

# PACKAGE UNIT



## UNIT FEATURES

- Compliant Digital Scroll Compressor
- Pre-charged with R-410A Refrigerant
- Multiple Speed Outdoor Fans
- 40-100% variable refrigeration capacity
- Electronic expansion valves
- Low ambient cooling operation to +5 deg
- Phase Protection
- Hydrophilic Blue Coat Coil Fin Protection - Indoor and Outdoor Coils
- Removable Louvred Outdoor Coil Guard
- Adaptive Demand Defrost
- EC Variable Speed Indoor Fan + Reduce Fan Airflow Feature
- Adjustable Indoor Airflow
- Foil Faced Polyethylene Insulation - Indoor unit

## UNIT OPTIONS

- Compressor Soft Starters
- Additional Full Coil Coat Protection

## CONTROL OPTIONS AND FEATURES

ActronAir LC7-2 (BCA Compliant)

- Available in White or Grey
- 7-day Programmable Controller with 2 Events per Day
- 24-hour ON/OFF Timer
- Temperature Setback
- After Hours Time
- Auto / Cool / Heat / Fan Only / Night Modes Functions
- Auto / Continuous Indoor Fan Operation
- Optional 2nd and 3rd Controllers with Mimic Logic
- On-Board Temperature Sensor

### ActronAir Neo

- 7" Colour Touch Screen Master Controller
- In-built Wi-Fi and Blue-Tooth
- Neo Connect App
- On-Board Temperature, Humidity and Proximity Sensor
- Optional wireless Zone Sensor
- Available in White or Black

### ActronAir Group Control

### ActronAir BMS ICUNO (Modbus 485)

## THIRD PARTY CONTROL

- Manual Control Inputs (Heat, Cool and Fan Operation)
- Analogue Input (Fan and Cool Operation)

## SPECIFICATION SUMMARY

PACKAGE MODEL	PKV330T-T		
	(1) TOTAL	(2) NETT	
(3) COOLING CAPACITY (kW)	MINIMUM	13.56	13.20
	RATED	33.90	33.00
(4) HEATING CAPACITY (kW)	MINIMUM	13.27	13.65
	RATED	31.60	32.50
(5) SENSIBLE CAPACITY (kW)		28.29	27.39
(6) COOLING INPUT POWER (kW)	10.05		
(6) HEATING INPUT POWER (kW)	9.48		
EER	3.37	3.28	
COP	3.33	3.43	
(6) INDOOR AIRFLOW (l/s) - MIN. / NOMINAL / MAX.	1400 / 1750 / 2100		
OUTDOOR SOUND PRESS. LEVEL @ 3M dB(A) - LOW / HIGH	58.8 / 62.8		
OUTDOOR SOUND POWER LEVEL dB(A) -- LOW / HIGH	75.8 / 79.8		
POWER SUPPLY	400V / 3Ph+N / 50Hz		
(2) RATED LOAD AMPS	19.7		
(7) FULL LOAD AMPS	28.0		
(6) CIRCUIT BREAKER AND CABLE AMPS	32.0		
APPROXIMATE STARTING AMPS	139.0		
WEIGHT (kg)	433		

- (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.

**Note:** Use input power to estimate running cost.

3 Phase  
1 Stage  
33.90 kW

# CAPACITY SELECTION DATA

# PKV330T-T

## 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	35.48	21.60	23.67	25.71	27.74	29.71	31.35					
	17	35.48	19.56	21.55	23.63	25.69	27.72	29.70	31.48				
	18	36.20	17.39	19.50	21.51	23.60	25.65	27.66	29.72	31.58	33.27		
	19	37.11	15.18	17.34	19.49	21.46	23.53	25.59	27.64	29.67	31.57	33.35	34.92
	20	37.96	12.90	15.10	17.27	19.43	21.40	23.46	25.52	27.58	29.61	31.56	33.40
	21	39.05		12.85	15.01	17.21	19.33	21.30	23.42	25.45	27.48	29.54	31.51
22	40.05			12.80	14.94	17.14	19.27	21.39	23.32	25.37	27.42	29.46	
30	16	34.23	20.99	23.04	25.09	27.09	28.98	30.44					
	17	34.17	18.96	20.95	23.04	25.08	27.08	29.02	30.78				
	18	34.81	16.81	18.94	20.89	22.98	25.02	27.04	29.04	30.91	32.35		
	19	35.54	14.60	16.77	18.89	20.87	22.94	25.00	27.01	29.00	30.92	32.64	
	20	36.42	12.37	14.56	16.73	18.85	20.82	22.90	24.95	26.97	28.97	30.94	32.73
	21	37.48		12.29	14.46	16.64	18.79	20.77	22.81	24.88	26.94	28.92	30.87
22	38.42			12.22	14.39	16.56	18.70	20.67	22.73	24.80	26.85	28.84	
35	16	32.90	20.32	22.39	24.43	26.39	28.17						
	17	32.90	18.31	20.31	22.36	24.39	26.38	28.27	29.91				
	18	33.32	16.18	18.28	20.26	22.33	24.36	26.35	28.32	30.14			
	19	33.90	13.97	16.13	18.28	20.22	22.30	24.35	26.36	28.29	30.19	31.73	
	20	34.81	11.75	13.92	16.08	18.22	20.17	22.23	24.28	26.29	28.27	30.22	31.97
	21	35.69		11.71	13.88	16.04	18.14	20.14	22.15	24.23	26.22	28.23	30.18
22	36.57			11.64	13.80	15.94	18.10	20.04	22.09	24.13	26.17	28.20	
40	16	31.26	19.55	21.63	23.61	25.53	27.12						
	17	31.29	17.47	19.54	21.61	23.60	25.59	27.35					
	18	31.51	15.45	17.57	19.50	21.59	23.61	25.55	27.44	29.01			
	19	32.02	13.25	15.41	17.69	19.46	21.53	23.59	25.54	27.49	29.24		
	20	32.78	11.05	13.24	15.39	17.48	19.43	21.48	23.52	25.52	27.46	29.31	30.85
	21	33.60		11.01	13.17	15.33	17.43	19.39	21.41	23.46	25.48	27.40	29.34
22	34.45			10.95	13.11	15.25	17.37	19.33	21.33	23.39	25.40	27.40	
45	16	29.51	18.71	20.80	22.75	24.58							
	17	29.54	16.67	18.72	20.75	22.76	24.65	26.20					
	18	29.54	14.67	16.66	18.69	20.73	22.76	24.66	26.45				
	19	29.99	12.52	14.62	16.61	18.68	20.72	22.73	24.68	26.54	27.98		
	20	30.66	10.31	12.46	14.61	16.69	18.64	20.64	22.68	24.66	26.56	28.29	
	21	31.42		10.26	12.43	14.55	16.66	18.59	20.61	22.61	24.66	26.57	28.36
22	32.29			10.21	12.35	14.51	16.59	18.54	20.57	22.57	24.57	26.50	
50	16	27.57	17.83	19.90	21.77	23.33							
	17	27.60	15.79	17.81	19.88	21.80	23.57						
	18	27.60	13.83	15.79	17.80	19.84	21.82	23.68					
	19	27.81	11.68	13.79	15.77	17.80	19.81	21.82	23.70	25.39			
	20	28.35	9.51	11.63	13.76	15.75	17.76	19.76	21.76	23.71	25.51		
	21	29.05		9.45	11.61	13.73	15.79	17.72	19.71	21.75	23.73	25.55	27.18
22	29.81			9.39	11.54	13.68	15.75	17.68	19.69	21.70	23.65	25.55	

## HEATING PERFORMANCE

WB TEMP ON OD COIL - °C	TOTAL HEATING CAPACITY - kW									
	AT DB ENTERING INDOOR - °C									
	16		18		20		22		24	
	TH	IH	TH	IH	TH	IH	TH	IH	TH	IH
-10	19.92	19.12	19.83	19.04	19.75	18.96	19.63	18.85	19.55	18.77
-8	21.25	20.19	21.14	20.08	21.02	19.97	20.91	19.86	20.80	19.76
-6	22.61	21.25	22.47	21.12	22.35	21.01	22.30	20.96	22.18	20.85
-4	24.06	22.13	23.89	21.98	23.83	21.92	23.69	21.79	23.55	21.66
-2	25.64	22.82	25.47	22.67	25.30	22.52	25.13	22.37	24.99	22.24
0	27.18	23.91	26.98	23.74	26.86	23.64	26.67	23.47	26.50	23.32
2	28.71	26.12	28.48	25.92	28.25	25.71	28.06	25.53	27.86	25.35
4	30.38	30.38	30.07	30.07	29.90	29.90	29.70	29.70	29.47	29.47
6	32.14	32.14	31.86	31.86	31.60	31.60	31.34	31.34	31.15	31.15
8	33.95	33.95	33.64	33.64	33.36	33.36	33.10	33.10	32.85	32.85
10	35.83	35.83	35.51	35.51	35.20	35.20	34.92	34.92	34.63	34.63
12	37.78	37.78	37.44	37.44	37.10	37.10	36.76	36.76	36.45	36.45
14	39.80	39.80	39.43	39.43	39.06	39.06	38.69	38.69	38.35	38.35
16	41.89	41.89	41.47	41.47	41.07	41.07	40.68	40.68	40.28	40.28
18	44.05	44.05	43.60	43.60	43.14	43.14	42.69	42.69	42.26	42.26

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

## AIRFLOW CORRECTION MULTIPLIER

% VARIATION	-20%	-15%	-10%	-5%	NOMINAL	+5%	+10%	+15%	+20%
INDOOR AIRFLOW (l/s)	1400	1488	1575	1663	1750	1838	1925	2013	2100
TOTAL COOLING	0.964	0.975	0.984	0.994	1.000	1.010	1.017	1.024	1.030
SENSIBLE COOLING	0.892	0.923	0.949	0.978	1.000	1.033	1.059	1.086	1.112
HEATING FACTOR	0.987	0.991	0.995	0.997	1.000	1.002	1.005	1.007	1.009

### 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.



33.90 kW  
3 Phase  
1 Stage

## APPLICATION RANGE (COMPRESSOR ON)

AIRFLOW (l/s)	EXTERNAL STATIC PRESSURE (Pa)											
	50		100		150		200		250		300	
	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W
1400	42	463	47	589	51	707	54	835	59	961	71	1118
1450	45	509	49	630	53	755	58	896	62	1011	74	1172
1500	48	559	52	677	55	800	60	935	65	1075	78	1225
1550	50	601	54	725	59	853	63	992	68	1112	82	1288
1600	53	649	57	776	62	908	66	1045	70	1184	85	1354
1650	55	695	61	831	65	965	69	1104	74	1243	90	1419
1700	58	733	64	888	68	1026	72	1167	78	1316	95	1506
1750	62	803	67	947	71	1087	75	1235	83	1401	99	1564
1800	65	862	70	1006	74	1154	78	1308	88	1474	MOTOR / BLOWER LIMIT	
1850	69	926	73	1076	78	1228	82	1376	93	1557		
1900	72	988	77	1148	81	1305	86	1457	98	1639		
1950	75	1058	80	1223	85	1389	89	1533				
2000	79	1134	84	1305	89	1468	94	1624				
2050	83	1206	88	1387	92	1556	99	1721				
2100	87	1304	92	1474	96	1638						

## REDUCED AIRFLOW \*(COMPRESSOR OFF)

AIRFLOW (l/s)	EXTERNAL STATIC PRESSURE (Pa)											
	50		100		150		200		250		300	
	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W
350	MOTOR / BLOWER LIMIT										12	174
400	MOTOR / BLOWER LIMIT										20	289
450	MOTOR / BLOWER LIMIT										22	322
500	MOTOR / BLOWER LIMIT										23	337
550	MOTOR / BLOWER LIMIT										25	370
600	MOTOR / BLOWER LIMIT										26	378
650	MOTOR / BLOWER LIMIT										28	415
700	MOTOR / BLOWER LIMIT										30	446
750	MOTOR / BLOWER LIMIT										31	454
800	MOTOR / BLOWER LIMIT										33	492
850	20	176	24	257	27	323	31	418	35	524	39	615
900	21	183	25	263	29	352	33	453	37	561	42	665
950	23	209	27	291	31	383	35	486	38	568	44	714
1000	25	232	29	318	33	415	36	492	40	600	47	763
1050	27	259	31	345	34	420	38	524	43	669	50	804
1100	29	282	33	375	36	449	41	585	46	727	52	845
1150	31	308	35	402	39	503	43	618	48	764	55	887
1200	33	335	37	431	41	536	46	678	50	794	57	929
1250	35	361	39	457	44	594	48	708	52	832	60	969
1300	37	387	42	513	46	623	50	737	54	888	64	1024
1350	40	426	44	541	48	659	52	780	56	918	67	1065

3 Phase  
1 Stage  
33.90 kW

### NOTES:

\*Reduced fan airflow is the airflow during compressor OFF operation (optional feature)

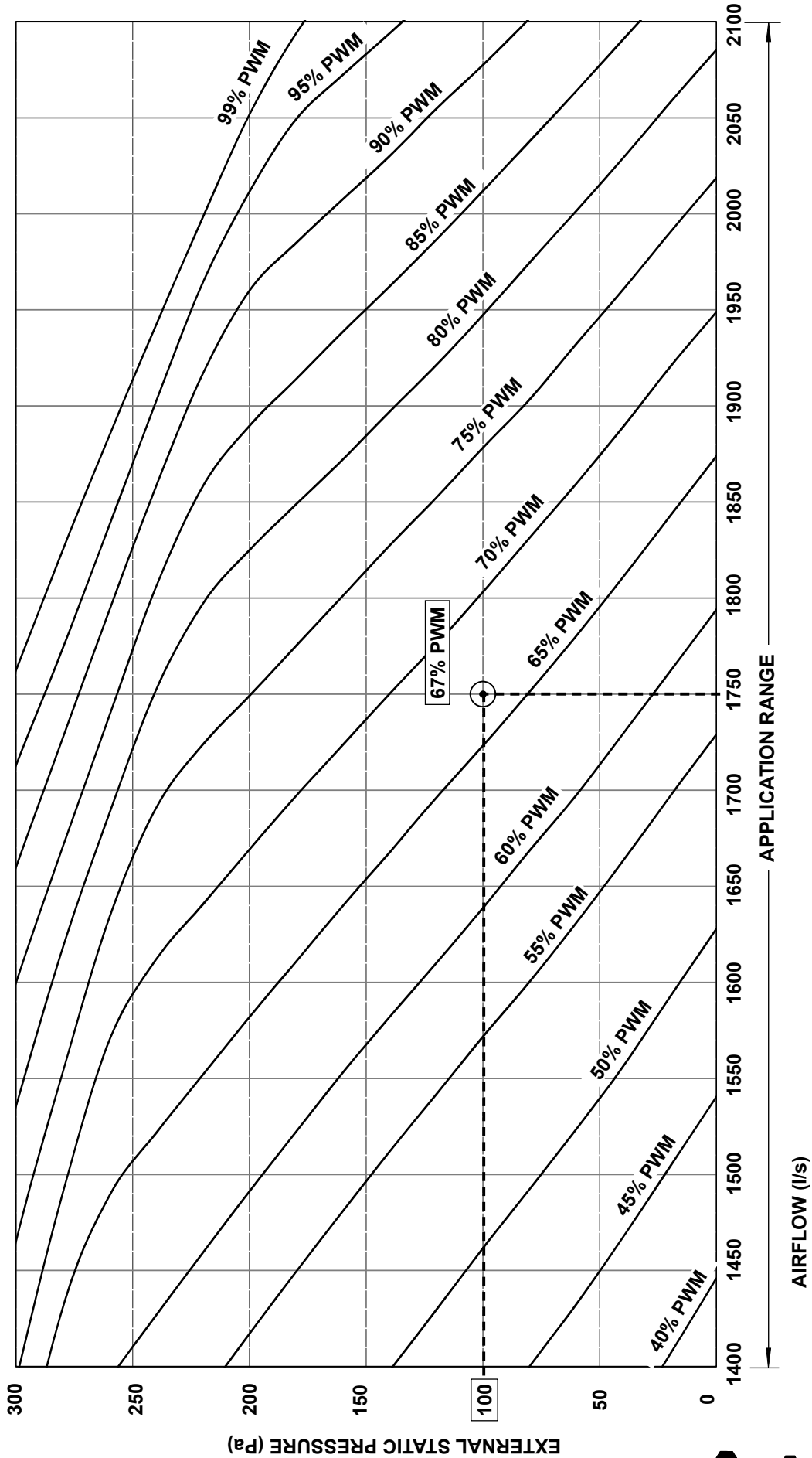
W = Indoor Fan Power, Watts

PWM = Pulse Width Modulation Setting, % PWM (Adjustable through NEO / LC7-2 Interface or Outdoor Board)

Default Fan Speed Value at 100 Pa	
Speed	Default PWM
High PWM (%)	92 (adjustable)
Medium PWM (%)	67 (adjustable)
Low PWM (%)	47 (adjustable)

Indoor Fan PWM Limits	
High PWM (%)	99
Low PWM (%)	42

**33.90 kW**  
3 Phase 1 Stage



Nominal Airflow = 1750 l/s

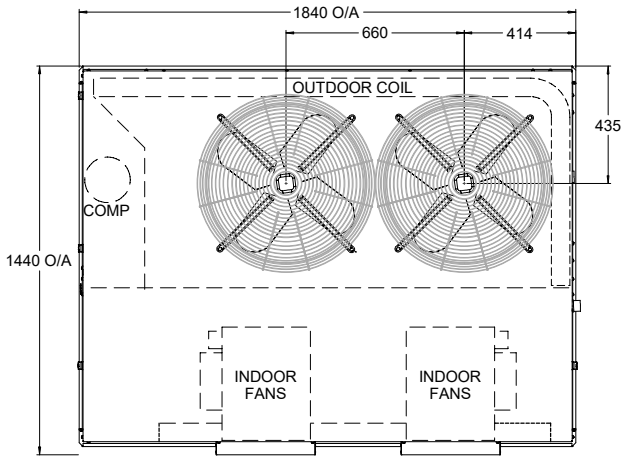
- Notes:**
1. Performance Fan Curve shown is at Dry Coil Condition.
  2. Airflow should be reduced with respect to the moisture content in the air.
  3. All data provided does not include filters. Please review filter manufacturer for application.
  4. 2.5 m/s face velocity point will occur at 2150 l/s.



# UNIT DIMENSIONS

# PKV330T-T

## U PACKAGE UNIT - STANDARD MODEL

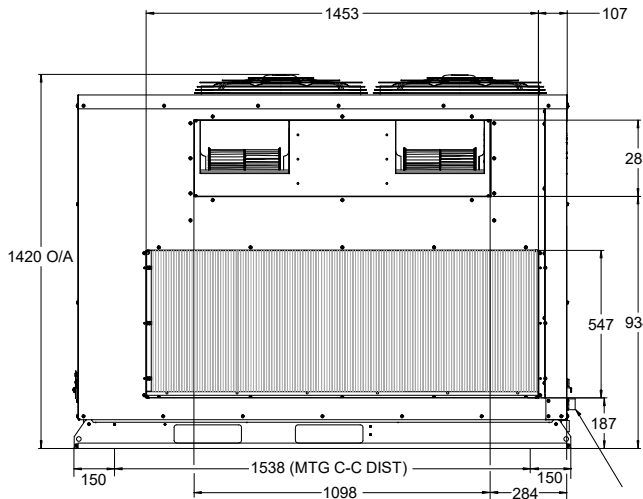
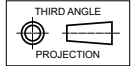


**TOP VIEW**

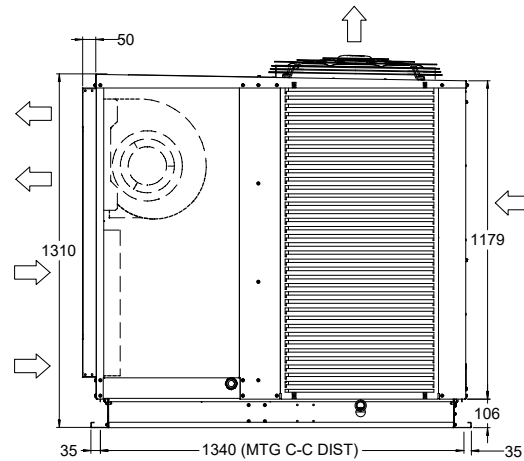
OVERALL NOMINAL DIMENSION (H x W x D)  
 = 1420 x 1840 x 1440  
 SUPPLY DUCT (H x W) = 283 x 1098  
 RETURN DUCT (H x W) = 547 x 1453  
 DRAIN CONNECTION = DN 25mm PN12

**NOTES:**

1. Do not scale drawing.
2. All dimensions are in mm unless specified. Refer to corresponding unit dimensional drawing for mounting hole details
3. Suggested Service Clearance and Airflow Allowances are based on conditions that the spaces are free from obstructions and walkway passage of 1m is available to allow coil replacement without lifting coil over the top of the unit.
4. Minimum service access areas and space for airflow clearances are responsibilities of the installer.
5. Under circumstances, condenser air must not recirculate back onto condenser coil. Keep all clearances free of any obstructions.
6. STACKING OF UNITS: Ensure that minimum airflow and service clearances are met.
7. MTG C-C DIST = Mounting Centre to Centre Distance.
8. Use M12 bolt for feet mounting.



**FRONT VIEW**

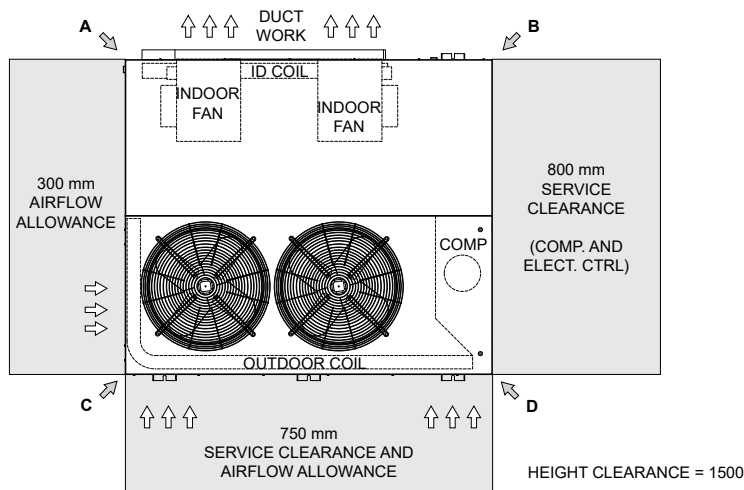


**SIDE VIEW**

UNIT MODEL NUMBER	UNIT WEIGHT (kg)	CORNER WEIGHTS (kg)			
		A	B	C	D
PKV330T-T	433	124	70	63	176

3 Phase  
 1 Stage  
**33.90 kW**

## MINIMUM SERVICE ACCESS CLEARANCES & AIRFLOW SPACE ALLOWANCES



**Outdoor Radiated**

**Sound Power Level (SWL)**

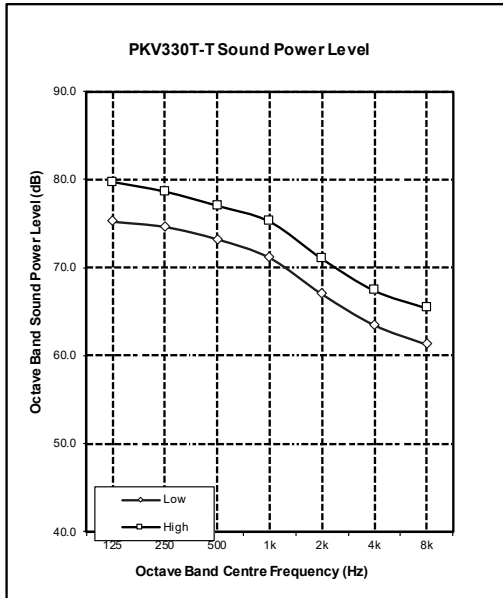
Fan Speed	Sound Power Level dB(A)	Octave Band Centre Frequency (Hz), dB						
		125	250	500	1k	2k	4k	8k
Low	75.8	75.2	74.6	73.2	71.1	67.0	63.5	61.3
High	79.8	79.7	78.6	77.0	75.2	71.0	67.4	65.4

**Indoor Outlet**

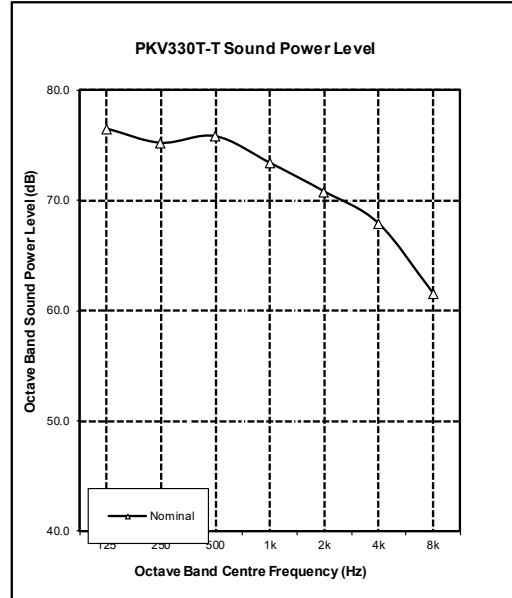
**Sound Power Level (SWL)**

Airflow Setting	Airflow Li/s	Sound Power Level dB(A)	Octave Band Centre Frequency (Hz), dB						
			125	250	500	1k	2k	4k	8k
Nominal	1750	78.5	76.5	75.2	75.8	73.4	70.8	67.9	61.6

**OUTDOOR RADIATED**



**INDOOR OUTLET**



**NOTE:**

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

**33.90 kW**  
**3 Phase**  
**1 Stage**

# SPECIFICATIONS

# PKV330T-T

CONSTRUCTION	
CABINET BASE	1.6 mm Galvanized Steel
CABINET TOP AND SIDES	0.9 - 1.2 mm Galvanized Steel
SURFACE FINISH	65 $\mu$ Baked Polyester Powder Coat

INSULATION	
TYPE	Foil Faced Polyethylene

ELECTRICAL	
POWER SUPPLY - 50 Hz	400 Volts x 3 Phase + Neutral
VOLTAGE RANGE (min - max)	380V - 440V
FULL LOAD AMPS * - (L1 / L2 / L3)	26.3 / 28.0 / 27.0
RATED LOAD AMPS**	19.7
APPROX. STARTING AMPS	139.0
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	
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)	6.0mm <sup>2</sup> (SUGGESTED MINIMUM)
CIRCUIT BREAKER SIZE - AMPS	32.0

OUTDOOR COIL	
TUBE TYPE	Copper - Rifle Bore
FIN TYPE	Aluminium - Wave
FACE AREA (m sqr)	2.46
FIN SPACING (per m)	472
COIL COATING	Hydrophilic Blue Coat Coil Fin Protection

OUTDOOR FAN	
NUMBER OF FANS x TYPE	2 x Axial
NUMBER OF BLADES PER FAN	4
DIAMETER (mm)	560
OUTPUT kW	0.37
MOTOR TYPE / DRIVE TYPE	6 Pole External Rotor / Direct Drive
FAN SPEED CONTROL	3 Speed via Capacitor
The standard type outdoor fans fitted to this unit will accept up to 5Pa of external static resistance.	

INDOOR COIL	
TUBE TYPE	Copper - Rifle Bore
FIN TYPE	Aluminium - Wave
FIN SPACING (per m)	472
COIL COATING	Hydrophilic Blue Coat Coil Fin Protection

INDOOR FAN	
NUMBER OF FANS x TYPE	1 x Twin Deck Centrifugal Fan
DIAMETER / WIDTH (mm)	240 x 240
INPUT kW TOTAL	0.90
MOTOR TYPE / DRIVE TYPE	Variable Speed EC Motor / Direct
FAN SPEED CONTROL	Electronic Control

COMPRESSOR	
NUMBER PER UNIT x TYPE	1 x Digital Scroll (Hermetic)
FULL LOAD AMPS	23.0
LOCKED ROTOR AMPS	139.0
STARTING METHOD	D.O.L. (optional soft starter)

REFRIGERATION SYSTEM	
REFRIGERANT TYPE	R-410A
EXPANSION CONTROL	Direct Expansion Orifice
FACTORY CHARGE (grams)	10,800

PROTECTION DEVICES	
HIGH PRESSURE CUTOFF SWITCH	Nonadjustable (Automatic Reset)
LOW PRESSURE CUTOFF SWITCH	Nonadjustable (Automatic Reset)
COMPRESSOR MOTOR TEMP.	Internal Thermal Cut-Out
INDOOR FAN OVERLOAD	Internal Thermal Cut-Out
OUTDOOR FAN OVERLOAD	Internal Thermal Cut-Out
SUMP HEATER WATTS	50 W during Comp. Off Cycle

ELECTRIC CONTROLS	
DEFROST METHOD	Reverse Cycle
DEFROST TYPE	Adaptive Demand Defrost
CONTROL CIRCUIT BREAKER	10.0 Amps
LC7 FIELD CONTROL WIRING	Cat5e UTP (AWG24) Data Cable

**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.	30°C DB / 22°C WB	50°C DB
	Min.	20°C DB / 16°C WB	5°C DB
Heating	Max.	24°C DB	19.5°C DB / 18°C WB
	Min.	16°C DB	-10°C WB

AIR FILTERS	
All return air including fresh air must have adequate filters supplied and fitted by the installing contractor. Filters must be located in accessible location between the return air grille and the unit.	
ActronAir does not supply or make any provisions for return air filter.	

UNIT COMPLIANCE	
<ul style="list-style-type: none"> <li>AS/NZS 3823.2 (MEPS)</li> <li>AS/NZS 4755.3.1 (DRM1, 2 and 3)</li> <li>AS/NZS CISPR 11, Group 1 Class A (EMC)</li> </ul>	

3 Phase  
1 Stage

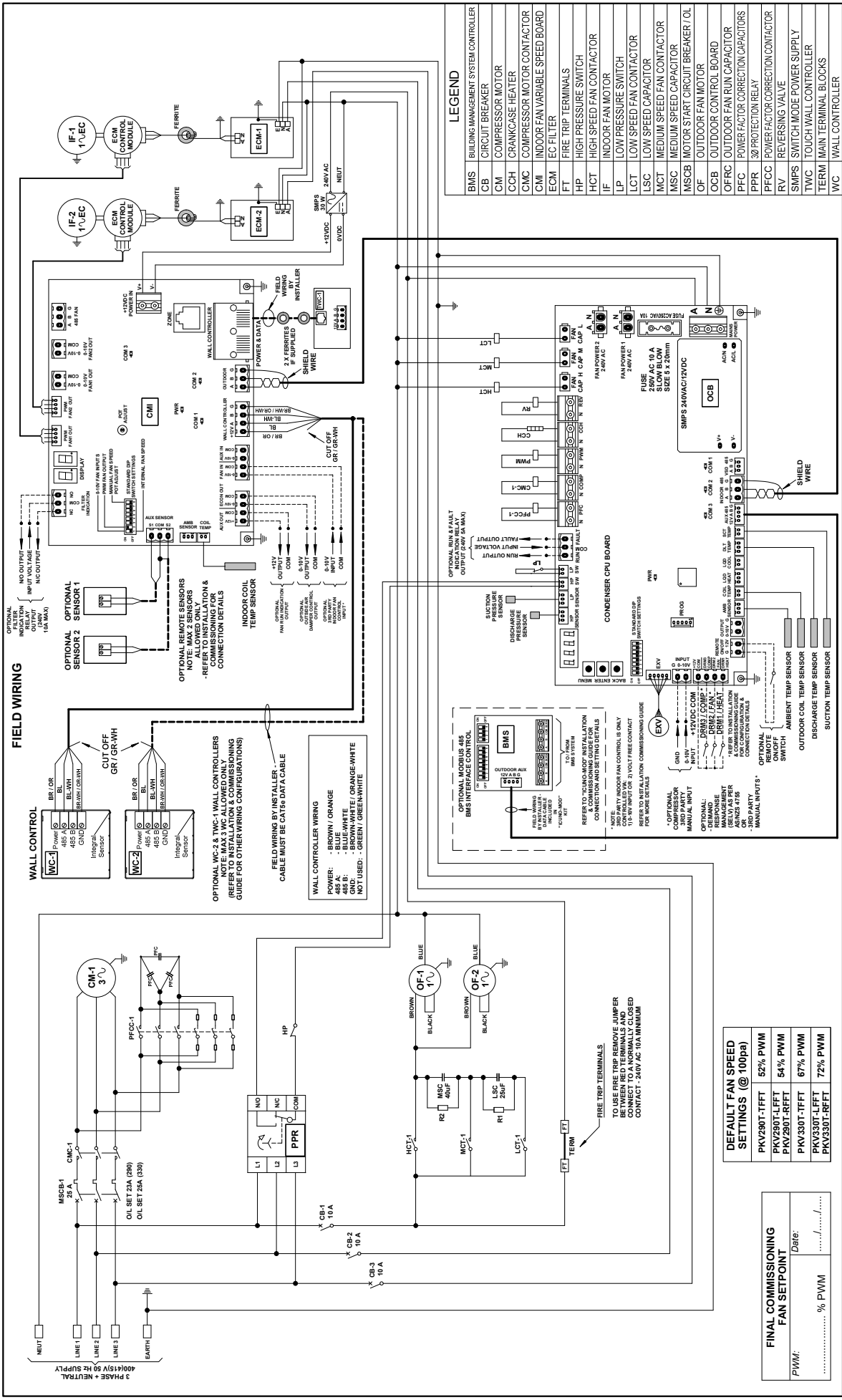
33.90 kW



# WIRING DIAGRAM

# PKV330T-T

**33.90 kW**  
**3 Phase**  
**1 Stage**

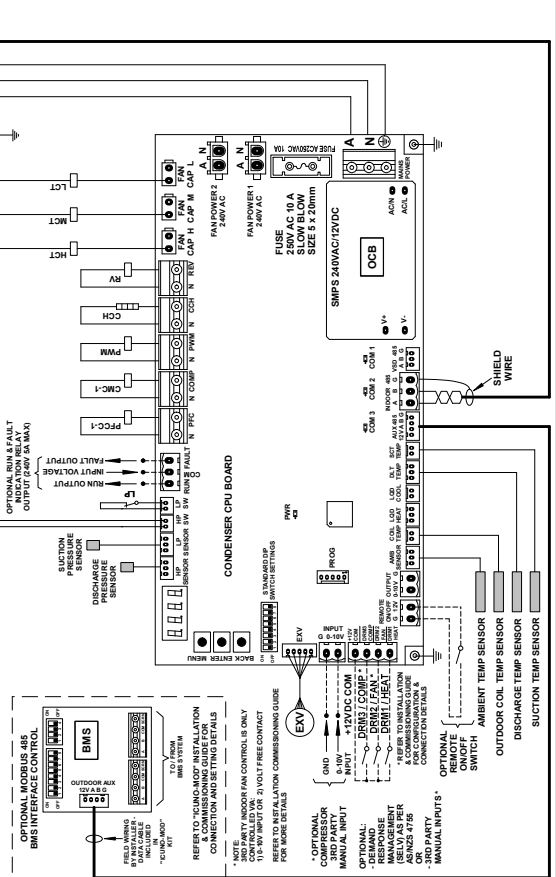


<b>Base Model No:</b> PKV290/330T <b>Variation Code:</b> Variations:	
<b>Standard:</b>	
<b>Description:</b> UNO SERIES CONTROL SYSTEM WIRING DIAGRAM WITH C SERIES WALL CONTROL, CMI VARIABLE SPEED INDOOR FAN CONTROL BOARD & PFC	
<b>Drawn:</b> RL	<b>Date:</b> 30-01-2019
<b>Approved:</b> JL	<b>Date:</b> 20-09-2022
<b>Revision:</b> E	<b>Revision:</b> A3
<b>Drawing No:</b> WD2103	



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BMS	BUILDING MANAGEMENT SYSTEM CONTROLLER
CB	CIRCUIT BREAKER
CM	COMPRESSOR MOTOR
CCH	CRANKCASE HEATER
CIM	COMPRESSOR MOTOR CONTACTOR
COM	INDOOR FAN VARIABLE SPEED BOARD
ECM	ECM FILTER
FT	FIRE TRIP TERMINALS
HP	HIGH PRESSURE SWITCH
HCT	HIGH SPEED FAN CONTACTOR
IF	INDOOR FAN MOTOR
LP	LOW PRESSURE SWITCH
LCT	LOW SPEED FAN CONTACTOR
LSC	LOW SPEED CAPACITOR
MCT	MEDIUM SPEED FAN CONTACTOR
MSC	MEDIUM SPEED CAPACITOR
MISGB	MOTOR START CIRCUIT BREAKER / OIL
OF	OUTDOOR FAN MOTOR
OCB	OUTDOOR CONTROL BOARD
OFRC	OUTDOOR FAN RUN CAPACITOR
PFC	POWER FACTOR CORRECTION CAPACITORS
PPR	100 PROTECTION RELAY
PCC	POWER FACTOR CORRECTION CONTACTOR
RV	REVERSING VALVE
SMPS	SWITCH MODE POWER SUPPLY
TWC	TOUCH WALL CONTROLLER
TERM	MAIN TERMINAL BLOCKS
W/C	WALL CONTROLLER



PWM:	..... % PWM
Date:	...../...../.....

PKV290T-TFFT	52% PWM
PKV290T-RFFT	54% PWM
PKV330T-TFFT	67% PWM
PKV330T-LFFT	72% PWM
PKV330T-RFFT	72% PWM

E	ADDED FERRITE TO TWC-1	3571	RL	16-09-2022
Rev.	Description	PCR	By	Date
D	ORIGINAL			