kW.
[6] Max. - Min. airflow application range.
[7] Full Load Amps are based on compressor and fan motors' maximum expected current.
[8] See Specifications sheet for cable size and circuit breaker size details.
[9] Room Air Sensor needs to be relocated by the installer specific to site requirements.

Note: Use input power to estimate running cost.

UNIT COMPLIANCE

- MEPS 2012
- Demand Response AS4755.3.1:2012
- BCA Compliant with CL01-2 Control Interface
- EMC Compliant

3 Phase | Tri-Capacity | 50.50 kW

CAPACITY SELECTION DATA

PKY500T

COOLING PERFORMANCE

AIR ENTERING OUTDOOR DB - °C	AIR ENTERING INDOOR WB - °C	TOTAL CAPACITY kW	TOTAL SENSIBLE CAPACITY - kW AT DB TEMPERATURE ONTO INDOOR COIL - °C										
			20	21	22	23	24	25	26	27	28	29	30
25	16	51.53	33.60	36.44	38.84	41.53	44.14	46.69					
	17	52.63	30.69	33.53	36.32	39.12	41.44	44.07	46.62				
	18	53.91	27.67	30.56	33.39	36.22	39.01	41.34	43.98	46.57	49.14		
	19	55.47	24.64	27.57	30.46	33.31	36.07	38.88	41.21	43.91	46.47	49.09	51.58
	20	56.97	21.61	24.55	27.42	30.31	33.13	35.95	38.73	41.35	43.79	46.38	48.99
	21	58.48		14.82	24.35	27.26	30.12	32.97	35.82	38.58	41.33	43.64	46.28
	22	60.28			21.28	24.19	27.10	29.98	32.83	35.65	38.43	41.18	43.47
30	16	49.31	32.58	35.37	37.78	40.45	43.03	45.58					
	17	50.45	29.64	32.49	35.29	37.95	40.39	43.01	45.55				
	18	51.65	26.66	29.54	32.39	35.17	37.98	40.31	42.93	45.49	48.04		
	19	53.14	23.67	26.55	29.45	32.27	35.05	37.83	40.20	42.85	45.44	48.00	
	20	54.66	20.63	23.54	26.43	29.30	32.14	34.93	37.72	40.07	42.72	45.33	47.90
	21	56.01		20.48	23.36	26.28	29.15	31.99	34.81	37.58	40.35	42.60	45.19
	22	57.71			20.31	23.24	26.12	29.00	31.85	34.65	37.42	40.15	42.47
35	16	47.22	31.42	34.17	36.61	39.25	41.84	44.30					
	17	48.01	28.49	31.30	34.12	36.51	39.20	41.81	44.28				
	18	49.13	25.52	28.42	31.22	34.00	36.69	39.13	41.75	44.30			
	19	**50.50**	22.54	25.40	28.30	31.16	33.93	36.70	39.02	**41.66**	44.21	46.75	
	20	51.93	19.50	22.41	25.30	28.20	31.04	33.79	36.56	38.91	41.58	44.18	43.40
	21	53.21		19.36	22.29	25.18	28.06	30.89	33.68	36.41	38.77	41.46	43.21
	22	54.82			19.24	22.15	25.04	27.91	30.74	33.54	36.30	39.06	40.57
40	16	44.94	30.09	32.91	35.26	37.94	40.45						
	17	45.35	27.22	30.05	32.82	35.24	37.90	40.46					
	18	46.27	24.28	27.13	29.98	32.74	35.14	37.81	40.43	42.91			
	19	47.59	21.31	24.20	27.07	29.90	32.66	35.05	37.72	40.37	42.90		
	20	48.90	18.27	21.18	24.11	26.96	29.80	32.55	35.30	37.65	40.30	42.84	45.29
	21	50.09		18.18	21.09	23.94	26.79	29.67	32.43	35.17	37.52	40.18	42.75
	22	51.62			18.01	20.96	23.83	26.72	29.54	32.31	35.03	37.38	40.06
45	16	42.36	28.69	31.14	33.83	36.46							
	17	42.38	25.84	28.63	31.44	33.79	36.45	38.96					
	18	43.19	22.92	25.76	28.57	31.34	33.72	36.39	38.94				
	19	44.35	19.96	22.85	25.69	28.51	31.25	33.63	36.30	38.92	41.36		
	20	45.53	16.93	19.86	22.73	25.60	28.40	31.17	33.55	36.23	38.83	41.37	
	21	46.65		16.84	19.76	22.65	25.51	28.32	31.06	33.78	36.12	38.75	41.31
	22	48.05			16.73	19.60	22.54	25.36	28.21	30.96	33.67	36.01	38.64
50	16	39.45	27.14	29.59	32.24	34.81							
	17	39.47	24.33	27.09	29.53	32.23	34.81						
	18	39.83	21.42	24.28	27.03	29.49	32.17	34.80					
	19	40.75	18.48	21.34	24.20	26.98	29.69	32.09	34.74	37.29			
	20	41.80	15.47	18.39	21.26	24.11	26.90	29.62	32.00	34.66	37.24		
	21	42.91		15.39	18.27	21.16	24.03	26.79	29.54	31.92	34.57	37.16	39.67
	22	44.05			15.28	18.16	21.04	23.89	26.72	29.41	31.82	34.47	37.07

50.50 kW | Tri-Capacity | 3 Phase

HEATING PERFORMANCE

WB TEMP ON OD COIL - °C	HEATING CAPACITY - kW AT DB ENTERING INDOOR - °C									
	16		18		20		22		24	
	TH	IH	TH	IH	TH	IH	TH	IH	TH	IH
-10	33.28	31.28	33.10	31.12	32.82	30.85	32.64	30.69	32.42	30.47
-8	35.28	32.81	35.08	32.62	34.77	32.33	34.59	32.17	34.34	31.93
-6	37.36	34.37	37.06	34.10	36.86	33.91	36.58	33.65	36.31	33.41
-4	39.52	35.37	39.17	35.06	38.97	34.88	38.68	34.62	38.38	34.35
-2	41.78	36.35	41.48	36.09	41.17	35.81	40.84	35.53	40.54	35.27
0	44.14	37.96	43.84	37.70	43.50	37.41	43.16	37.12	42.81	36.81
2	46.42	41.31	46.08	41.01	45.71	40.68	45.35	40.36	44.95	40.01
4	48.85	46.41	48.49	46.06	48.10	45.70	47.68	45.30	47.27	44.90
6	51.45	51.45	51.03	51.03	**50.60**	**50.60**	50.16	50.16	49.70	49.70
8	54.16	54.16	53.71	53.71	53.25	53.25	52.74	52.74	52.29	52.29
10	57.01	57.01	56.51	56.51	56.14	56.14	55.58	55.58	55.07	55.07
12	59.95	59.95	59.57	59.57	58.98	58.98	58.44	58.44	57.85	57.85
14	63.16	63.16	62.55	62.55	61.98	61.98	61.36	61.36	60.73	60.73
16	66.29	66.29	65.73	65.73	65.07	65.07	64.41	64.41	63.70	63.70
18	69.67	69.67	69.00	69.00	68.29	68.29	67.52	67.52	66.83	66.83

TH - Total Heating Capacity (kW).
IH - Integrated Heating Capacity (kW) Includes defrost losses.

AIRFLOW CORRECTION MULTIPLIER

% VARIATION	-23.08%	-15%	-10%	-5%	NOMINAL	5%	10%	15%	19.23%
INDOOR AIRFLOW (l/s)	2000	2210	2340	2470	**2600**	2730	2860	2990	3100
TOTAL COOLING	0.959	0.973	0.984	0.992	**1.000**	1.008	1.016	1.023	1.031
SENSIBLE COOLING	0.886	0.921	0.948	0.974	**1.000**	1.026	1.052	1.076	1.101
HEATING FACTOR	0.985	0.991	0.994	0.997	**1.000**	1.002	1.005	1.007	1.009

NOTES:
1. No allowance has been made for the effect of indoor fan motor.
2. Selection tables are based on nominal airflows. Correction factors must be applied for selection away from these conditions.

ActronAir

INDOOR FAN DATA / FAN CURVE — PKY500T

FAN PERFORMANCE DATA

AIRFLOW (l/s)	EXTERNAL STATIC PRESSURE (Pa)																					
	50		100		150		200		250		300		350		400		450		500	
	% Spd.	W	% Spd.	W	% Spd.	W	% Spd.	W	% Spd.	W	% Spd.	W	% Spd.	W	% Spd.	W	% Spd.	W	% Spd.	W
2000	39.6	525	43.7	685	47.1	842	50.3	1007	53.3	1173	56.2	1350	58.9	1533	61.6	1709	64.4	1885	67.2	2060
2100	41.7	588	45.5	744	48.7	909	51.8	1080	54.8	1253	57.5	1436	60.1	1613	62.9	1792	65.7	1970	68.5	2148
2200	43.8	649	47.2	812	50.4	983	53.4	1158	56.2	1335	58.9	1524	61.5	1698	64.3	1880	67.5	2082	70.9	2295
2300	45.8	714	48.8	875	51.9	1052	55.0	1236	57.6	1422	60.3	1613	63.0	1789	65.9	1976	69.2	2185	72.6	2399
2400	47.5	780	50.5	947	53.6	1134	56.5	1327	59.1	1516	61.8	1699	64.5	1875	67.7	2079	71.1	2295	74.4	2504
2500	49.3	849	52.3	1033	55.3	1220	58.0	1419	60.6	1606	63.4	1786	66.3	1972	69.6	2184	72.4	2410		
2600	51.1	931	**54.1**	**1114**	56.8	1305	59.5	1509	62.3	1693	65.0	1865	68.3	2095	71.3	2319	74.1	2546		
2700	53.1	997	55.8	1202	58.4	1400	61.1	1597	63.9	1789	67.0	2007	70.2	2235	73.0	2454				
2800	54.9	1105	57.4	1295	59.9	1485	62.8	1692	65.8	1904	69.0	2121	72.0	2352	74.8	2581				
2900	56.6	1198	59.1	1388	61.9	1591	64.7	1790	67.8	2011	70.9	2242	73.9	2486						
3000	58.2	1285	61.0	1492	63.8	1699	66.8	1922	69.9	2153	72.9	2386	MOTOR / BLOWER LIMIT							
3100	60.2	1394	63.0	1604	65.9	1819	68.9	2034	71.9	2268	74.8	2504								

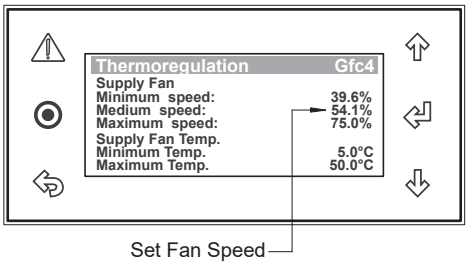
NOTES:

% Speed = Indoor Fan Speed Control Setting, in percent
(Value is set on the Control Interface via Service Menu *).

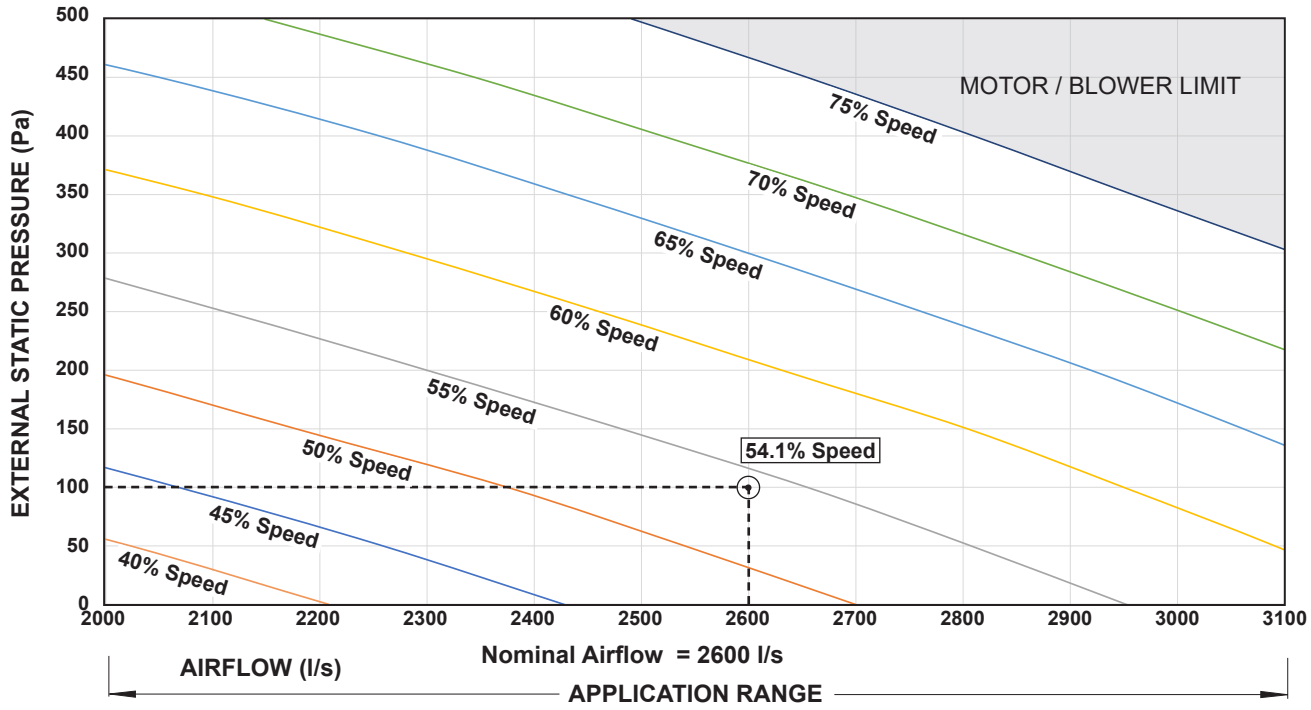
W = Indoor Fan Power, Watts

☐ - Data in the box indicates Factory Default Setting.

*Service → Service Settings → Thermoregulation → Thermoregulation Gfc4



INDOOR UNIT FAN CURVE



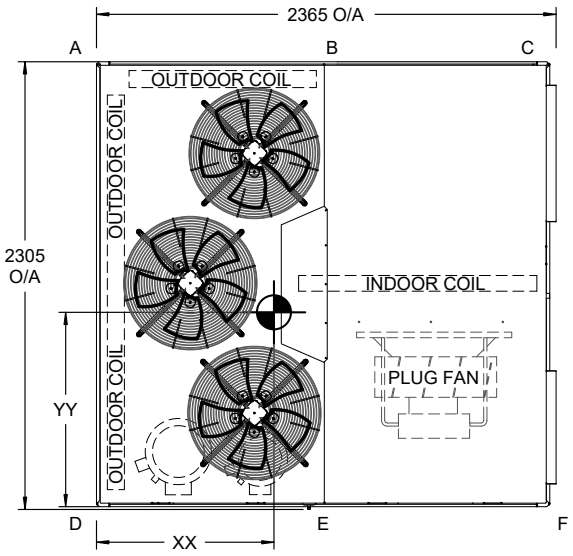
NOTE:

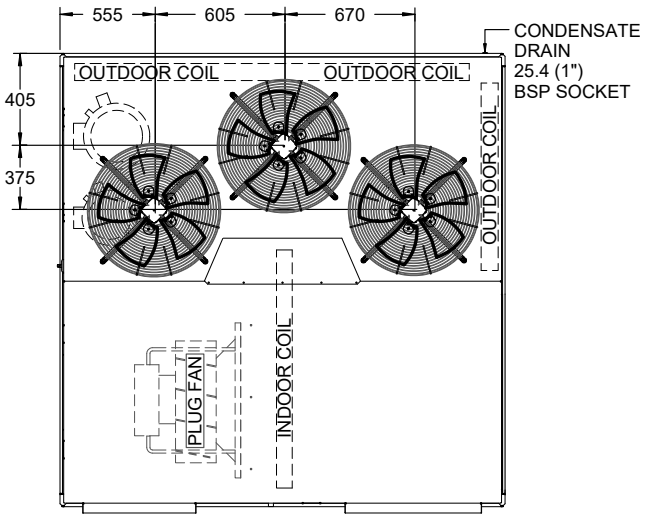
Fan Performance Data and Fan Curve shown is at dry coil and with no air filters installed. Consider external static pressure drop specific to your design requirements. Airflow should be reduce with respect to the moisture content in the air. Please review filter manufacturer for application. 2.5 m/s face velocity point will occur at 3450 l/s.

PACKAGE UNIT DIMENSIONS

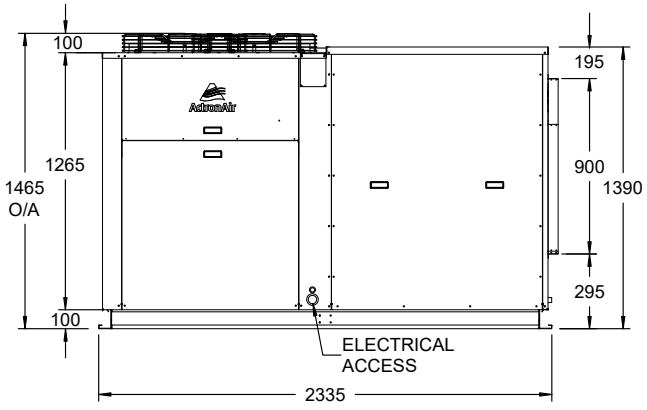
PKY500T

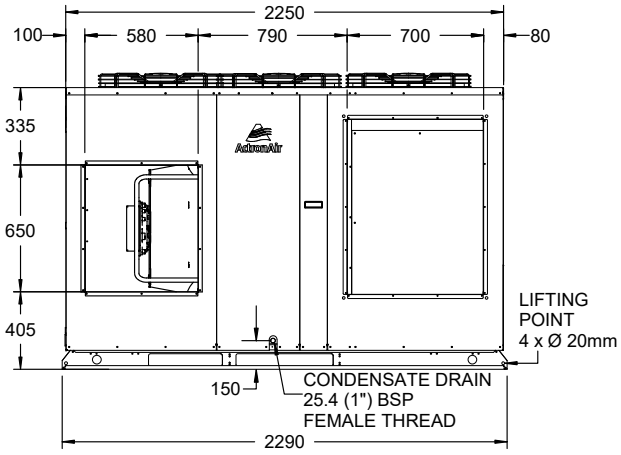
DIMENSION (H x W x D) = 1465 x 2305 x 2365
SUPPLY DUCT (H x W) = 650 x 580
RETURN DUCT = 900 x 700





TOP VIEWS





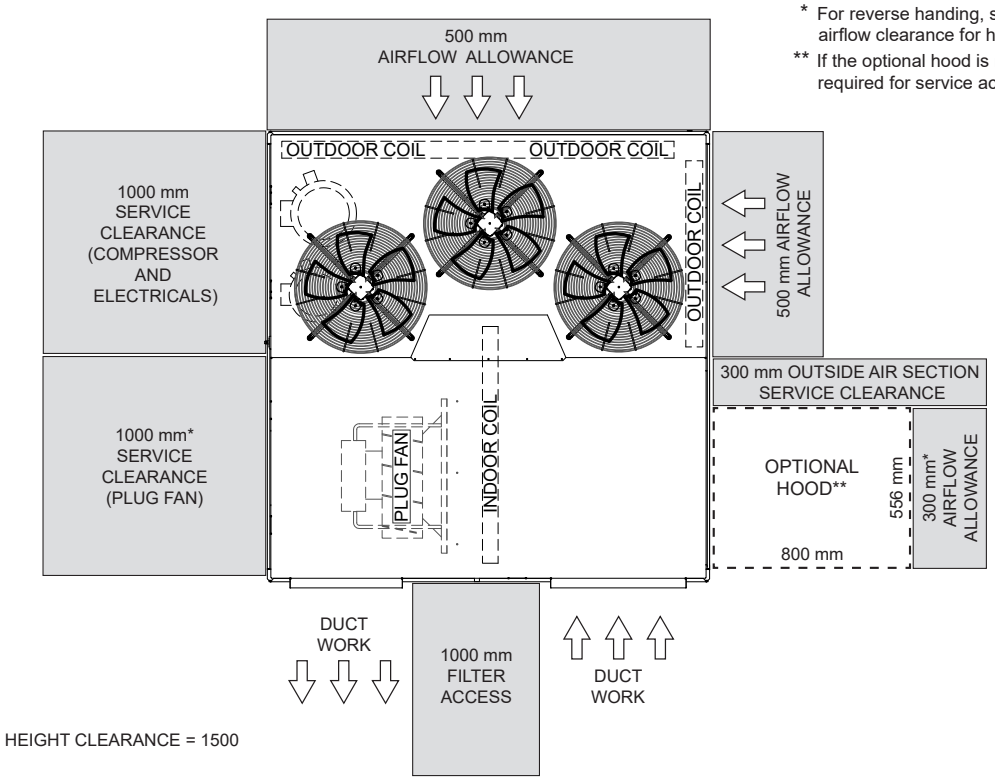
FRONT VIEW

SIDE VIEW

UNIT AIR HANDING CONFIGURATION (LH / RH)	NO. OF POINTS	UNIT WEIGHT (kg)	CORNER WEIGHTS (kg)						CENTRE OF GRAVITY	
			A	B	C	D	E	F	XX	YY
LEFT HANDING	6	853	127	171	52	169	254	80	1115	1060
RIGHT HANDING	6	853	118	189	97	174	207	67		

50.50 kW | Tri-Capacity | 3 Phase

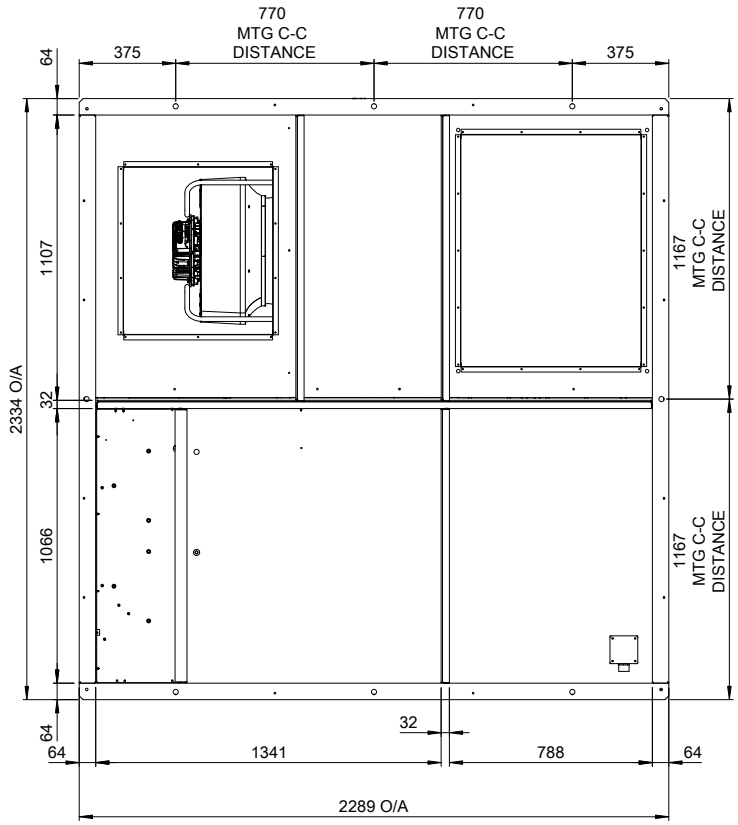
SERVICE ACCESS AREAS AND AIRFLOW CLEARANCES



* For reverse handing, service clearance for plug fan and airflow clearance for hood will be reversed.

** If the optional hood is not installed, 500 mm clearance is required for service access.

UNIT BASE DIMENSIONS



NOTES:

THIRD ANGLE PROJECTION

1. Do not scale drawing. All dimensions are in mm unless otherwise specified. Refer to corresponding unit dimensional drawing for mounting hole details.
2. Service Access Areas and Spaces for Airflow Clearances are suggested minimum based on the condition that the spaces around the units are free from any obstructions and a walkaway passage of 1000 mm between the units or between the unit and the outside perimeter is available.
3. Minimum service access areas and spaces for airflow clearances are responsibilities of the installer, ActronAir will not be held liable for any extra charges incurred due to lack of access and space for airflow.
4. Under all circumstances, condenser air must not recirculate back onto condenser coil. Keep all clearance free of any obstruction.
5. STACKING OF UNITS: Ensure that minimum airflow and clearances are met.
6. MTG C-C DIST = Mounting Centre to Centre Distance.
7. LH / RH refers to Left Hand or Right Hand location of supply air.
8. Use M12 bolt for feet mounting.

Outdoor Radiated

Sound Power Level (SWL)

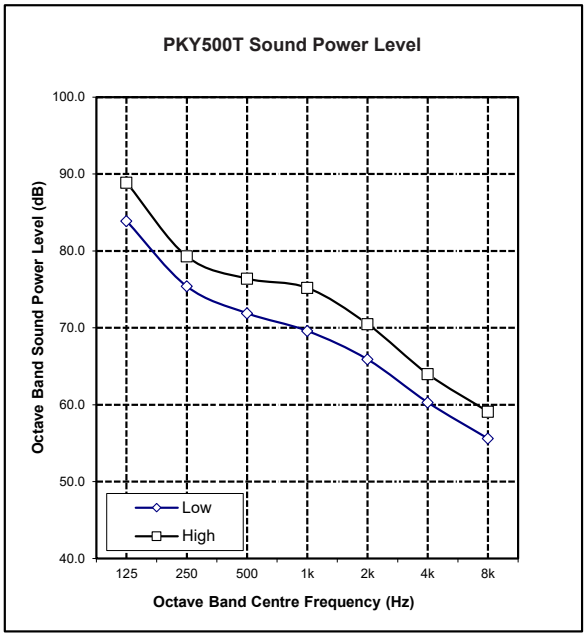
Fan Speed	Sound Power Level dB(A)	Octave Band Centre Frequency (HZ), dB						
		125	250	500	1k	2k	4k	8k
Low	76.0	83.9	75.4	71.9	69.6	65.9	60.3	55.6
High	81.0	88.9	79.3	76.4	75.2	70.5	64.0	59.1

Indoor Outlet

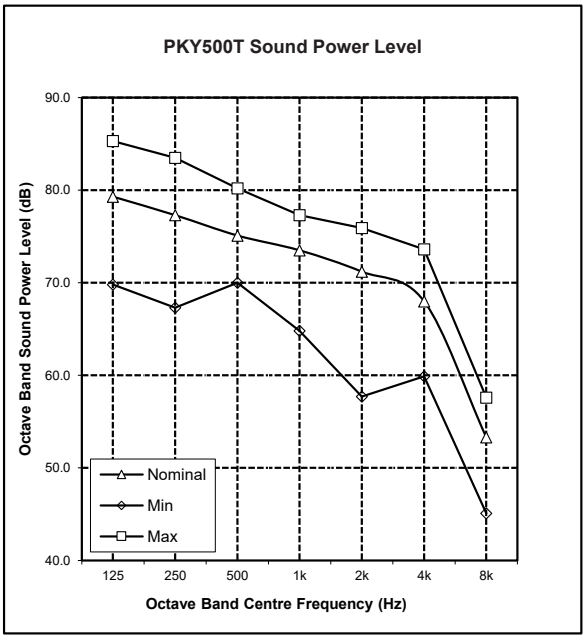
Sound Power Level (SWL)

Airflow Setting	Airflow l/s	Sound Power Level dB(A)	Octave Band Centre Frequency (Hz), dB						
			125	250	500	1k	2k	4k	8k
Minimum	2000	70.4	69.8	67.3	70	64.8	57.7	59.9	45.1
Nominal	2600	78.6	79.3	77.3	75.1	73.5	71.2	68	53.3
Maximum	3100	83.5	85.3	83.5	80.2	77.3	75.9	73.6	57.6

OUTDOOR RADIATED



INDOOR OUTLET



NOTES:
Radiated sound power levels are based on ISO 3743-1.

SPECIFICATIONS

PKY500T

CONSTRUCTION	
CABINET BASE	1.9 mm Galvanised Steel
CABINET TOP AND SIDES	0.9 - 1.6 mm Galvanised Steel
SURFACE FINISH	65 microns Baked Polyester Powder Coat

INSULATION	
TYPE	Foil Faced Polyethylene

ELECTRICAL	
POWER SUPPLY - 50 Hz	400 Volts x 3 Phase + Neutral
VOLTAGE RANGE (min - max)	376V - 440V
FULL LOAD AMPS * - Phase 1	41.7
FULL LOAD AMPS * - Phase 2 and 3	41.7 and 41.7
RATED LOAD AMPS**	30.0
APPROX. STARTING AMPS	118.0
IP RATING	IP44

IMPORTANT - The local electricity authority may require limits on starting current and voltage drop, please check prior to purchase.

* Full Load Amps are based on compressor and fan motor's maximum expected current.

** Rated Load Amps are measured and tested in accordance with AS/NZS3823.1.2.

CABLE SIZE AND CIRCUIT BREAKER SIZE

1. Cable size recommendation selected in accordance to maximum conductor temperature of 75°C with wiring enclosed in air.
2. Suggested minimum cable size should be used as a guide only, refer to the accordance with the latest edition of the AS/NZS 3000 "Australian/New Zealand Wiring Rules" for more details.

CABLE SIZE (MAIN LINE)	10.0 mm^2 (SUGGESTED MINIMUM)
CIRCUIT BREAKER SIZE - AMPS	50.0

OUTDOOR COIL	
TUBE TYPE	Copper - Rifle Bore
FIN TYPE	Aluminium - Corrugated
FACE AREA (m sqr) - Coil 1 and 2	1.25 and 2.36
FIN SPACING (per m) - Coil 1 and 2	472 and 472
COIL COATING	Blue Hydrophilic Coat Coil Fin Protection

OUTDOOR FAN	
NUMBER OF FANS x TYPE	3 x Axial Low Noise
NUMBER OF BLADES PER FAN	5
INPUT kW / FULL LOAD AMPS	0.34 / 1.95 each fan
MOTOR TYPE / DRIVE TYPE	6 Pole External Rotor / Direct Drive
FAN SPEED CONTROL	2 Speed via Capacitor

The standard type outdoor fans fitted to this unit will accept up to 20 Pa of external static resistance.

INDOOR COIL	
TUBE TYPE	Copper - Rifle Bore
FIN TYPE	Aluminium - Louvre
FACE AREA (m sqr)	1.38 (interlaced)
FIN SPACING (per m)	472
COIL COATING	Blue Hydrophilic Coat Coil Fin Protection

INDOOR FAN	
NUMBER OF FANS x TYPE	1 x Backward Curve Plug Fan
INPUT kW / FULL LOAD AMPS	1.40 / 5.3
MOTOR TYPE / DRIVE TYPE	Variable Speed EC Motor / Direct Drive

COMPRESSOR	
NUMBER PER UNIT x TYPE	2 x Scroll (Hermetic)
FULL LOAD AMPS - (Comp. 1 and 2)	10.1 and 20.5
LOCKED ROTOR AMPS - (Comp. 1 and 2)	64.0 and 118.0
STARTING METHOD	D.O.L. (optional soft starter)

REFRIGERATION SYSTEM	
REFRIGERANT TYPE	R-410A
EXPANSION CONTROL- TYPE x NO. PER UNIT	Bi-Flow TXV (Thermostatic Valve) x 2
FACTORY CHARGE - (Crt. 1 and 2)	6,075 grams and 10,930 grams

PROTECTION DEVICES	
HIGH PRESSURE CUTOUT SWITCH	Nonadjustable (Automatic Reset)
LOW PRESSURE CUTOUT SWITCH	Nonadjustable (Automatic Reset)
COMPRESSOR MOTOR TEMP.	Internal Thermal Cut-Out
INDOOR FAN OVERLOAD	Full Electronic Monitoring
OUTDOOR FAN OVERLOAD	Internal Thermal Cut-Out
SUMP HEATER WATTS - (Comp. 1 and 2)	30W and 50W

ELECTRIC CONTROLS	
DEFROST METHOD	Reverse Cycle
DEFROST TYPE	Adaptive Demand Defrost
CONTROL CIRCUIT BREAKER	16.0 Amps
OPTIONAL THIRD PARTY BMS / CONTROLLER INPUTS	MODBUS 485 BACNET 485 BACNET TCP / IP 0-10VDC / 24VAC Third Party Input

OPERATING RANGE

It is essential that the unit is correctly sized for the application and operates within its recommended range of operating conditions as shown below.

MODE	RANGE	INDOOR AIR INTAKE TEMPERATURE	OUTDOOR AIR INTAKE TEMPERATURE
Cooling	Max.	29°C DB / 19°C WB	50°C DB
	Min.	20°C DB / 15°C WB	15°C DB
Heating	Max.	24°C DB	21°C DB / 16°C WB
	Min.	16°C DB	-10°C DB

IMPORTANT - Lower ambient available on request.
Contact your nearest ActronAir office for more details.

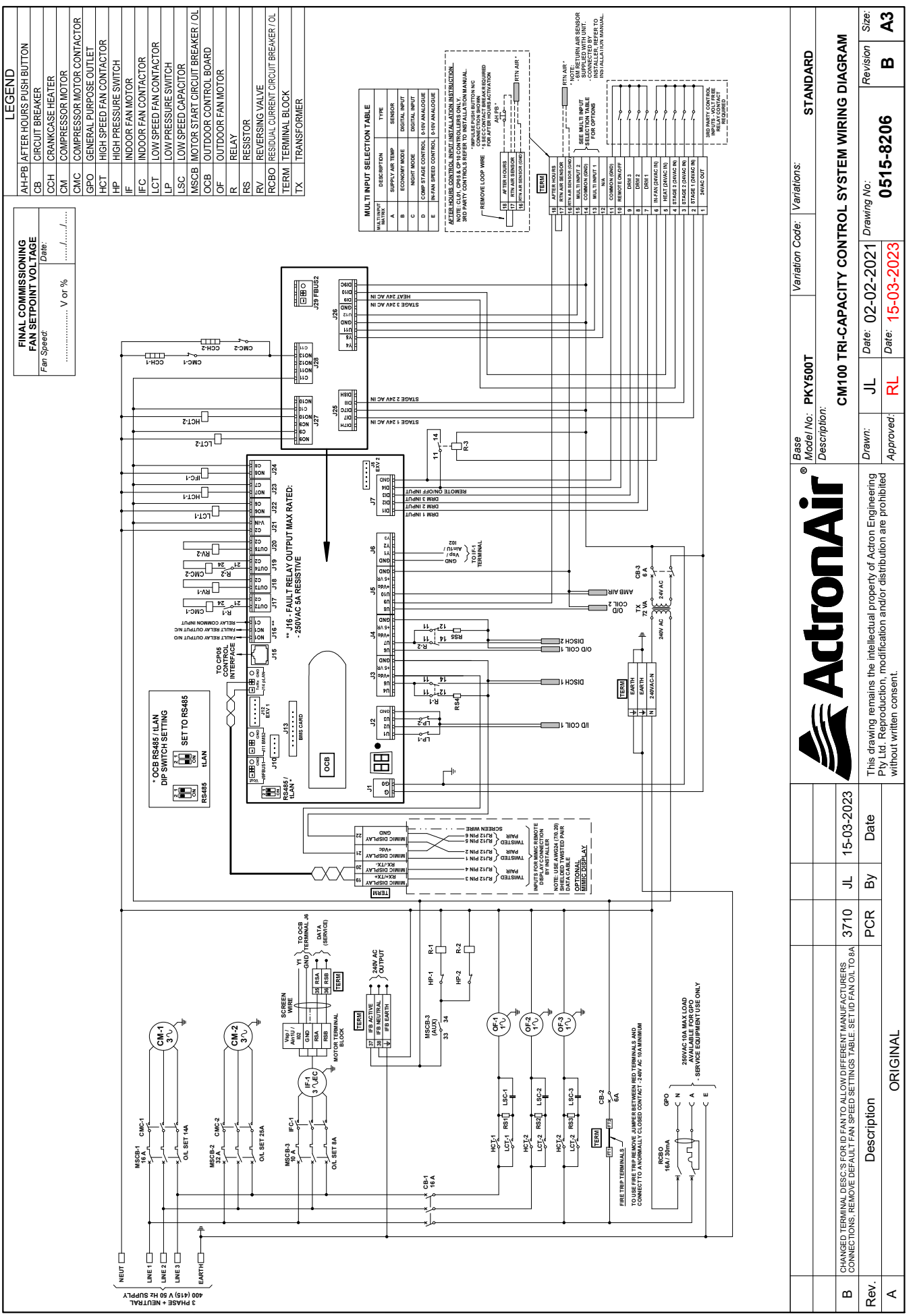
AIR FILTER PROVISION

All return air including outside air must have adequate filters supplied and fitted by the installing contractor. Filters are to be located in the return air filter retainer in the unit or in accessible location between the return air grille and the unit.

FILTER RAILS FITTED (Filters not Supplied)	
FILTER SIZE - H x W x T (mm)	390 x 621 x 100
QUANTITY	6

50.50 kW

3 Phase | **Tri-Capacity**



Rev.	Description	By	Date
B	CHANGED TERMINAL DESC.'S FOR ID FAN TO ALLOW DIFFERENT MANUFACTURERS CONNECTIONS. REMOVE DEFAULT FAN SPEED SETTINGS TABLE. SET I/D FAN O/L TO 8A	JL	15-03-2023
A	ORIGINAL	PCR	3710

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Base Model No: **PKY500T** | Variation Code: | Variations: **STANDARD**

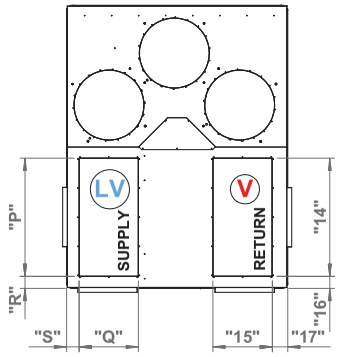
Description: **CM100 TRI-CAPACITY CONTROL SYSTEM WIRING DIAGRAM**

Drawn:	JL	Date: 02-02-2021	Drawing No: **0515-8206**
Approved:	RL	Date: 15-03-2023	Revision: **B**

Size: **A3**

NOTE: UNIT VIEWED FROM AIR HANDLING END

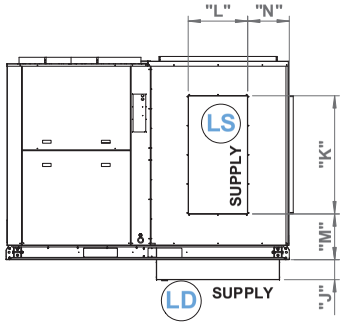
- SIZE AND POSITION OF RETURN & SUPPLY ARE INDICATIVE ONLY, SEE TABLE FOR ACTUAL SIZE AND POSITION FOR EACH PARTICULAR MODEL
- ALL FLANGES ARE OUTSIDE DIMENSIONS
- ALL FLANGES ARE RAW EDGE EXCEPT FOR DOWN SUPPLY (LD) & DOWN RETURN (D) ON PKY820-960 WHICH HAVE A 26mm INTERNAL RETURN FLANGE.
- ALL DIMENSIONS ARE FROM OUTSIDE EDGE OF BASE



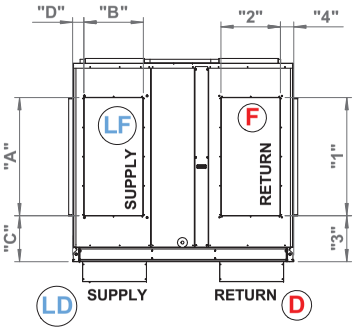
TOP VIEW

SUPPLY OUTLET DIMENSIONS																	
	LF				LD					LS				LV			
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S
PKY470-540	653	583	404	117	653	583	266	170	201	653	583	418	303	583	653	300	120
PKY620-700	653	583	525	117	653	583	266	170	201	653	583	524	303	653	583	265	118
PKY820-960	1203	605	469	115	1254	651	98	102	203	1203	605	467	423	1203	605	122	127

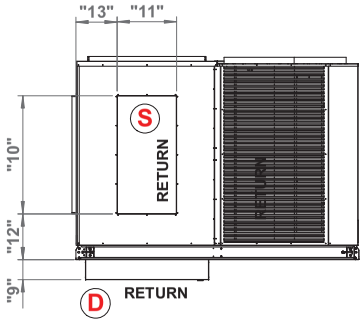
RETURN INLET DIMENSIONS																	
	F				D					S				V			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
PKY470-540	903	703	292	98	903	703	142	106	201	903	703	360	252	903	703	140	100
PKY620-700	903	703	385	98	903	703	142	106	201	903	703	385	252	903	703	140	100
PKY820-960	1203	605	469	136	1254	651	98	102	203	1203	605	467	422	1203	605	122	157



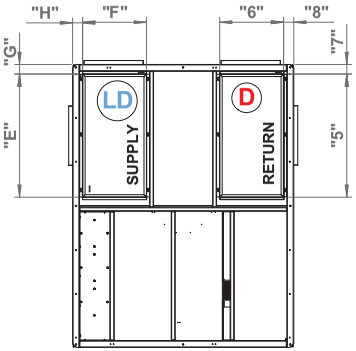
LH SIDE



END VIEW



RH SIDE



BOTTOM VIEW

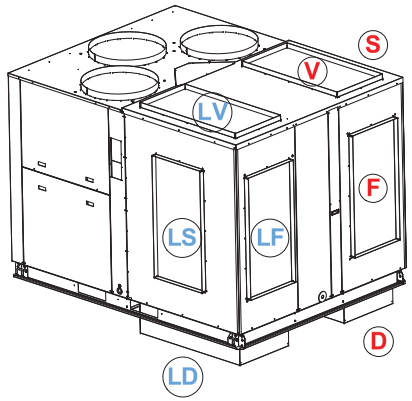
LEGEND FOR SUPPLY POSITIONS

LD = LEFT DOWN SUPPLY
LF = LEFT FRONT SUPPLY
LS = LEFT SIDE SUPPLY
LV = LEFT VERTICAL SUPPLY

LEGEND FOR RETURN POSITIONS

D = RIGHT DOWN RETURN
F = RIGHT FRONT RETURN
S = RIGHT SIDE RETURN
V = RIGHT VERTICAL RETURN

STANDARD PKY470-960T
SUPPLY & RETURN
L**T VARIATIONS



3 Phase	Tri-Capacity
50.50 kW	

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NOTE: UNIT VIEWED FROM AIR HANDLING END

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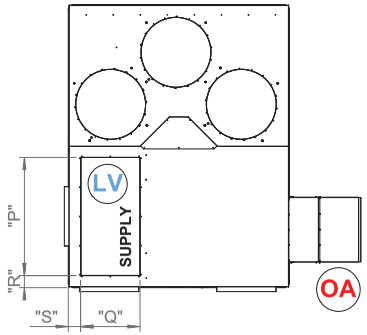
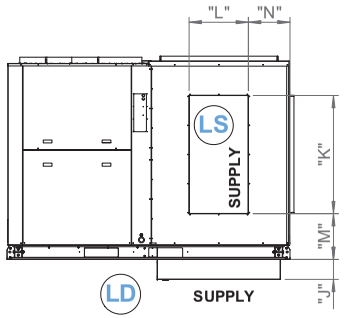


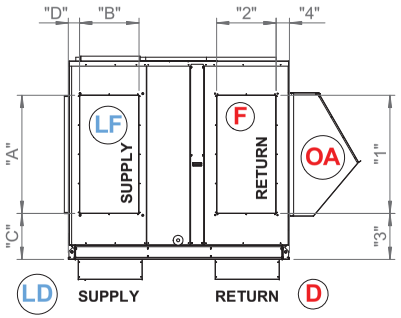
TOP VIEW

SUPPLY OUTLET DIMENSIONS																	
	LF				LD					LS				LV			
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S
PKY470-540	653	583	404	117	653	583	266	170	201	653	583	418	303	583	653	300	120
PKY620-700	653	583	524	117	653	583	266	170	201	653	583	524	303	653	583	265	118
PKY820-960	1203	605	469	116	1254	651	98	102	203	1203	605	467	423	1203	605	122	127

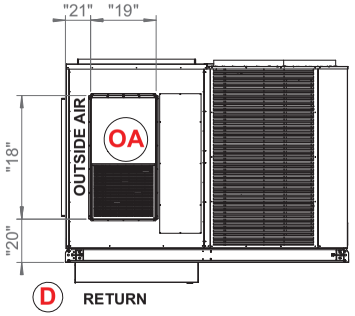
RETURN INLET DIMENSIONS													
	F				D					OA			
	1	2	3	4	5	6	7	8	9	18	19	20	21
PKY470-540	903	703	295	80	NA	NA	NA	NA	NA	1197	557	138	227
PKY620-700	903	703	385	97	NA	NA	NA	NA	NA	1197	557	248	227
PKY820-960	1203	605	469	136	1254	651	98	102	203	1258	668	441	255



LH SIDE



END VIEW

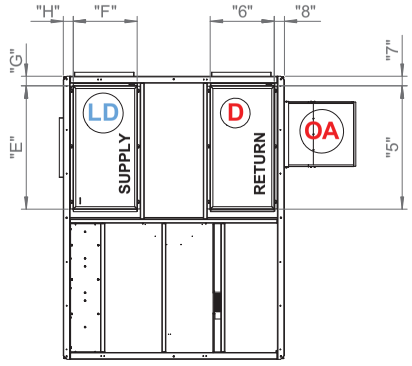


RH SIDE

NOTE:

ON MODELS PKY470T TO PKY700T ECONOMISER ie "OUTSIDE AIR" IS NOT AVAILABLE AS A STANDARD OPTION WITH A "DOWN RETURN" ONLY AVAILABLE WITH A "FRONT RETURN" AS STANDARD.

A VR REQUEST CAN BE MADE FOR SPECIAL CONFIGURATION OF OUTSIDE AIR.



BOTTOM VIEW

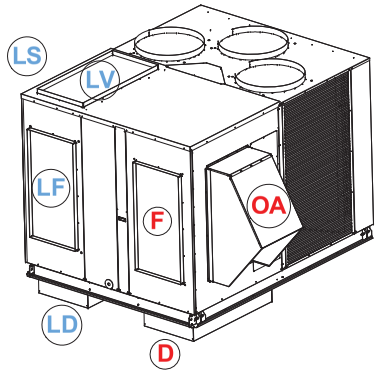
LEGEND FOR SUPPLY POSITIONS

LD = LEFT DOWN SUPPLY
LF = LEFT FRONT SUPPLY
LS = LEFT SIDE SUPPLY
LV = LEFT VERTICAL SUPPLY

LEGEND FOR RETURN POSITIONS

D = RIGHT DOWN RETURN
F = RIGHT FRONT RETURN
OA = OUTSIDE AIR RETURN
NOTE: WEATHERHOOD IS AN OPTION

STANDARD PKY470-960T SUPPLY & RETURN L**T-E VARIATIONS



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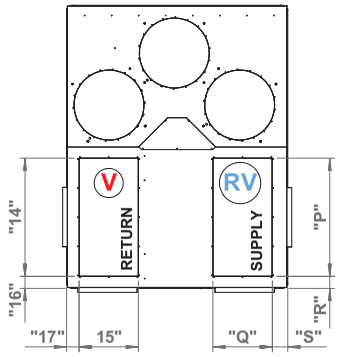
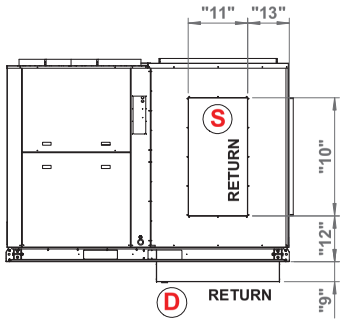


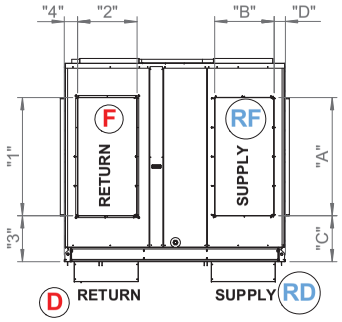
TOP VIEW

SUPPLY OUTLET DIMENSIONS																	
	RF				RD					RS				RV			
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S
PKY470-540	653	583	404	117	653	583	266	170	201	653	583	418	303	583	653	300	120
PKY620-700	653	583	524	117	653	583	266	170	201	653	583	524	303	653	583	265	118
PKY820-960	1203	605	469	115	1254	651	98	102	203	1203	605	467	423	1203	605	122	127

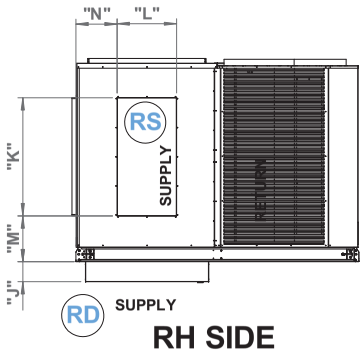
RETURN INLET DIMENSIONS																	
	F				D					S				V			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
PKY470-540	903	703	292	98	903	703	142	106	201	903	703	360	252	903	703	140	100
PKY620-700	903	703	385	98	903	703	142	106	201	903	703	385	252	903	703	140	100
PKY820-960	1203	605	469	136	1254	651	98	102	203	1203	605	467	422	1203	605	122	157



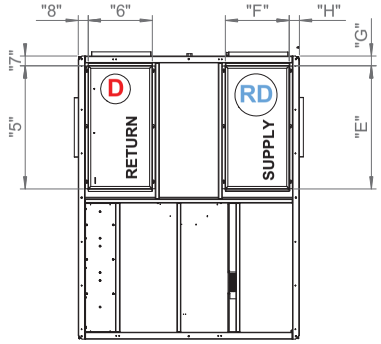
LH SIDE



END VIEW



RH SIDE



BOTTOM VIEW

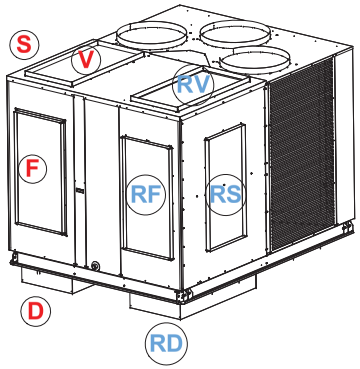
LEGEND FOR SUPPLY POSITIONS

RD = RIGHT DOWN SUPPLY
RF = RIGHT FRONT SUPPLY
RS = RIGHT SIDE SUPPLY
RV = RIGHT VERTICAL SUPPLY

LEGEND FOR RETURN POSITIONS

D = LEFT DOWN RETURN
F = LEFT FRONT RETURN
S = LEFT SIDE RETURN
V = LEFT VERTICAL RETURN

STANDARD PKY470-960T SUPPLY & RETURN RT VARIATIONS**



3 Phase	Tri-Capacity
50.50 kW	

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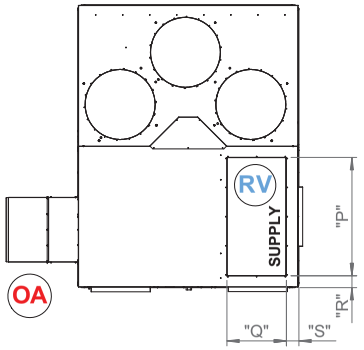

TOP VIEW

SUPPLY OUTLET DIMENSIONS																	
	RF				RD					RS				RV			
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S
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PKY820-960	1203	605	469	115	1254	651	98	102	203	1203	605	467	423	1203	605	122	127

RETURN INLET DIMENSIONS													
	F				D					OA			
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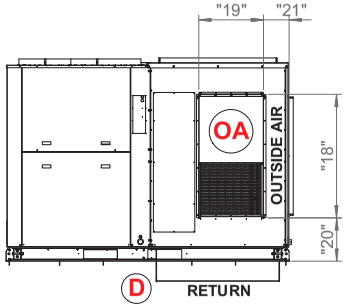
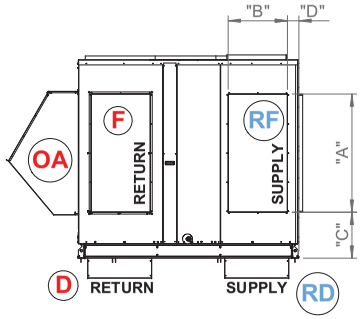
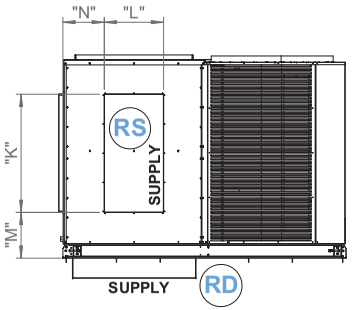
PKY470-540	903	703	295	80	NA	NA	NA	NA	NA	1197	557	138	227
PKY620-700	903	703	385	97	NA	NA	NA	NA	NA	1197	557	248	227
PKY820-960	1203	605	469	136	1254	651	98	102	203	1258	668	441	255



LH SIDE



END VIEW



RH SIDE

NOTE:

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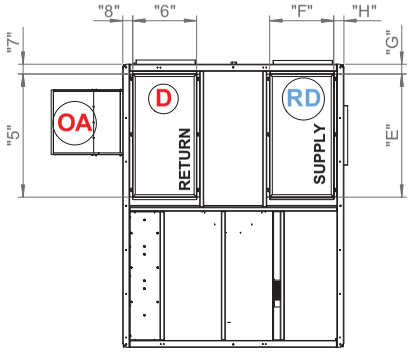


BOTTOM VIEW

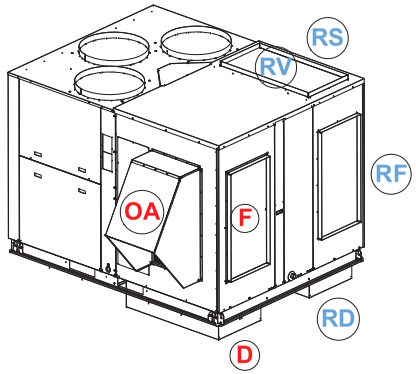
LEGEND FOR SUPPLY POSITIONS

RD = RIGHT DOWN SUPPLY
RF = RIGHT FRONT SUPPLY
RS = RIGHT SIDE SUPPLY
RV = RIGHT VERTICAL SUPPLY

LEGEND FOR RETURN POSITIONS

D = LEFT DOWN RETURN
F = LEFT FRONT RETURN
OA = OUTSIDE AIR RETURN
NOTE: WEATHERHOOD IS AN OPTION

STANDARD PKY470-960T SUPPLY & RETURN R**T-E VARIATIONS



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