

# 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 UNIT MODEL		PKV330T-L/R	
		(1) TOTAL	(2) NETT
(3) COOLING CAPACITY (kW)	MINIMUM	13.28	12.96
	RATED	33.20	32.40
(4) HEATING CAPACITY (kW)	MINIMUM	13.73	14.07
	RATED	32.70	33.50
(5) SENSIBLE CAPACITY (kW)		26.72	25.92
(6) COOLING INPUT POWER (kW)		9.99	
(6) HEATING INPUT POWER (kW)		10.00	
EER		3.32	3.24
COP		3.27	3.35
(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	
(8) CIRCUIT BREAKER AND CABLE AMPS		32.0	
APPROXIMATE STARTING AMPS		139.0	
WEIGHT (kg)		432	

- (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

33.20 kW

# CAPACITY SELECTION DATA

# PKV330T-L/R

## 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	34.75	20.39	22.34	24.28	26.20	28.07	29.62						
	17	34.75	18.46	20.34	22.31	24.26	26.18	28.05	29.74					
	18	35.46	16.40	18.41	20.31	22.28	24.23	26.12	28.07	29.84	31.43			
	19	36.35	14.31	16.36	18.40	20.25	22.22	24.17	26.10	28.03	29.83	31.51	32.99	
	20	37.19	12.16	14.24	16.29	18.33	20.20	22.15	24.10	26.05	27.97	29.82	31.56	
	21	38.26		12.11	14.16	16.24	18.24	20.10	22.11	24.03	25.95	27.91	29.77	
	22	39.24			12.06	14.08	16.17	18.19	20.19	22.02	23.95	25.90	27.83	
30	16	33.53	19.82	21.76	23.70	25.59	27.37	28.75						
	17	33.47	17.89	19.77	21.75	23.69	25.58	27.41	29.08					
	18	34.09	15.85	17.87	19.72	21.70	23.63	25.54	27.43	29.20	30.57			
	19	34.81	13.77	15.82	17.83	19.70	21.66	23.61	25.51	27.39	29.21	30.83		
	20	35.67	11.65	13.72	15.78	17.78	19.65	21.62	23.56	25.47	27.37	29.23	30.92	
	21	36.71		11.58	13.64	15.70	17.73	19.61	21.53	23.49	25.45	27.31	29.16	
	22	37.63			11.51	13.56	15.62	17.64	19.51	21.46	23.42	25.36	27.24	
35	16	32.22	19.18	21.13	23.06	24.92	26.61							
	17	32.22	17.28	19.17	21.11	23.03	24.91	26.70	28.25					
	18	32.63	15.26	17.25	19.12	21.08	23.00	24.89	26.75	28.47				
	19	33.20	13.17	15.22	17.24	19.08	21.05	22.99	24.89	26.72	28.52	30.15		
	20	34.09	11.07	13.12	15.17	17.19	19.04	20.99	22.93	24.83	26.70	28.54	30.20	
	21	34.96		11.03	13.08	15.13	17.11	19.00	20.91	22.87	24.76	26.67	28.51	
	22	35.82			10.97	13.01	15.03	17.08	18.91	20.85	22.78	24.72	26.63	
40	16	30.61	18.45	20.42	22.30	24.10	25.62							
	17	30.64	16.48	18.44	20.39	22.28	24.16	25.83						
	18	30.85	14.57	16.57	18.40	20.38	22.29	24.13	25.92	27.41				
	19	31.36	12.49	14.54	16.69	18.37	20.32	22.27	24.12	25.96	27.62			
	20	32.10	10.40	12.48	14.51	16.49	18.33	20.28	22.21	24.10	25.93	27.69	29.14	
	21	32.90		10.37	12.41	14.45	16.44	18.30	20.21	22.15	24.06	25.88	27.71	
	22	33.74			10.31	12.36	14.38	16.39	18.24	20.13	22.08	23.98	25.88	
45	16	28.89	17.65	19.64	21.48	23.21								
	17	28.92	15.72	17.66	19.59	21.48	23.28	24.74						
	18	28.92	13.83	15.72	17.64	19.57	21.49	23.29	24.98					
	19	29.36	11.79	13.79	15.66	17.62	19.55	21.46	23.30	25.06	26.43			
	20	30.02	9.70	11.74	13.77	15.74	17.58	19.48	21.41	23.28	25.08	26.72		
	21	30.76		9.66	11.71	13.72	15.71	17.54	19.45	21.35	23.28	25.09	26.79	
	22	31.62			9.61	11.64	13.68	15.65	17.49	19.42	21.31	23.20	25.03	
50	16	26.98	16.82	18.78	20.55	22.03								
	17	27.01	14.89	16.81	18.76	20.58	22.26							
	18	27.01	13.04	14.89	16.79	18.72	20.60	22.36						
	19	27.22	11.00	13.00	14.87	16.79	18.69	20.60	22.38	23.98				
	20	27.76	8.94	10.96	12.97	14.85	16.76	18.65	20.54	22.39	24.09			
	21	28.44		8.89	10.94	12.885	14.87	16.78	18.64	20.55	22.315	24.13	25.67	
	22	30.08			8.91	10.92	12.98	14.91	16.74	18.71	20.54	22.42	24.18	

## 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	20.66	19.83	20.57	19.75	20.48	19.66	20.36	19.55	20.28	19.47
-8	22.03	20.93	21.91	20.82	21.80	20.71	21.68	20.60	21.56	20.48
-6	23.43	22.03	23.29	21.89	23.17	21.78	23.11	21.73	22.99	21.62
-4	24.92	22.93	24.75	22.77	24.69	22.72	24.54	22.58	24.40	22.45
-2	26.56	23.64	26.39	23.48	26.21	23.33	26.04	23.17	25.89	23.04
0	28.14	24.76	27.94	24.58	27.82	24.48	27.61	24.30	27.44	24.15
2	29.72	27.04	29.48	26.83	29.25	26.62	29.05	26.43	28.84	26.25
4	31.44	31.44	31.12	31.12	30.95	30.95	30.74	30.74	30.51	30.51
6	33.26	33.26	32.96	32.96	<b>32.70</b>	<b>32.70</b>	32.44	32.44	32.23	32.23
8	35.13	35.13	34.80	34.80	34.51	34.51	34.25	34.25	33.99	33.99
10	37.06	37.06	36.73	36.73	36.41	36.41	36.12	36.12	35.83	35.83
12	39.07	39.07	38.72	38.72	38.37	38.37	38.02	38.02	37.70	37.70
14	41.15	41.15	40.77	40.77	40.39	40.39	40.01	40.01	39.66	39.66
16	43.31	43.31	42.87	42.87	42.46	42.46	42.05	42.05	41.65	41.65
18	45.53	45.53	45.07	45.07	44.60	44.60	44.13	44.13	43.69	43.69

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	<b>1750</b>	1838	1925	2013	2100
TOTAL COOLING	0.964	0.975	0.984	0.994	<b>1.000</b>	1.010	1.017	1.024	1.030
SENSIBLE COOLING	0.892	0.923	0.949	0.978	<b>1.000</b>	1.033	1.059	1.086	1.112
HEATING FACTOR	0.987	0.991	0.995	0.997	<b>1.000</b>	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.



## 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	46	536	50	640	55	780	58	876	62	1002	71	1168
1450	49	587	53	694	57	810	61	939	65	1081	76	1239
1500	52	637	56	747	60	867	64	1005	68	1128	79	1294
1550	55	686	59	801	63	933	67	1068	71	1190	83	1355
1600	58	739	62	862	66	995	70	1125	74	1257	89	1430
1650	61	792	65	925	69	1051	73	1188	78	1330	93	1504
1700	64	855	68	980	73	1143	77	1275	83	1420	97	1579
1750	67	912	72	1067	76	1198	81	1357	87	1494	MOTOR / BLOWER LIMIT	
1800	71	993	75	1122	80	1282	84	1431	93	1583		
1850	74	1047	79	1205	83	1349	88	1513	99	1682		
1900	78	1129	82	1265	87	1450	93	1619				
1950	82	1218	86	1365	91	1542	97	1703				
2000	84	1247	90	1458	95	1634						
2050	89	1373	94	1544								
2100	93	1457	99	1660								

## 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										21	326
400	MOTOR / BLOWER LIMIT										22	338
450	MOTOR / BLOWER LIMIT										24	379
500	MOTOR / BLOWER LIMIT										26	406
550	MOTOR / BLOWER LIMIT										27	420
600	MOTOR / BLOWER LIMIT										29	454
650	MOTOR / BLOWER LIMIT										31	481
700	MOTOR / BLOWER LIMIT										33	517
750	MOTOR / BLOWER LIMIT										35	549
800	MOTOR / BLOWER LIMIT										37	584
850	21	192	25	268	29	357	33	454	36	533	39	619
900	23	216	27	297	31	386	35	482	38	567	42	675
950	25	238	29	323	33	414	37	516	41	628	44	712
1000	27	264	31	349	36	467	39	548	43	659	47	762
1050	29	288	33	374	38	498	41	580	45	690	50	818
1100	31	312	36	424	40	529	44	638	48	742	53	862
1150	34	357	38	454	42	559	46	666	51	798	55	914
1200	36	383	40	482	44	588	49	719	53	841	58	946
1250	38	411	42	511	47	641	51	751	55	874	60	983
1300	41	461	45	562	49	668	54	813	57	903	64	1,049
1350	43	487	48	615	52	725	56	844	59	944	67	1,103

3 Phase  
1 Stage  
33.20 kW

### NOTES:

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

W = Indoor Fan Power, Watts

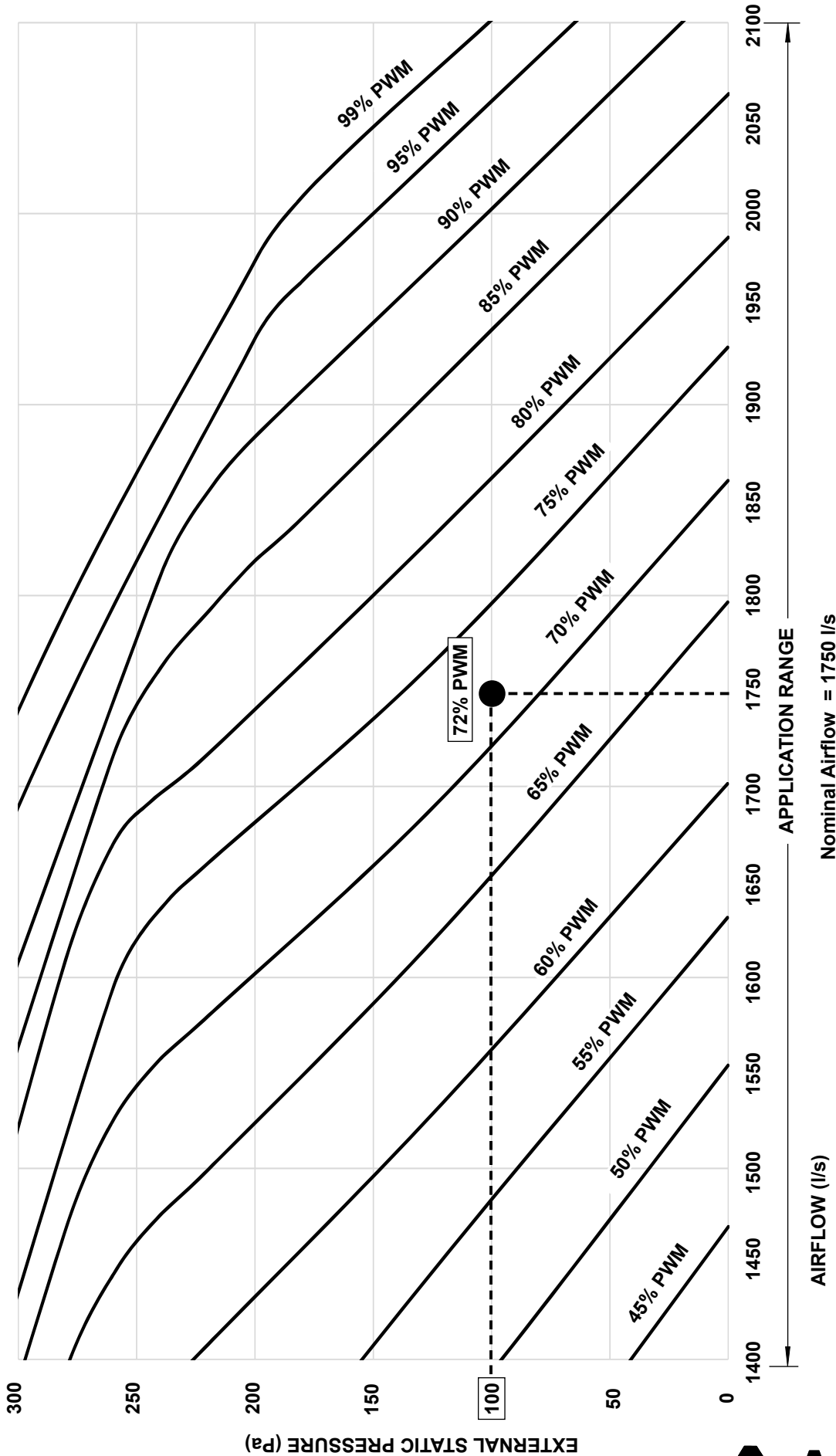
PWM = Pulse Width Modulation Setting, % PWM (Adjustable through LC7-2 Control Interface or Outdoor Board)

Default Fan Speed Value	
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



**33.20 kW**  
3 Phase 1 Stage



**Notes:**

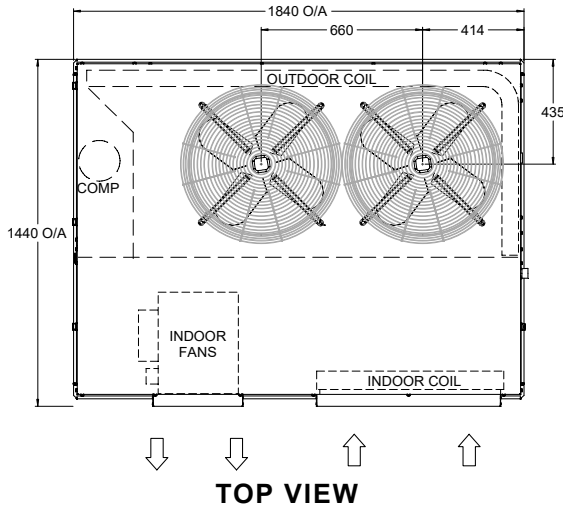
1. Performance Fan Curve shown is at Dry Coil Condition.
2. Airflow should be reduced with respect to the moisture content in the air.
3. All data provided does not include filters. Please review filter manufacturer for application.
4. 2.5 m/s face velocity point will occur at 2100 l/s.



# UNIT DIMENSIONS

# PKV330T-L/R

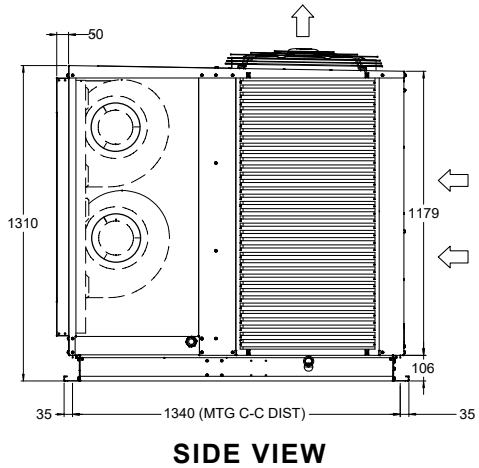
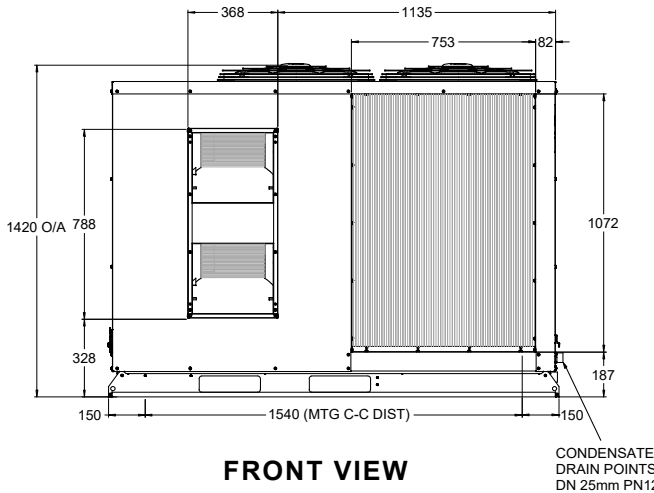
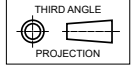
## PACKAGE UNIT - WITH LEFT HAND AIR SUPPLY OPTION



OVERALL NOMINAL DIMENSION (H x W x L)  
 = 1420 x 1840 x 1440  
 SUPPLY DUCT (H x W) = 788 x 368  
 RETURN DUCT (H x W) = 1072 x 753  
 DRAIN CONNECTION = DN 25mm PN12

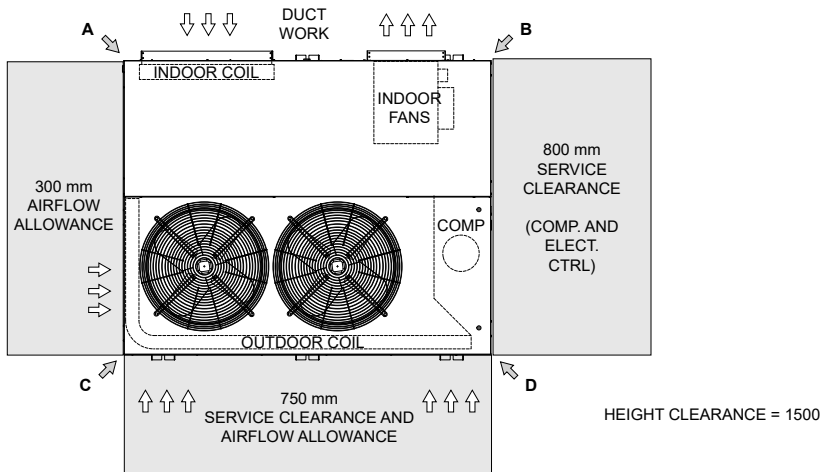
### NOTES:

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.



UNIT MODEL NUMBER	UNIT WEIGHT (kg)	CORNER WEIGHTS (kg)			
		A	B	C	D
PKV330T-L	432	120	73	63	176

## MINIMUM SERVICE ACCESS CLEARANCES & AIRFLOW SPACE ALLOWANCES

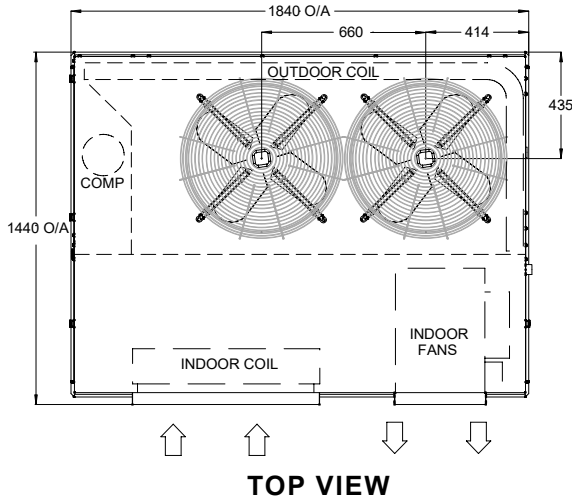


# UNIT DIMENSIONS

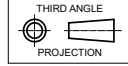
# PKV330T-L/R

## R PACKAGE UNIT - WITH RIGHT HAND AIR SUPPLY OPTION

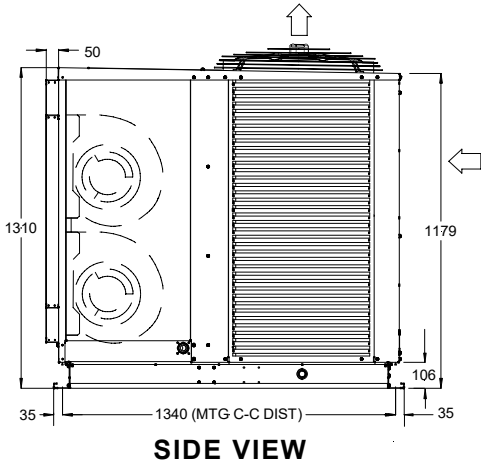
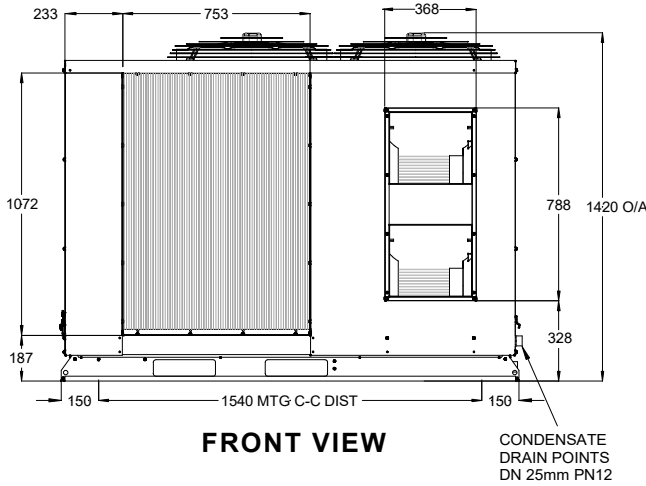
OVERALL NOMINAL DIMENSION (H x W x L)  
 = 1420 x 1840 x 1440  
 SUPPLY DUCT (H x W) = 788 x 368  
 RETURN DUCT (H x W) = 1072 x 753  
 USE M12 BOLT FOR FEET MOUNTING



### NOTES:



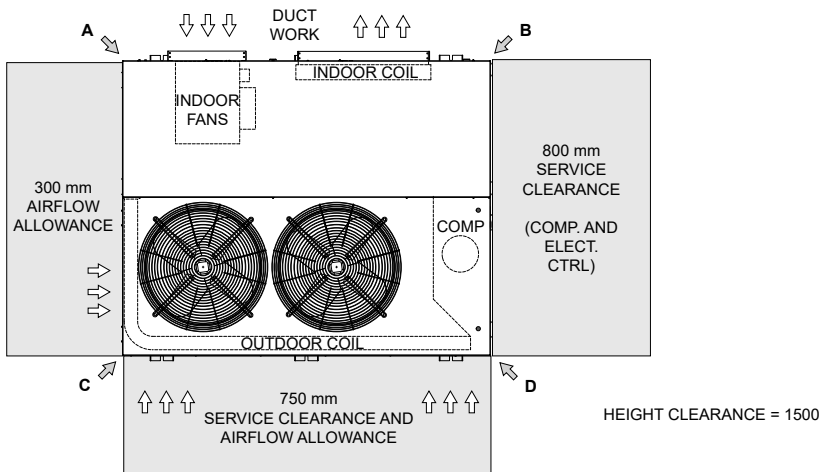
1. Do not scale drawing.
2. All dimensions are in mm unless specified. Refer to corresponding unit dimensional drawing for mounting hole details
3. Suggested Service Clearance and Airflow Allowances are based on conditions that the spaces are free from obstructions and walkway passage of 1m is available 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.



33.20 kW  
 3 Phase  
 1 Stage

UNIT MODEL NUMBER	UNIT WEIGHT (kg)	CORNER WEIGHTS (kg)			
		A	B	C	D
PKV330T-R	432	73	120	63	176

## MINIMUM SERVICE ACCESS CLEARANCES & AIRFLOW SPACE ALLOWANCES



**Outdoor Radiated**

**Sound Power Level (SWL)**

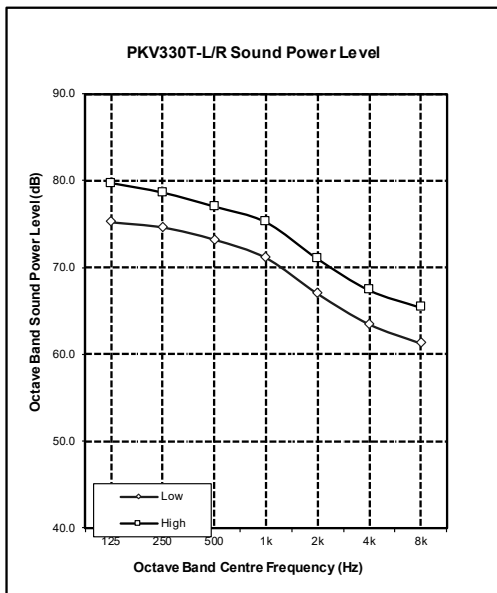
Fan Speed	Sound Power Level dB(A)	Octave Band Centre Frequency (Hz), dB						
		125	250	500	1k	2k	4k	8k
Low	75.8	75.2	74.6	73.2	71.1	67.0	63.5	61.3
High	79.8	79.7	78.6	77.0	75.2	71.0	67.4	65.4

**Indoor Outlet**

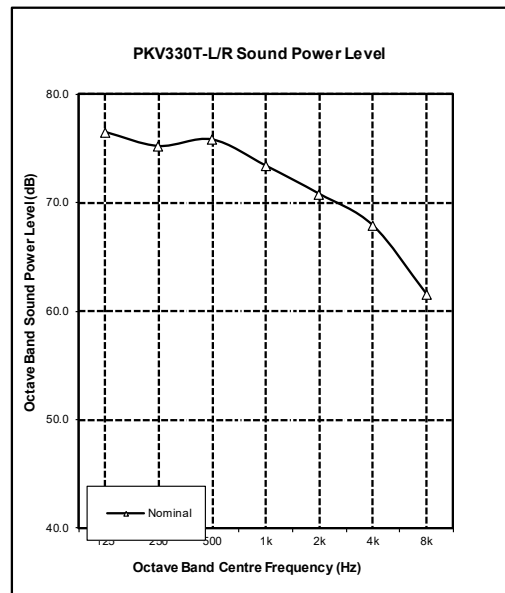
**Sound Power Level (SWL)**

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.

**33.20 kW**  
3 Phase  
1 Stage



# SPECIFICATIONS

# PKV330T-L/R

CONSTRUCTION	
CABINET BASE	1.9 mm Galvanised Steel
CABINET TOP AND SIDES	0.9 - 1.6 mm Galvanised Steel
SURFACE FINISH	65 µ 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 & 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	2 x Centrifugal EC Fan
DIAMETER / WIDTH (mm)	270 x 270
INPUT kW TOTAL	0.80
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)	12,600

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>	

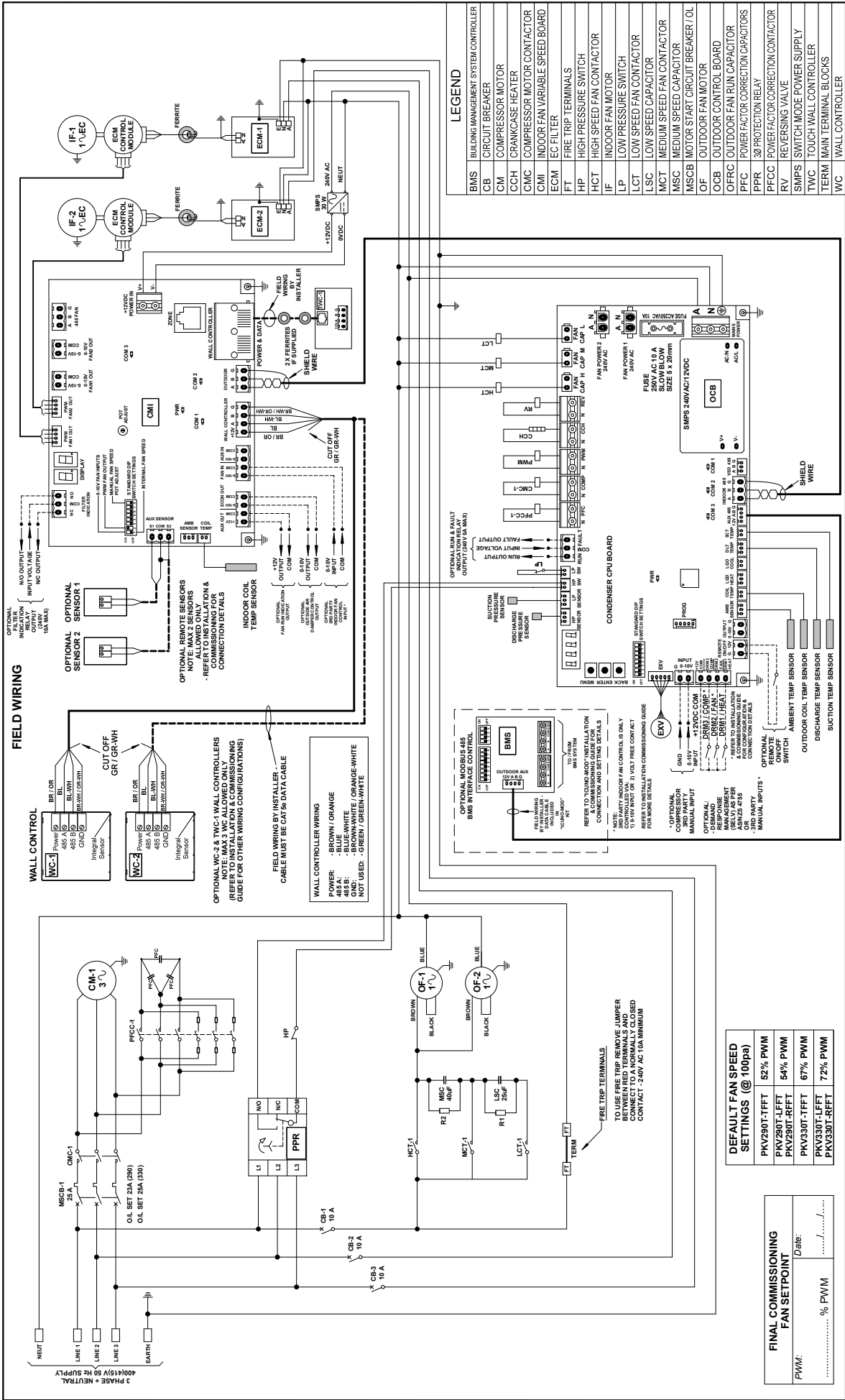
33.20 kW  
3 Phase  
1 Stage





# WIRING DIAGRAM

# PKV330T-L/R



Code	Description
BMS	BUILDING MANAGEMENT SYSTEM CONTROLLER
CB	CIRCUIT BREAKER
CM	COMPRESSOR MOTOR
CCH	CRANKCASE HEATER
CMC	COMPRESSOR MOTOR CONTACTOR
CM1	INDOOR FAN VARIABLE SPEED BOARD
ECM	EC 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
MISCB	MOTOR START CIRCUIT BREAKER / OIL
OF	OUTDOOR FAN MOTOR
OCB	OUTDOOR CONTROL BOARD
OFRC	OUTDOOR FAN RUN CAPACITOR
PFC	POWER FACTOR CORRECTION CAPACITORS
PPR	3/2 PROTECTION RELAY
PFCC	POWER FACTOR CORRECTION CONTACTOR
RV	REVERSING VALVE
SMPS	SWITCH MODE POWER SUPPLY
TWC	TOUCH WALL CONTROLLER
TERM	MAIN TERMINAL BLOCKS
WC	WALL CONTROLLER

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

Rev.	E	Added Ferrite to TWC-1	3571	PCR	By	RL	Date	16-09-2022
D		Original						

ActronAir logo with stylized wave graphic.

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

FINAL COMMISSIONING FAN SETPOINT

PWM: ..... % PWM

Date: .....

33.20 kW  
1 Stage  
3 Phase