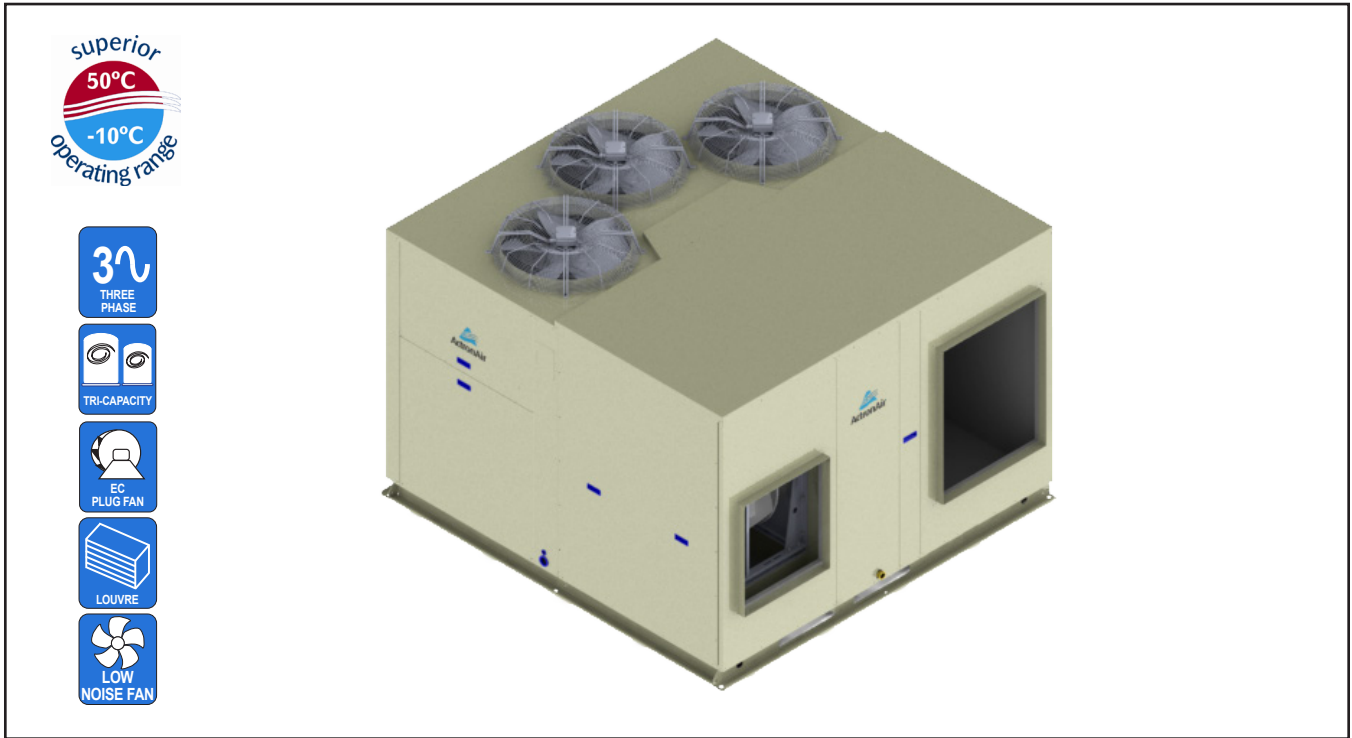


TRI-CAPACITY PACKAGE UNIT



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 - Standard Inclusion

- 0-10VDC / 24VAC / Volt Free Digital Input

SPECIFICATION SUMMARY

PACKAGE UNIT MODEL	PKY620T	
	⁽¹⁾ TOTAL	⁽²⁾ NETT
⁽³⁾ COOLING CAPACITY (kW)	63.00	60.80
⁽³⁾ SENSIBLE CAPACITY (kW)	47.80	45.60
⁽⁴⁾ HEATING CAPACITY (kW)	60.00	62.47
⁽⁵⁾ COOLING INPUT POWER (kW)	20.50	
⁽⁵⁾ HEATING INPUT POWER (kW)	20.15	
EER	3.07	2.97
COP	2.98	3.10
⁽⁶⁾ INDOOR AIRFLOW (l/s) - MIN. / NOMINAL / MAX.	2500 / 3200 / 3900	
OUTDOOR SOUND PRESS. LEVEL @ 3M dB(A) - LOW / HIGH	60.0 / 65.0	
OUTDOOR SOUND POWER LEVEL dB(A) - LOW / HIGH	77.0 / 82.0	
POWER SUPPLY	400V / 3Ph+N / 50Hz	
⁽²⁾ RATED LOAD AMPS	39.2	
⁽⁷⁾ FULL LOAD AMPS	53.9	
⁽⁸⁾ CIRCUIT BREAKER AND CABLE AMPS	63.0	
APPROXIMATE STARTING AMPS	140.0	
WEIGHT (kg)	937	

⁽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



CAPACITY SELECTION DATA

PKY620T

COOLING PERFORMANCE

AIR ENTERING		TOTAL CAPACITY kW	TOTAL SENSIBLE CAPACITY - kW										
OUTDOOR DB - °C	INDOOR WB - °C		AT DB TEMPERATURE ONTO INDOOR COIL - °C										
			20	21	22	23	24	25	26	27	28	29	30
25	16	64.28	38.67	41.88	44.61	47.65	50.60	53.49					
	17	65.64	35.37	38.59	41.75	44.93	47.55	50.53	53.42				
	18	67.23	31.96	35.23	38.44	41.64	44.80	47.43	50.43	53.36	56.27		
	19	69.16	28.52	31.84	35.12	38.34	41.46	44.65	47.29	50.35	53.25	56.21	59.03
	20	71.01	25.09	28.42	31.67	34.94	38.14	41.33	44.48	47.45	50.21	53.15	56.10
	21	72.88		17.40	28.19	31.49	34.72	37.96	41.18	44.31	47.42	50.04	53.03
22	75.11			24.72	28.01	31.31	34.57	37.80	40.99	44.14	47.25	49.85	
30	16	61.53	37.51	40.67	43.40	46.43	49.35	52.24					
	17	62.93	34.18	37.41	40.58	43.60	46.36	49.33	52.21				
	18	64.42	30.81	34.07	37.29	40.45	43.63	46.27	49.23	52.14	55.02		
	19	66.27	27.42	30.69	33.97	37.17	40.32	43.46	46.15	49.15	52.08	54.97	
	20	68.15	23.98	27.27	30.55	33.80	37.02	40.18	43.33	46.00	49.00	51.95	54.87
	21	69.82		23.81	27.08	30.38	33.63	36.85	40.04	43.18	46.31	48.86	51.80
22	71.92			23.62	26.94	30.20	33.45	36.69	39.86	43.00	46.09	48.71	
35	16	58.94	36.20	39.31	42.08	45.07	48.00	50.79					
	17	59.92	32.88	36.07	39.26	41.96	45.01	47.97	50.76				
	18	61.30	29.52	32.80	35.98	39.12	42.17	44.94	47.89	50.79			
	19	63.00	26.14	29.38	32.67	35.91	39.04	42.18	44.81	47.80	50.69	53.56	
	20	64.77	22.70	25.99	29.27	32.55	35.77	38.89	42.03	44.68	47.71	50.65	49.77
	21	66.35		22.54	25.86	29.14	32.39	35.60	38.76	41.85	44.53	47.57	49.56
22	68.35			22.41	25.71	28.97	32.22	35.43	38.60	41.73	44.85	46.57	
40	16	56.11	34.69	37.89	40.55	43.58	46.43						
	17	56.62	31.45	34.64	37.78	40.52	43.54	46.43					
	18	57.77	28.11	31.34	34.57	37.70	40.42	43.44	46.40	49.22			
	19	59.40	24.75	28.02	31.27	34.48	37.61	40.31	43.34	46.34	49.20		
	20	61.02	21.31	24.61	27.92	31.15	34.36	37.48	40.59	43.26	46.25	49.13	51.91
	21	62.49		21.21	24.50	27.73	30.95	34.22	37.34	40.45	43.10	46.13	49.03
22	64.38			21.02	24.35	27.61	30.87	34.08	37.21	40.29	42.95	45.99	
45	16	52.91	33.10	35.89	38.93	41.91							
	17	52.94	29.88	33.04	36.22	38.89	41.89	44.74					
	18	53.95	26.57	29.79	32.98	36.11	38.81	41.82	44.71				
	19	55.38	23.22	26.49	29.71	32.90	36.01	38.70	41.73	44.70	47.46		
	20	56.84	19.79	23.10	26.36	29.60	32.78	35.91	38.61	41.64	44.59	47.47	
	21	58.24		19.69	22.99	26.26	29.50	32.68	35.79	38.88	41.52	44.50	47.40
22	59.96			19.57	22.82	26.14	29.34	32.57	35.68	38.75	41.40	44.38	
50	16	49.31	31.35	34.13	37.13	40.04							
	17	49.34	28.17	31.30	34.06	37.12	40.04						
	18	49.78	24.88	28.11	31.23	34.02	37.05	40.03					
	19	50.93	21.54	24.79	28.02	31.17	34.24	36.96	39.96	42.85			
	20	52.22	18.13	21.44	24.70	27.92	31.08	34.16	36.86	39.87	42.79		
	21	53.61		18.04	21.31	24.58	27.83	30.96	34.07	36.77	39.77	42.70	45.55
22	55.02			17.92	21.18	24.44	27.67	30.87	33.93	36.65	39.66	42.59	

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	39.33	36.97	39.17	36.82	38.98	36.64	38.82	36.49	38.65	36.33
-8	41.67	38.75	41.48	38.58	41.28	38.39	41.10	38.22	40.89	38.03
-6	44.08	40.55	43.86	40.35	43.68	40.18	43.46	39.98	43.21	39.76
-4	46.65	41.75	46.43	41.56	46.19	41.34	45.92	41.10	45.66	40.86
-2	49.35	42.93	49.07	42.69	48.78	42.44	48.49	42.19	48.23	41.96
0	52.15	44.85	51.86	44.60	51.53	44.32	51.21	44.04	50.91	43.78
2	54.87	48.83	54.51	48.51	54.17	48.21	53.81	47.89	53.46	47.58
4	57.80	54.91	57.39	54.52	57.01	54.16	56.57	53.75	56.19	53.38
6	60.89	60.89	60.41	60.41	60.00	60.00	59.58	59.58	59.04	59.04
8	64.14	64.14	63.63	63.63	63.20	63.20	62.66	62.66	62.11	62.11
10	67.63	67.63	67.06	67.06	66.45	66.45	65.88	65.88	65.30	65.30
12	71.16	71.16	70.58	70.58	69.93	69.93	69.25	69.25	68.55	68.55
14	74.92	74.92	74.22	74.22	73.49	73.49	72.77	72.77	72.10	72.10
16	78.88	78.88	78.12	78.12	77.44	77.44	76.62	76.62	75.80	75.80
18	82.90	82.90	82.17	82.17	81.34	81.34	80.45	80.45	79.56	79.56

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

AIRFLOW CORRECTION MULTIPLIER

% VARIATION	-22%	-15%	-10%	-5%	NOMINAL	+5%	+10%	+15%	+22%
INDOOR AIRFLOW (l/s)	2500	2720	2880	3040	3200	3360	3520	3680	3900
TOTAL COOLING	0.956	0.972	0.982	0.991	1.000	1.008	1.016	1.023	1.032
SENSIBLE COOLING	0.884	0.919	0.947	0.974	1.000	1.026	1.051	1.077	1.109
HEATING FACTOR	0.985	0.990	0.993	0.997	1.000	1.001	1.003	1.005	1.007

NOTES:

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



63.00 kW
3 Phase
Tri-Capacity

INDOOR FAN DATA / FAN CURVE

PKY620T

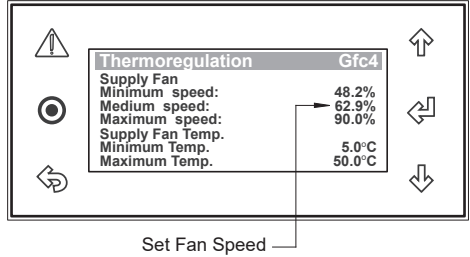
FAN PERFORMANCE DATA

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
2500	48.2	869	51.5	1030	56.1	1269	59.9	1505	63.8	1765	67.9	2028	72.0	2297	75.8	2579	78.8	2875	83.2	3310
2600	49.2	905	53.3	1107	57.5	1350	61.3	1596	65.3	1864	69.5	2134	73.5	2398	76.8	2683	79.6	2973	84.6	3490
2700	50.2	941	55.1	1188	58.9	1435	62.8	1694	66.9	1965	71.1	2239	75.0	2495	77.8	2792	81.1	3096	88.1	3550
2800	52.2	1023	56.6	1275	60.3	1523	64.3	1792	68.6	2073	72.6	2346	76.1	2627	78.9	2913	83.2	3235		
2900	54.1	1106	58.0	1357	61.9	1623	66.0	1900	70.4	2191	74.1	2468	77.2	2751	80.1	3032	85.5	3372		
3000	55.9	1196	59.5	1446	63.5	1725	67.8	2013	71.9	2303	75.4	2580	78.5	2869	82.6	3198				
3100	57.5	1284	61.2	1548	65.1	1830	69.7	2133	73.4	2406	76.9	2703	80.1	3001	84.8	3371				
3200	59.1	1368	62.9	1652	67.1	1945	71.4	2238	75.0	2509	78.4	2854	82.4	3192						
3300	60.9	1480	64.6	1764	69.2	2059	73.1	2355	76.6	2676	80.1	3044	84.8	3363						
3400	62.7	1594	66.8	1887	71.1	2184	74.8	2486	78.3	2850	82.4	3188								
3500	64.5	1708	68.9	2010	72.8	2315	76.4	2641	79.9	3009	85.0	3342								
3600	66.7	1837	70.9	2144	74.6	2452	78.1	2802	82.4	3155										
3700	69.0	1975	72.8	2277	76.4	2603	79.9	2961	85.0	3315										
3800	71.1	2107	74.8	2411	78.2	2769	82.5	3130												
3900	73.1	2244	76.6	2578	80.0	2952	85.4	3292												

MOTOR / BLOWER LIMIT

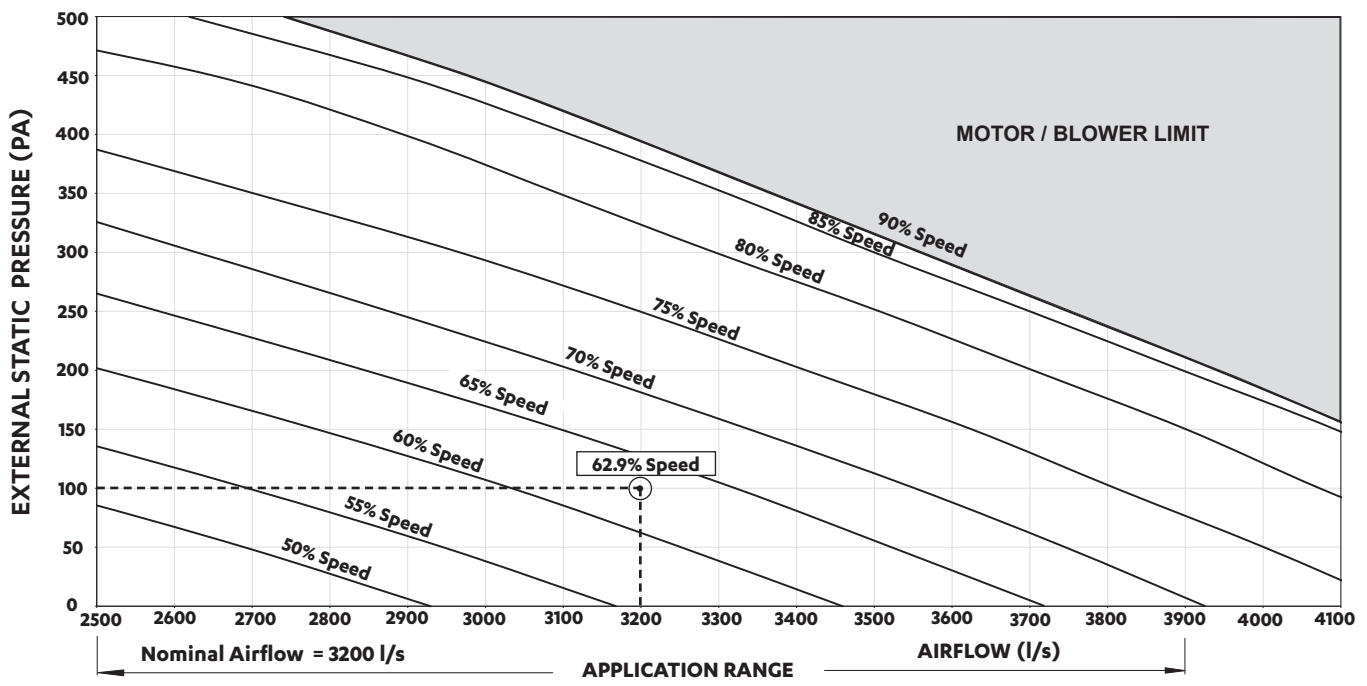
NOTES:
 % Speed = Indoor Fan Speed Control Setting, in percent
 (Value is set on the Control Interface via Service Menu *).
 W = Indoor Fan Power, Watts
 [] - Data in the box indicates Factory Default Setting.

*Service → Service Settings → Thermoregulation → Thermoregulation Gfc4



3 Phase
Tri-Capacity
63.00 kW

INDOOR UNIT FAN CURVE



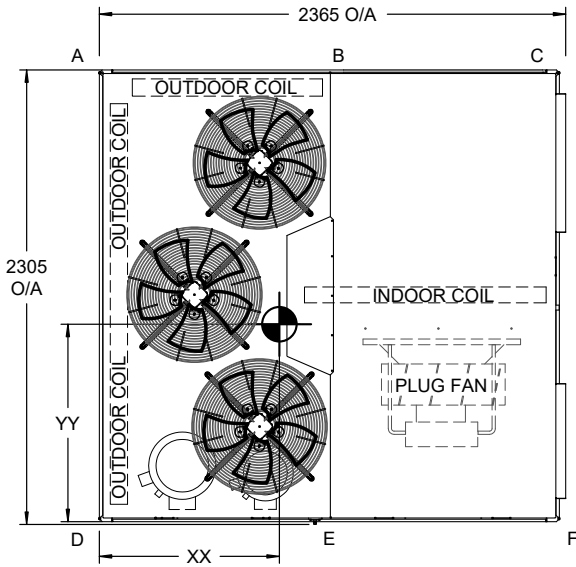
NOTE
 Fan Performance Data and Fan Curve shown is at dry coil and with no air filters installed. Consider external static pressure drop specific to your design requirements. Airflow should be reduced with respect to the moisture content in the air. Please review filter manufacturer for application. 2.5 m/s face velocity point will occur at 4097 l/s.



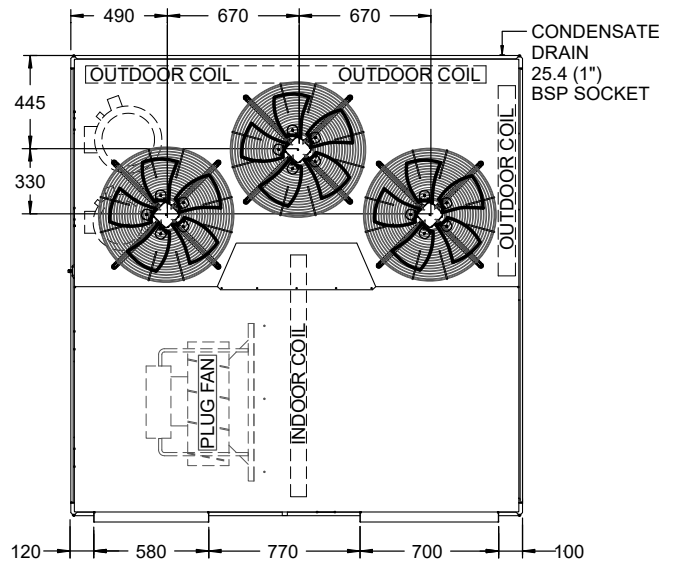
PACKAGE UNIT DIMENSIONS

PKY620T

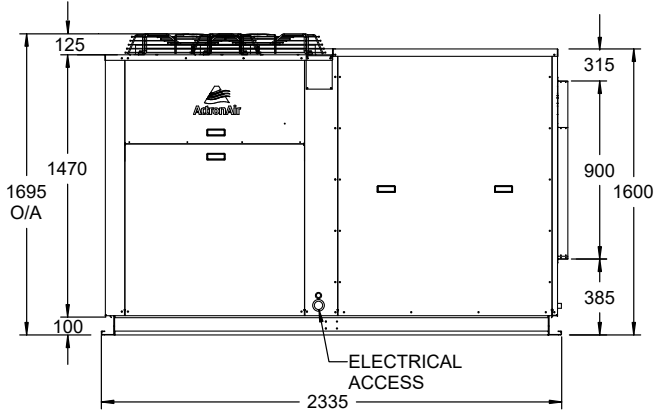
DIMENSION (H x W x D) = 1695 x 2305 x 2365
 SUPPLY DUCT (H x W) = 650 x 580
 RETURN DUCT = 900 x 700



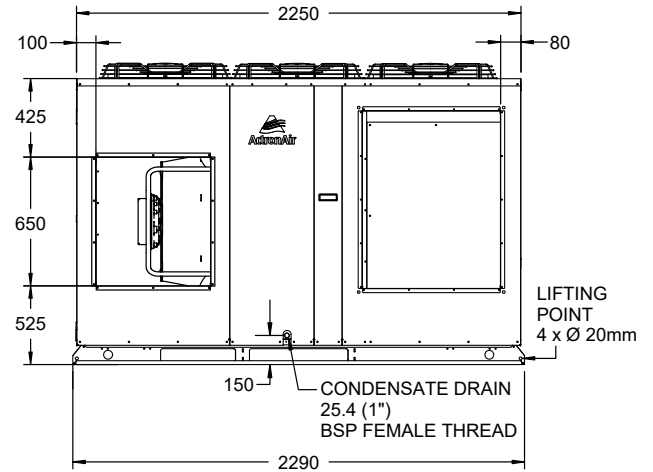
TOP VIEWS



63.00 kW
 3 Phase
 Tri-Capacity



FRONT VIEW

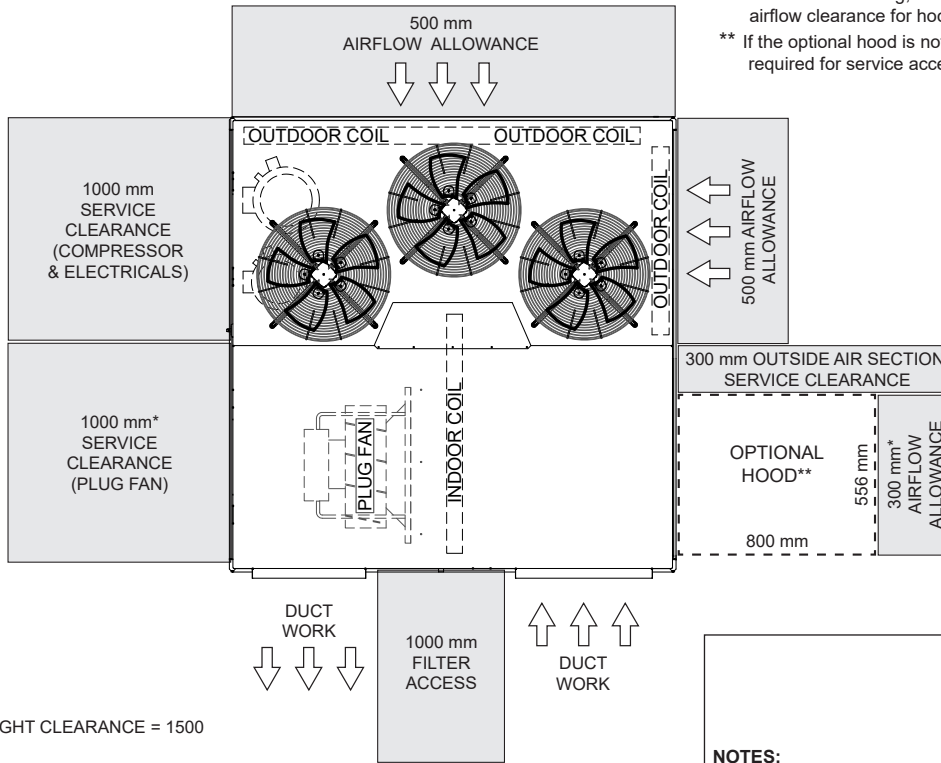


SIDE VIEW

UNIT AIR HANDLING CONFIGURATION (LH / RH)	NO. OF POINTS	UNIT WEIGHT (kg)	CORNER WEIGHTS (kg)						CENTRE OF GRAVITY (mm)	
			A	B	C	D	E	F	XX	YY
LEFT HANDING	6	937	139	188	57	186	279	88	1115	1060
RIGHT HANDING	6	937	130	207	106	192	228	74		

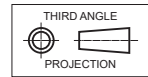


SERVICE ACCESS AREAS AND AIRFLOW CLEARANCES



HEIGHT CLEARANCE = 1500

* 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.

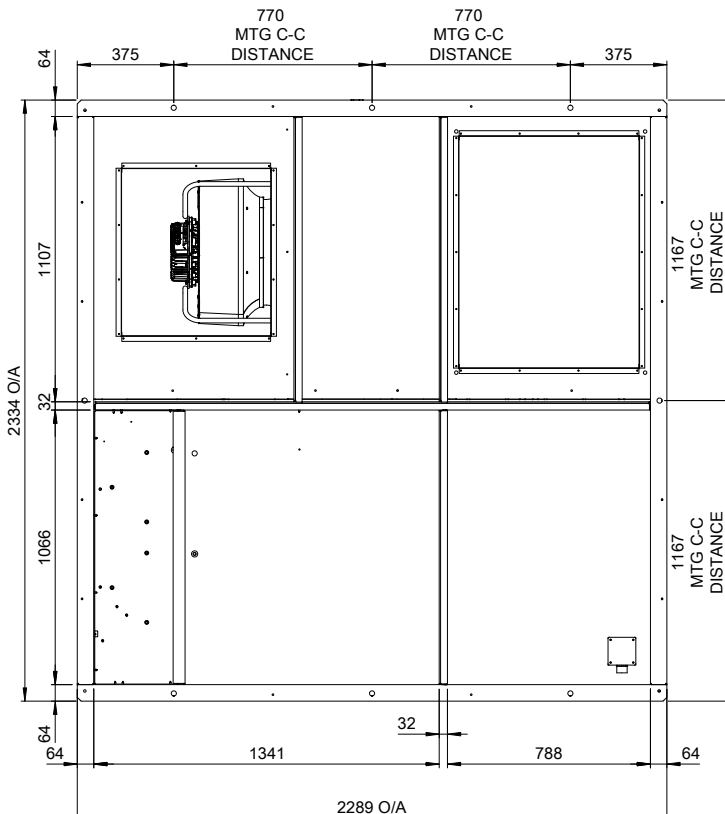


NOTES:

1. Do not scale drawing. All dimensions are in mm unless specified. Refer to corresponding unit dimensional drawing for mounting hole details.
2. Service Access Areas and Spaces for Airflow Clearances given above are suggested minimum based on the condition that the spaces around the units are free from any obstructions and a walkway 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 obstructions.
5. STACKING OF UNITS: Ensure that minimum airflow and clearances are met.
6. MTG C-C DIST = Mounting Centre to Centre Distance.
7. Use M12 bolt for feet mounting.
8. LH / RH refers to Left Hand or Right Hand location of supply air.
9. Diagrams are left handing.

UNIT BASE DIMENSIONS

Down discharge/down return option shown below



3 Phase
Tri-Capacity

63.00 kW



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	77.0	83.8	76.5	73.8	70.7	65.9	58.0	53.0
High	82.0	88.8	81.5	78.8	75.7	70.9	63.0	58.8

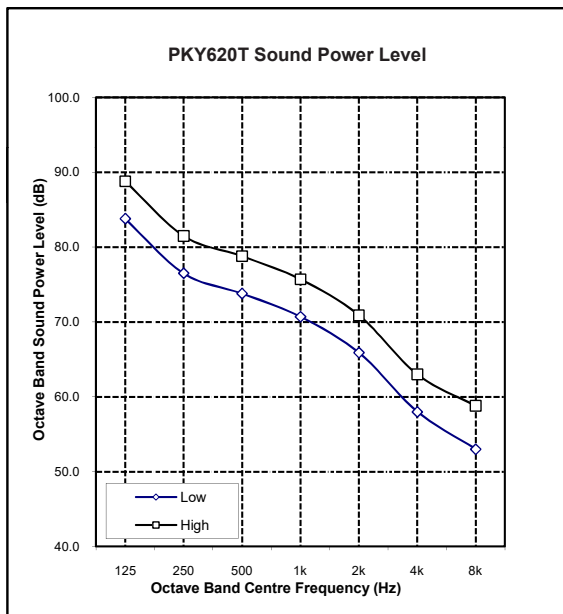
Indoor Outlet

Sound Power Level (SWL)

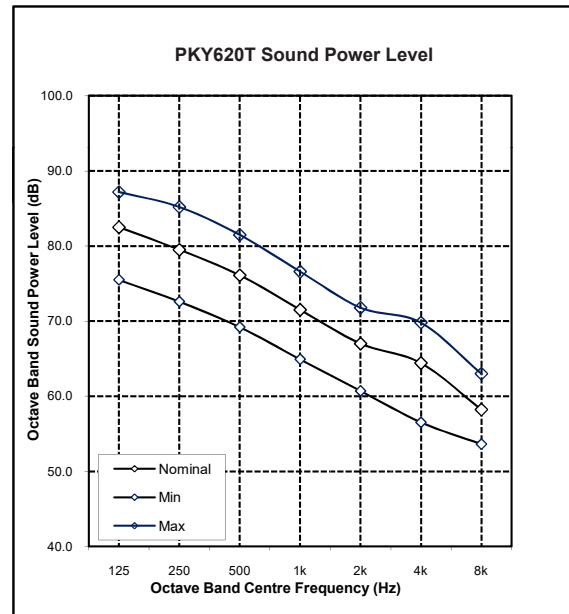
Airflow Setting	Airflow l/s	Sound Power Level dB(A)	Octave Band Centre Frequency (Hz), dB						
			125	250	500	1k	2k	4k	8k
Minimum	2500	71.2	75.5	72.6	69.2	64.9	60.7	56.5	53.6
Nominal	3200	77.9	82.5	79.5	76.1	71.5	67.0	64.4	58.2
Maximum	3900	83.2	87.2	85.2	81.5	76.6	71.8	69.8	63.0

63.00 kW
3 Phase
Tri-Capacity

OUTDOOR RADIATED



INDOOR OUTLET



NOTES:

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



SPECIFICATIONS

PKY620T

CONSTRUCTION		COMPRESSOR			
CABINET BASE	1.9 mm Galvanised Steel	NUMBER PER UNIT x TYPE	2 x Scroll (Hermetic)		
CABINET TOP AND SIDES	0.9 - 1.6 mm Galvanised Steel	FULL LOAD AMPS - (Comp. 1 & 2)	14.3 & 25.5		
SURFACE FINISH	65 microns Baked Polyester Powder Coat	LOCKED ROTOR AMPS - (Comp. 1 & 2)	101.0 & 140.0		
INSULATION		STARTING METHOD	D.O.L. (optional soft starter)		
TYPE	Foil Faced Polyethylene	REFRIGERATION SYSTEM			
SOUND LEVEL * dB(A)		REFRIGERANT TYPE	R-410A		
SOUND PRESS. - Low / High	60.0 / 65.0 @ 3 m Distance	EXPANSION CONTROL- TYPE x NO. PER UNIT	Bi-Flow TXV (Thermostatic Valve) x 2		
SOUND POWER LEVEL - Low / High	77.0 / 82.0	FACTORY CHARGE - (Crt. 1 & 2)	7,200 grams & 12,700 grams		
* Sound data is based on the outdoor fan's manufacturer sound level data.		PROTECTION DEVICES			
ELECTRICAL		HIGH PRESSURE CUTOOUT SWITCH	Nonadjustable (Automatic Reset)		
POWER SUPPLY - 50 Hz	400 Volts x 3 Phase + Neutral	LOW PRESSURE CUTOOUT SWITCH	Nonadjustable (Automatic Reset)		
VOLTAGE RANGE (min - max)	376V - 440V	COMPRESSOR MOTOR TEMP.	Internal Thermal Cut-Out		
FULL LOAD AMPS * - Phase 1	53.9	INDOOR FAN OVERLOAD	Full Electronic Monitoring		
FULL LOAD AMPS * - Phase 2 & 3	53.9 and 53.9	OUTDOOR FAN OVERLOAD	Internal Thermal Cut-Out		
RATED LOAD AMPS**	39.2	SUMP HEATER WATTS - (Comp. 1 & 2)	30W & 90W		
APPROX. STARTING AMPS	140.0	ELECTRIC CONTROLS			
IP RATING	IP44	DEFROST METHOD	Reverse Cycle		
IMPORTANT - The local electricity authority may require limits on starting current and voltage drop, please check prior to purchase.		DEFROST TYPE	Adaptive Demand Defrost		
* Full Load Amps are based on compressor and fan motor's maximum expected current.		CONTROL CIRCUIT BREAKER	16.0 Amps		
** Rated Load Amps are measured and tested in accordance with AS/NZS3823.1.2.		OPTIONAL THIRD PARTY BMS / CONTROLLER INPUTS	MODBUS 485 BACNET 485 BACNET TCP/IP 0-10VDC / 24VAC Third Party Input		
CABLE SIZE & CIRCUIT BREAKER SIZE 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.		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.			
CABLE SIZE (MAIN LINE)	16.0 mm ² (SUGGESTED MINIMUM)	MODE	RANGE	INDOOR AIR INTAKE TEMPERATURE	OUTDOOR AIR INTAKE TEMPERATURE
CIRCUIT BREAKER SIZE - Amps	63.0	Cooling	Max.	29°C DB / 19°C WB	50°C DB
OUTDOOR COIL			Min.	20°C DB / 15°C WB	15°C DB
TUBE TYPE	Copper - Rifle Bore	Heating	Max.	24°C DB	21°C DB / 16°C WB
FIN TYPE	Aluminium - Corrugated		Min.	16°C DB	-10°C DB
FACE AREA (m sqr) - Coil 1 & 2	1.45 & 2.75	IMPORTANT - Lower ambient available on request. Contact your nearest ActronAir office for more details.			
FIN SPACING (per m) - Coil 1 & 2	472 & 472	AIR FILTER PROVISION			
COIL COATING	Hydrophilic Blue Coat Coil Fin Protection	All return air including fresh 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.			
OUTDOOR FAN		ActronAir does not supply or make any provisions for return air filter.			
NUMBER OF FANS x TYPE	3 x Axial Low Noise	FILTER RAILS FITTED (Filters not Supplied)			
NUMBER OF BLADES PER FAN	5	FILTER SIZES - H x W x T (mm)		508 x 621 x 100	407 x 621 x 100
INPUT kW / FULL LOAD AMPS	0.50 / 2.62 each fan	QUANTITY			
MOTOR TYPE / DRIVE TYPE	6 Pole External Rotor / Direct Drive			4	2
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)	1.64 (interlaced)				
FIN SPACING (per m)	472				
COIL COATING	Hydrophilic Blue Coat Coil Fin Protection				
INDOOR FAN					
NUMBER OF FANS x TYPE	1 x Backward Curve Plug Fan				
INPUT kW / FULL LOAD AMPS	2.20 / 6.0				
MOTOR TYPE / DRIVE TYPE	Variable Speed EC Motor / Direct Drive				

3 Phase
Tri-Capacity

63.00 kW

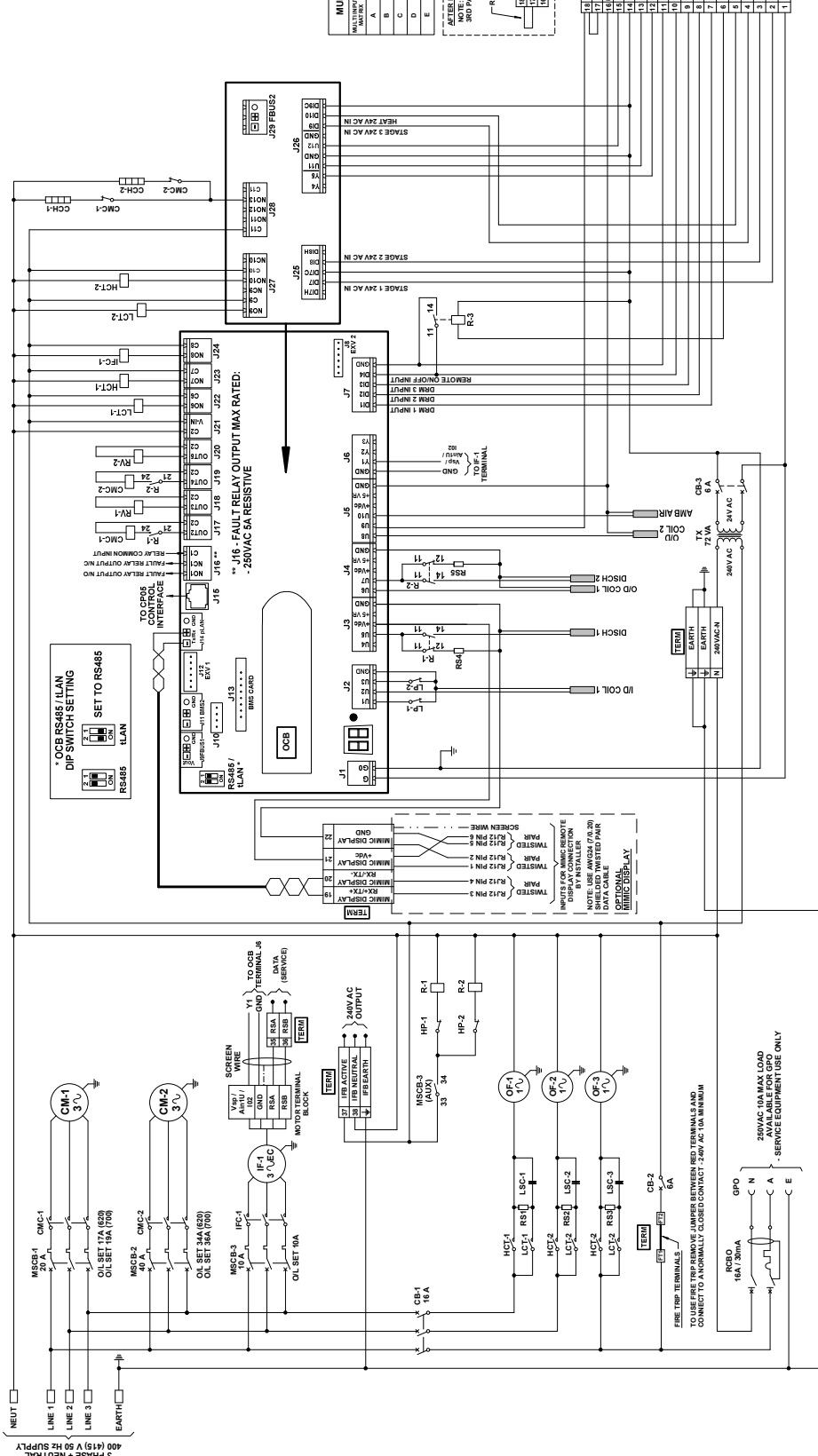


WIRING DIAGRAM

PKY620T

LEGEND	
AH-PB	AFTER HOURS PUSH BUTTON
CB	CIRCUIT BREAKER
CH	CRANKCASE HEATER
CM	COMPRESSOR MOTOR
CMC	COMPRESSOR MOTOR CONTACTOR
GPO	GENERAL PURPOSE OUTLET
HCT	HIGH SPEED FAN CONTACTOR
HP	HIGH PRESSURE SWITCH
IF	INDOOR FAN MOTOR
IFC	INDOOR FAN CONTACTOR
LCT	LOW SPEED FAN CONTACTOR
LP	LOW PRESSURE SWITCH
LSC	LOW SPEED CAPACITOR
MSCB	MOTOR START CIRCUIT BREAKER/OI
OCB	OUTDOOR CONTROL BOARD
OF	OUTDOOR FAN MOTOR
R	RELAY
RS	RESISTOR
RV	REVERSING VALVE
RCBO	RESIDUAL CURRENT CIRCUIT BREAKER/OI
TERM	TERMINAL BLOCK
TX	TRANSFORMER

FINAL COMMISSIONING
FAN SETPOINT VOLTAGE
Fan Speed: V or %
Date:/...../.....



MULTI INPUT	DESCRIPTION	TYPE
A	SUPPLY AIR TEMP	SENSOR
B	ECONOMY MODE	DIGITAL INPUT
C	NIGHT MODE	DIGITAL INPUT
D	COMP STAGE CONTROL	0-10V ANALOGUE
E	IN-FAN SPEED CONTROL	0-10V ANALOGUE

AFTER HOURS CONTROL UNIT INSTALLATION INSTRUCTION
NOTE: CLM1, CPMS & CPMS CONTROLLERS ONLY.
SBO PARTY CONTROLS REFER TO INSTALLATION MANUAL.
CONNECTIONS SHOWN ARE FOR AFTER HOURS ACTIVATION.
REMOVE LOOP WIRE FOR AFTER HOURS ACTIVATION.

TERM	DESCRIPTION
18	AFTER HOURS
17	R17V AIR SENSOR
16	R16V AIR SENSOR
15	MULTI INPUT 2
14	COMMON (GND)
13	MULTI INPUT 1
12	COMMON (GND)
11	COMMON (GND)
10	REMOTE ON/OFF
9	DRM3
8	DRM2
7	DRM1
6	IN-FAN SPEED IN
5	STAGE 2 (24VAC IN)
4	STAGE 1 (24VAC IN)
3	24VAC OUT
2	24VAC OUT
1	24VAC OUT

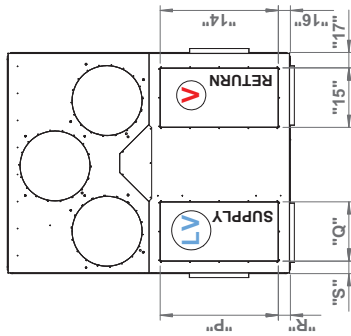
ActronAir		Base Model No: PKY620-700T	Variation Code: STANDARD
Description: CM100 TRI-CAPACITY CONTROL SYSTEM WIRING DIAGRAM		Revision: B	Size: A3
Rev. A	Description: ORIGINAL	Approved: RL	Drawing No: 0515-8606
By: PCR	Date: 14-03-2023	Drawn: JL	Date: 11-01-2021
B CHANGED TERMINAL DESC'S FOR ID FAN TO ALLOW DIFFERENT MANUFACTURERS CONNECTIONS. REMOVE DEFAULT FAN SPEED SETTINGS TABLE. SET ID FAN O/L TO 10A		Date: 14-03-2023	
A		Date: 14-03-2023	

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			

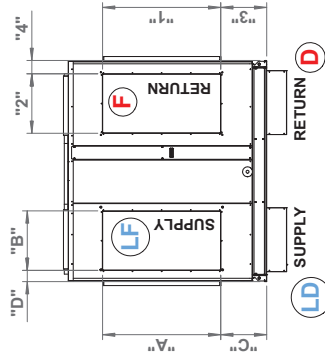
RETURN INLET DIMENSIONS

	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			

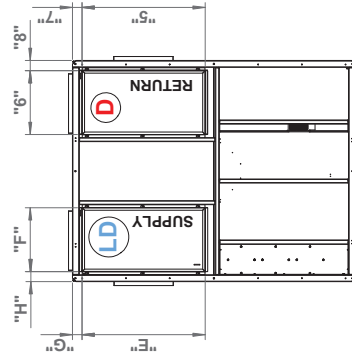


- NOTE: UNIT VIEWED FROM AIR HANDLING END**
- SIZE AND POSITION OF RETURN & SUPPLY ARE INDICATIVE ONLY. SEE TABLE FOR ACTUAL SIZE AND POSITION FOR EACH PARTICULAR MODEL**
- ALL FLANGES ARE OUTSIDE DIMENSIONS**
- ALL FLANGES ARE RAW EDGE EXCEPT FOR DOWN SUPPLY (LD) & DOWN RETURN (D) ON PKY820-960 WHICH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

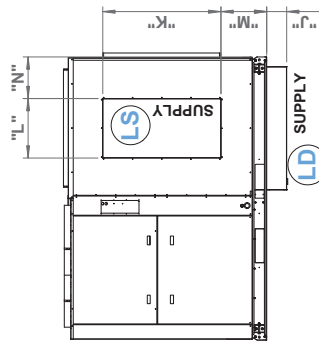
TOP VIEW



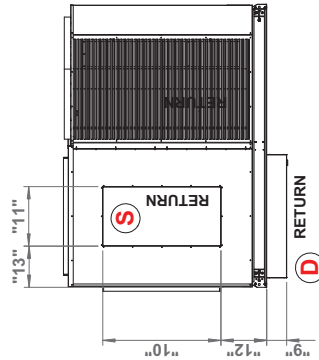
END VIEW



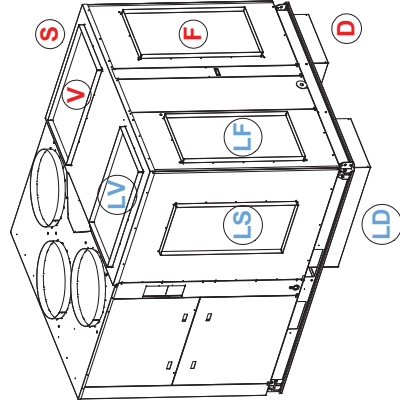
BOTTOM VIEW



LH SIDE



RH SIDE



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

LEGEND FOR SUPPLY POSITIONS

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

LEGEND FOR RETURN POSITIONS

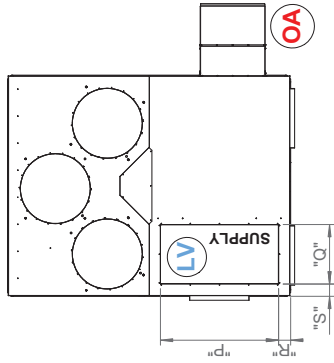
- D = RIGHT DOWN RETURN**
- F = RIGHT FRONT RETURN**
- S = RIGHT SIDE RETURN**
- V = RIGHT VERTICAL RETURN**

SUPPLY OUTLET DIMENSIONS

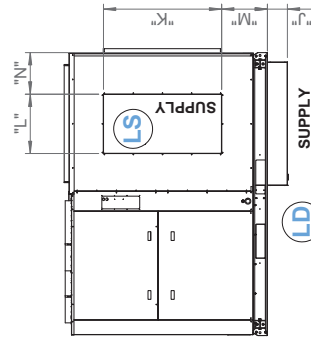
	LF			LD												LS					LV				
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S								
PKY470-540	653	583	404	117	653	583	266	170	201	653	418	303	583	300	653	300	120								
PKY620-700	653	583	524	117	653	583	266	170	201	653	583	524	303	653	583	265	118								
PKY820-960	1203	605	469	116	1254	651	98	102	203	1203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

RETURN INLET DIMENSIONS

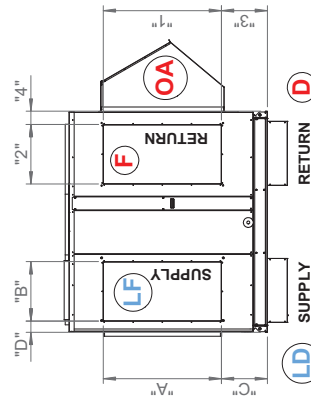
	F												D					OA				
	1	2	3	4	5	6	7	8	9	18	19	20	21									
PKY470-540	903	703	295	80	NA	NA	NA	NA	NA	1197	557	138	227									
PKY620-700	903	703	385	97	NA	NA	NA	NA	NA	1197	557	248	227									
PKY820-960	1203	605	469	136	1254	651	98	102	203	1258	668	441	255									



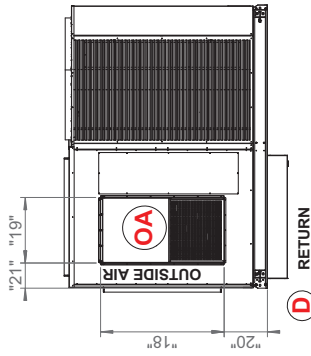
TOP VIEW



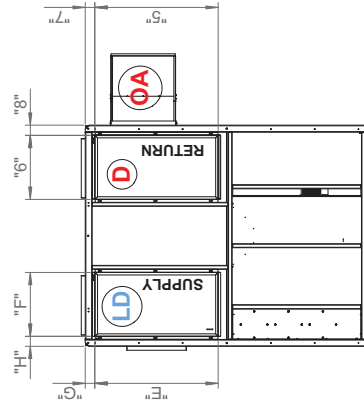
LH SIDE



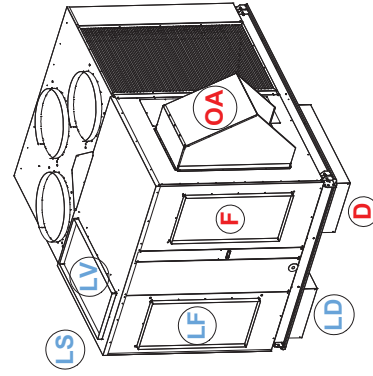
END VIEW



RH SIDE



BOTTOM VIEW



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.

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

LEGEND FOR SUPPLY POSITIONS

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

LEGEND FOR RETURN POSITIONS

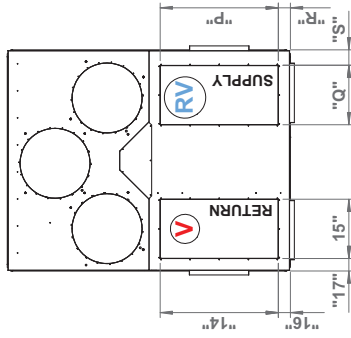
- D = RIGHT DOWN RETURN
 - F = RIGHT FRONT RETURN
 - OA = OUTSIDE AIR RETURN
- NOTE: WEATHERHOOD IS AN OPTION**

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				

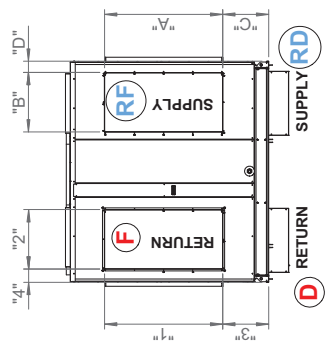
RETURN INLET DIMENSIONS

	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				

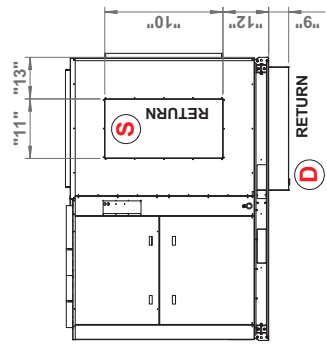


- NOTE: UNIT VIEWED FROM AIR HANDLING END
- SIZE AND POSITION OF RETURN & SUPPLY ARE INDICATIVE ONLY. SEE TABLE FOR ACTUAL SIZE AND POSITION FOR EACH PARTICULAR MODEL
- ALL FLANGES ARE OUTSIDE DIMENSIONS
- ALL FLANGES ARE RAW EDGE EXCEPT FOR DOWN SUPPLY (RD) & DOWN RETURN (D) ON PKY820-960 WHICH HAVE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

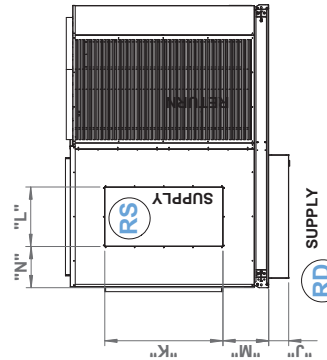
TOP VIEW



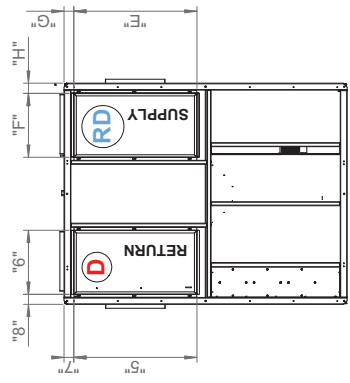
END VIEW



LH SIDE



RH SIDE



BOTTOM VIEW

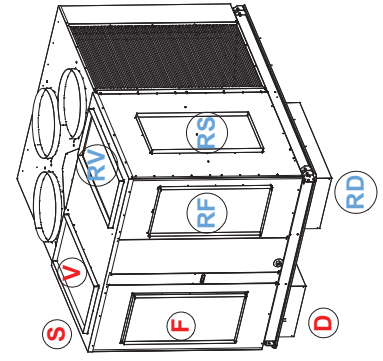
LEGEND FOR SUPPLY POSITIONS

- 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
R**T VARIATIONS**



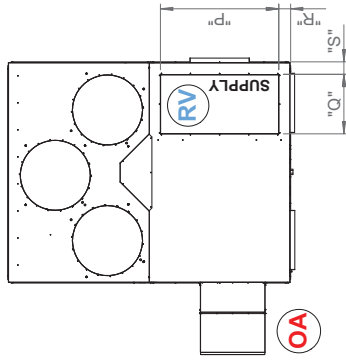
**3 Phase
Tri-Capacity
63.00 kW**

SUPPLY OUTLET DIMENSIONS

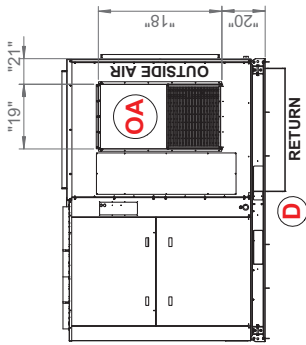
	RF			RD												RS			RV		
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S				
PKY470-540	653	583	404	117	653	583	266	170	201	653	583	418	303	583	653	300	120				
PKY620-700	653	583	524	117	653	583	266	170	201	653	583	524	303	653	583	265	118				
PKY820-960	1203	605	469	115	1254	651	98	102	203	1203	605	467	423	1203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

RETURN INLET DIMENSIONS

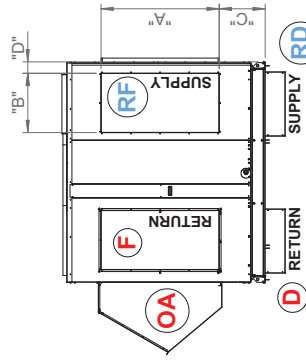
	D												OA		
	1	2	3	4	5	6	7	8	9	18	19	20	21		
PKY470-540	903	703	295	80	NA	NA	NA	NA	NA	1197	557	138	227		
PKY620-700	903	703	385	97	NA	NA	NA	NA	NA	1197	557	248	227		
PKY820-960	1203	605	469	136	1254	651	98	102	203	1258	668	441	255		



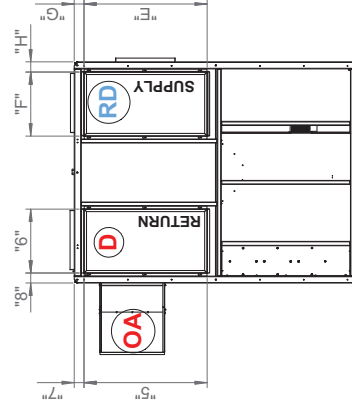
TOP VIEW



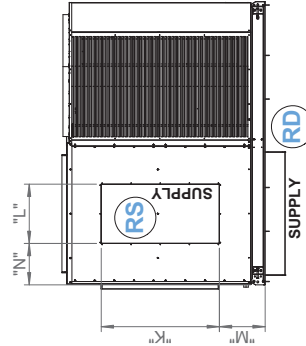
LH SIDE



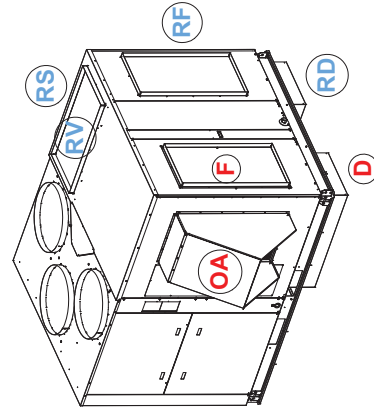
END VIEW



BOTTOM 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.

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

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**