











Variable Capacity Commercial (R-32 Series) Inverter Package Ducted Units



 THREE PHASE	 SINGLE STAGE
 INVERTER	 ECM FAN
 SOFT START	 LOUVRE
 ECM AXIAL FAN	 R-32 REFRIGERANT



Model Numbers

PRV15AT-TFFT-EV*
PRV17AT-TFFT-EV*
PRV15AT-TVFT-EV
PRV17AT-TVFT-EV

Under/Over Unit
* Front discharge Air Handling Option shown for illustration purposes only.

Technical Selection Data

UNIT FEATURES

- Tru-Inverter™ Variable Speed Compressor and Drive Technology
- 40-100% Superior Refrigeration Operating Capacity Range
- EC High Efficiency Indoor and Outdoor Fan Motor
- Pre-charged with Low GWP R-32 Refrigerant
- ECM Variable Speed Outdoor Fans
- Adaptive Demand Defrost
- Active Power Factor Correction
- 25mm Foil Faced Polyethylene Insulation
- Low ambient cooling operation to +5 degree
- Fault and Run Indication - Relay Output
- Up to 3 Wall Controllers and 2 Remote Temperature Sensors
- Compressor Soft Start via Variable Speed Drive Control
- Hydrophilic Blue Fin Coil Coat Protection - Indoor and Outdoor Coils
- Bi-Flow Electronic Expansion Valve
- Powder Coated Outdoor Unit with Louvred Coil Guard
- Adjustable Indoor Airflow plus Reduce Fan Airflow Feature
- Turbo Mode

UNIT OPTIONS

- Additional Full Coil Coat Protection
- Vertical Discharge Evaporator

UNIT COMPLIANCE

- AS/NZS 3823.2 (MEPS)
- AS/NZS 4755.3.1:2012 (DRM 1, 2 and 3)
- AS/NZS CISPR 14.1 (EMC)
- AS/NZS 60335.2.40 in conjunction with AS/NZS 60335.1 (Electrical Safety - Air Conditioner)

CONTROL OPTIONS AND FEATURES

ActronAir LR7-1/LC7-2

- Available in White or Grey
- 7-day Programmable Controller with 2 Events per Day
- 24-hour ON/OFF Timer
- Temperature Setback
- After Hours Time (LC7-2 Only)
- Auto, Heat, Cool, Turbo, Fan Modes and Night Mode Functions
- Fixed, Auto and 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-MOD (Modbus 485)

Third Party Control

- Optional Manual
- Optional Analogue Inputs

SPECIFICATION SUMMARY

UNIT MODEL		PRV15AT-T		PRV17AT-T	
		(1) TOTAL	(2) NETT	(1) TOTAL	(2) NETT
(3) COOLING CAPACITY (kW)	RATED	14.95	14.65	17.35	17.00
	TRUMAX (9)	-	16.50	-	18.50
	MINIMUM	-	5.86	-	6.80
(4) HEATING CAPACITY (kW)	RATED	15.70	16.00	18.05	18.40
	TRUMAX (9)	-	17.60	-	18.60
	MINIMUM	-	6.40	-	7.36
(3) SENSIBLE CAPACITY (kW)	RATED	12.31	12.01	14.29	13.94
(5) COOLING INPUT POWER (kW)	RATED	4.37		5.09	
(5) HEATING INPUT POWER (kW)	RATED	4.56		5.25	
EER	RATED	3.42	3.35	3.41	3.34
COP	RATED	3.44	3.51	3.44	3.50
Total Cooling Seasonal Performance Factor Commercial - Hot / Average / Cold		4.55 / 4.43 / 4.63		4.53 / 4.45 / 4.66	
Heating Seasonal Performance Factor Commercial - Hot / Average / Cold		4.42 / 3.25 / 2.84		4.19 / 3.23 / 2.85	
(6) INDOOR AIRFLOW (l/s) MIN. / NOMINAL / MAX.		620 / 770 / 920		710 / 890 / 1060	
(7) OUTDOOR SOUND PRESS. LEVEL @ 3M dB(A) - QUIET OPERATION MODE / NORMAL		46.6 / 53.4		47.6 / 53.8	
OUTDOOR SOUND POWER LEVEL dB(A) - QUIET OPERATION MODE / NORMAL		63.6 / 70.4		64.6 / 70.8	
POWER SUPPLY		400V / 3Ph+N / 50Hz			
VOLTAGE RANGE (MIN - MAX)		380V - 440V			
IP RATING		IP44			
(2) RATED LOAD AMPS		8.5		9.7	
(8) FULL LOAD AMPS - (L1 / L2 / L3)		16.0 / 9.7 / 9.7		17.8 / 11.6 / 11.6	
(10) CIRCUIT BREAKER		20.0		20.0	
POWER FACTOR		0.93		0.93	
CABLE SIZE (MAIN LINE) SUGGESTED MINIMUM*		2.5 mm ²		2.5 mm ²	
DATA CABLE FIELD WIRING (OUTDOOR TO INDOOR)		Cat5E UTP (AWG24) Data Cable			
WEIGHT (kg)		233		242	

(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) Total input power excludes indoor fan kW.

Nett input power includes indoor fan kW.

(6) Max. - Min. airflow application range.

(7) Outdoor sound pressure level is determined in an anechoic chamber and may differ once the unit is installed due to environment conditions.

(8) Full Load Amps are based on compressor and fan motors' maximum expected current.

(9) **TRUMAX** - Maximum Capacity.

(10) See Specifications sheet for cable size and circuit breaker size details.

Notes: Use nett input power to estimate running cost.

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

*Cable size recommendation selected in accordance to maximum conductor temperature of 75°C with wiring enclosed in air.

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.

CAPACITY SELECTION DATA

PRV15AT-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	22	24	26	27	28	30
25	16	15.65	9.38	11.18	12.94				
	17	15.80	8.48	10.27	12.06	13.71			
	18	15.97	7.53	9.34	11.16	12.94	13.76	14.50	
	19	16.38	6.56	8.45	10.23	12.03	12.92	13.75	15.22
	20	16.75	5.56	7.48	9.29	11.10	12.00	12.89	14.56
	21	17.24		6.49	8.38	10.18	11.07	11.96	13.73
	22	17.68		5.52	7.42	9.29	10.13	11.03	12.83
35	16	14.51	8.82	10.62	12.26				
	17	14.56	7.94	9.71	11.48	13.02			
	18	14.69	7.00	8.79	10.59	12.33	13.12		
	19	14.95	6.03	7.92	9.68	11.47	12.31	13.15	
	20	15.35	5.06	6.96	8.75	10.55	11.44	12.30	13.93
	21	15.74		5.99	7.86	9.62	10.53	11.40	13.14
	22	16.13		5.01	6.90	8.70	9.59	10.49	12.27
45	16	13.00	8.11	9.88					
	17	13.01	7.22	9.01	10.72				
	18	13.11	6.34	8.10	9.89	11.51			
	19	13.21	5.40	7.19	8.99	10.73	11.54	12.18	
	20	13.51	4.43	6.31	8.08	9.85	10.72	11.55	
	21	13.85		5.35	7.21	8.94	9.82	10.72	12.34
	22	14.24		4.38	6.27	8.04	8.93	9.80	11.53
50	16	12.14	7.72	9.45					
	17	12.15	6.83	8.62	10.24				
	18	12.21	5.97	7.71	9.48				
	19	12.25	5.03	6.82	8.59	10.30	11.04		
	20	12.49	4.07	5.94	7.70	9.45	10.31	11.10	
	21	12.80		5.00	6.83	8.55	9.44	10.31	11.83
	22	13.13		4.02	5.90	7.66	8.54	9.42	11.11

HEATING PERFORMANCE										
WB TEMP ON OUTDOOR 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	10.54	9.91	10.49	9.86	10.43	9.81	10.39	9.76	10.34	9.72
-6	11.72	10.78	11.65	10.72	11.58	10.65	11.51	10.59	11.44	10.52
-2	13.03	11.34	12.95	11.26	12.86	11.19	12.77	11.11	12.68	11.03
2	14.45	12.86	14.35	12.77	14.23	12.67	14.12	12.57	14.01	12.47
6	15.96	15.96	15.83	15.83	15.70	15.70	15.61	15.61	15.46	15.46
10	17.72	17.72	17.57	17.57	17.40	17.40	17.24	17.24	17.07	17.07
14	19.60	19.60	19.41	19.41	19.21	19.21	19.01	19.01	18.82	18.82
18	21.61	21.61	21.38	21.38	21.16	21.16	20.93	20.93	20.69	20.69

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

AIRFLOW CORRECTION MULTIPLIER									
% VARIATION	-19%	-15%	-10%	-5%	Nominal	5%	10%	15%	19.48%
INDOOR AIRFLOW (l/s)	620	654.5	693	731.5	770	808.5	847	885.5	920
TOTAL COOLING	0.967	0.982	0.989	0.997	1.000	1.004	1.009	1.015	1.020
SENSIBLE COOLING	0.887	0.916	0.945	0.974	1.000	1.024	1.046	1.072	1.092
HEATING FACTOR	0.970	0.976	0.983	0.991	1.000	1.011	1.022	1.033	1.044

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.



CAPACITY SELECTION DATA

PRV17AT-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	22	24	26	27	28	30	
25	16	18.16	10.88	12.98	15.01					
	17	18.33	9.85	11.92	14.00	15.92				
	18	18.54	8.74	10.84	12.95	15.02	15.97	16.82		
	19	19.00	7.62	9.81	11.87	13.96	14.99	15.96	17.66	
	20	19.44	6.46	8.68	10.78	12.88	13.93	14.96	16.89	
	21	20.00		7.53	9.73	11.81	12.84	13.88	15.93	
	22	20.52		6.41	8.61	10.78	11.76	12.80	14.89	
35	16	16.83	10.23	12.32	14.23					
	17	16.90	9.21	11.27	13.32	15.11				
	18	17.05	8.13	10.20	12.29	14.30	15.23			
	19	17.35	7.00	9.19	11.24	13.31	14.29	15.26		
	20	17.82	5.87	8.08	10.16	12.25	13.27	14.28	16.16	
	21	18.27		6.95	9.12	11.17	12.22	13.23	15.25	
	22	18.72		5.82	8.00	10.09	11.13	12.17	14.24	
45	16	15.09	9.41	11.47						
	17	15.10	8.38	10.45	12.44					
	18	15.21	7.36	9.40	11.48	13.35				
	19	15.34	6.26	8.34	10.44	12.45	13.40	14.13		
	20	15.68	5.14	7.33	9.38	11.43	12.44	13.41		
	21	16.07		6.22	8.37	10.38	11.40	12.44	14.33	
	22	16.52		5.09	7.28	9.33	10.36	11.38	13.38	
50	16	14.09	8.96	10.97						
	17	14.10	7.93	10.01	11.89					
	18	14.17	6.93	8.95	11.00					
	19	14.21	5.84	7.92	9.97	11.96	12.82			
	20	14.49	4.73	6.89	8.93	10.96	11.96	12.88		
	21	14.85		5.80	7.93	9.92	10.96	11.97	13.73	
	22	15.24		4.67	6.85	8.89	9.91	10.93	12.90	

HEATING PERFORMANCE

WB TEMP ON OUTDOOR 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	12.11	11.63	12.06	11.57	11.99	11.51	11.94	11.46	11.88	11.41
-6	13.47	12.66	13.39	12.59	13.31	12.51	13.23	12.44	13.15	12.36
-2	14.98	13.34	14.88	13.25	14.78	13.16	14.68	13.06	14.58	12.97
2	16.61	15.12	16.49	15.01	16.36	14.89	16.23	14.77	16.10	14.66
6	18.35	18.35	18.20	18.20	18.05	18.05	17.94	17.94	17.78	17.78
10	20.38	20.38	20.20	20.20	20.01	20.01	19.82	19.82	19.63	19.63
14	22.54	22.54	22.31	22.31	22.08	22.08	21.86	21.86	21.63	21.63
18	24.84	24.84	24.58	24.58	24.32	24.32	24.07	24.07	23.79	23.79

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%	19.1%
INDOOR AIRFLOW (l/s)	710	756.5	801	845.5	890	934.5	979	1023.5	1060
TOTAL COOLING	0.964	0.982	0.989	0.997	1.000	1.004	1.009	1.015	1.020
SENSIBLE COOLING	0.883	0.916	0.945	0.974	1.000	1.024	1.046	1.072	1.092
HEATING FACTOR	0.969	0.976	0.983	0.991	1.000	1.011	1.022	1.033	1.044

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.

INDOOR FAN DATA

PRV15AT-T

PRV15AT

FAN DATA*

AIRFLOW (l/s)	EXTERNAL STATIC PRESSURE (Pa)									
	50		100		150		200		250	
	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W
620	41	164	48	224	55	288	62	376	67	458
650	45	180	52	244	58	310	63	386	71	480
675	48	196	55	261	61	336	65	411	75	501
700	51	211	58	280	63	357	67	419	96	545
725	55	238	61	306	64	360	69	434	MOTOR / BLOWER LIMIT	
750	58	255	62	309	67	390	72	456		
770	60	261	64	324	69	396	75	479		
775	60	263	64	327	69	397	76	485		
800	62	282	67	352	73	432	80	510		
825	64	297	70	371	76	452	87	539		
850	67	321	74	407	80	480	MOTOR / BLOWER LIMIT			
875	71	352	78	437	84	511				
900	75	382	81	456	90	547				
920	77	397	84	486						

REDUCED AIRFLOW** (COMPRESSOR OFF)

AIRFLOW (l/s)	EXTERNAL STATIC PRESSURE (Pa)									
	50		100		150		200		250	
	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W
260	14	46	19	84	24	118	28	152	33	195
275	15	48	20	86	25	124	29	159	34	202
300	17	60	22	97	27	136	31	171	35	209
325	18	64	23	99	28	138	33	183	38	229
350	19	68	25	108	30	148	35	193	40	237
375	20	70	27	117	32	159	37	207	41	252
400	23	84	29	126	35	177	39	220	45	277
425	24	86	31	136	37	189	42	240	49	303
450	26	95	34	151	39	200	45	256	52	318
475	28	104	36	161	42	216	48	279	52	328
500	30	111	37	164	45	231	51	296	56	351
525	32	119	39	176	47	244	53	307	58	367
600	39	152	46	210	54	287	61	369	65	437

NOTES

* Above Fan Data table is only applicable only to Third Party Controller

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

W = Indoor Fan Power, Watts

PWM = Pulse Width Modulation Setting, 73% PWM (Adjustable through the LR7-1, LC7-2, NEO or Outdoor Board).

Default Fan Speed Value at 100 Pa	
Speed	Default PWM (adjustable)
High PWM (%)	84
Medium PWM (%)	64
Low PWM (%)	48

Indoor Fan PWM Limits	
High PWM Limit (%)	99
Low PWM Limit (%)	41

INDOOR FAN DATA

PRV17AT-T

PRV17AT

FAN DATA*

AIRFLOW (l/s)	EXTERNAL STATIC PRESSURE (Pa)									
	50		100		150		200		250	
	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W
710	46	185	52	247	58	317	64	397	70	468
725	48	196	54	259	60	330	66	411	72	485
750	50	202	57	279	63	355	69	433	76	502
775	53	220	60	299	66	378	72	453	90	534
800	56	237	62	308	69	401	75	477	MOTOR / BLOWER LIMIT	
825	59	255	65	328	72	422	80	503		
850	62	273	68	349	75	444	87	534		
875	65	293	72	382	79	471	99	555		
890	67	303	73	395	81	485				
900	68	310	75	403	83	495				
925	71	328	78	419	88	523				
950	75	360	82	446	95	552				
975	78	377	87	480						
1000	82	404	92	509						
1025	87	438								
1050	92	467								
1060	95	487								

REDUCED AIRFLOW** (COMPRESSOR OFF)

AIRFLOW (l/s)	EXTERNAL STATIC PRESSURE (Pa)									
	50		100		150		200		250	
	% PWM	W	% PWM	W	% PWM	W	% PWM	W	% PWM	W
300	15	47	19	80	24	120	28	156	33	202
325	16	52	21	91	26	131	30	167	35	212
350	17	56	22	94	27	134	32	178	37	222
375	19	67	24	104	29	145	34	193	38	232
400	20	70	26	114	31	156	36	205	40	248
425	22	79	27	116	33	168	37	207	42	260
450	23	80	29	126	35	178	39	219	44	271
475	25	88	31	135	37	190	41	231	46	288
500	27	97	33	145	39	201	44	255	49	310
525	29	105	35	155	41	212	46	266	51	327
550	31	114	37	165	43	223	48	279	53	338
575	33	122	39	174	45	233	50	290	55	355
600	35	129	42	193	47	245	53	315	58	378
625	38	147	44	203	50	265	55	326	60	386
650	40	154	46	212	52	276	58	351	63	417
675	42	162	49	231	55	298	60	363	65	431
700	45	178	51	239	57	309	63	388	68	457
725	48	196	54	259	60	330	66	411	72	485

NOTES

* Above Fan Data table is only applicable only to Third Party Controller

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

W = Indoor Fan Power, Watts

PWM = Pulse Width Modulation Setting, 73% PWM (Adjustable through the LR7-1, LC7-2, NEO or Outdoor Board).

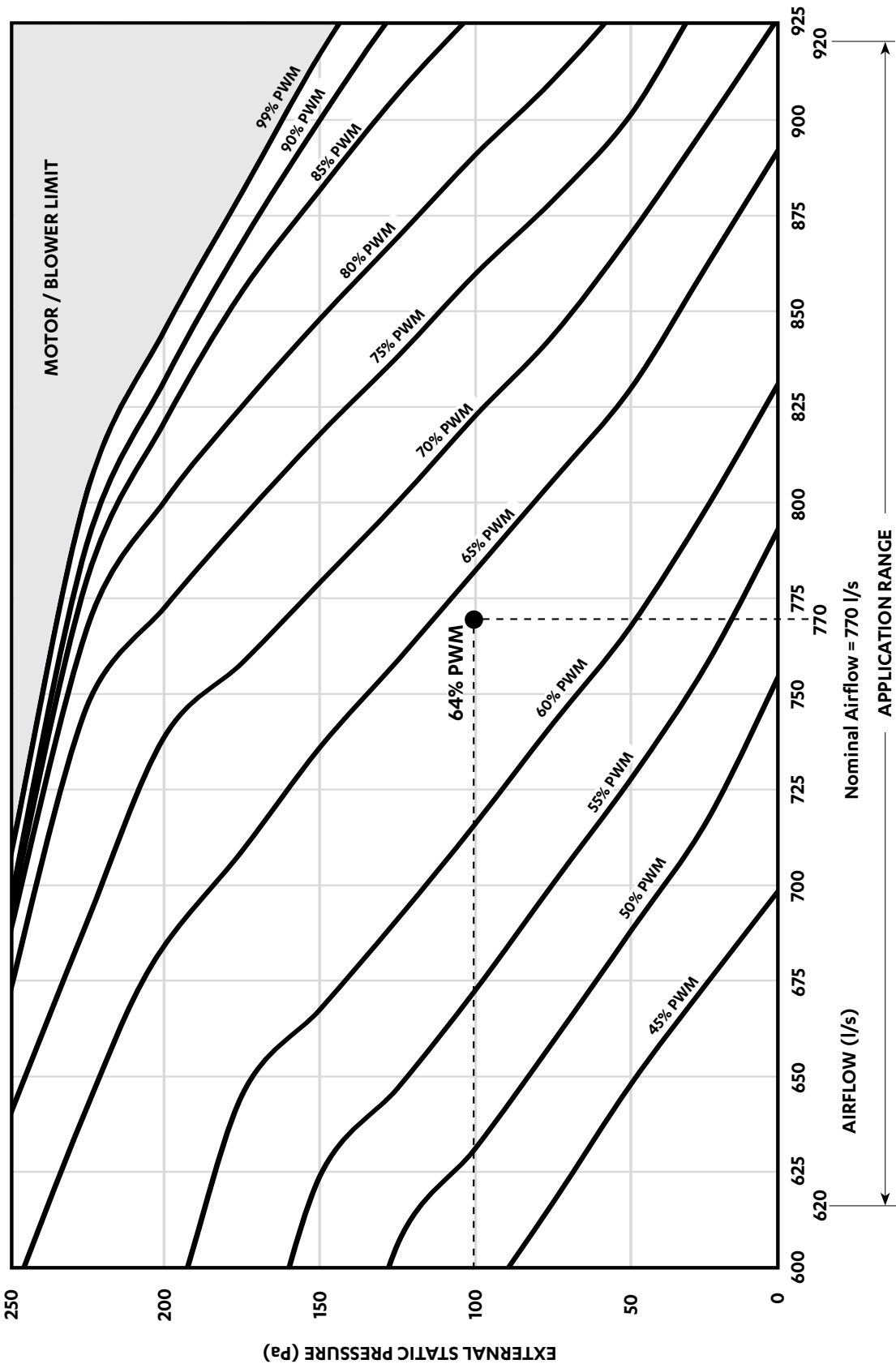
Default Fan Speed Value at 100 Pa	
Speed	Default PWM (adjustable)
High PWM (%)	92
Medium PWM (%)	73
Low PWM (%)	52

Indoor Fan PWM Limits	
High PWM Limit (%)	99
Low PWM Limit (%)	46

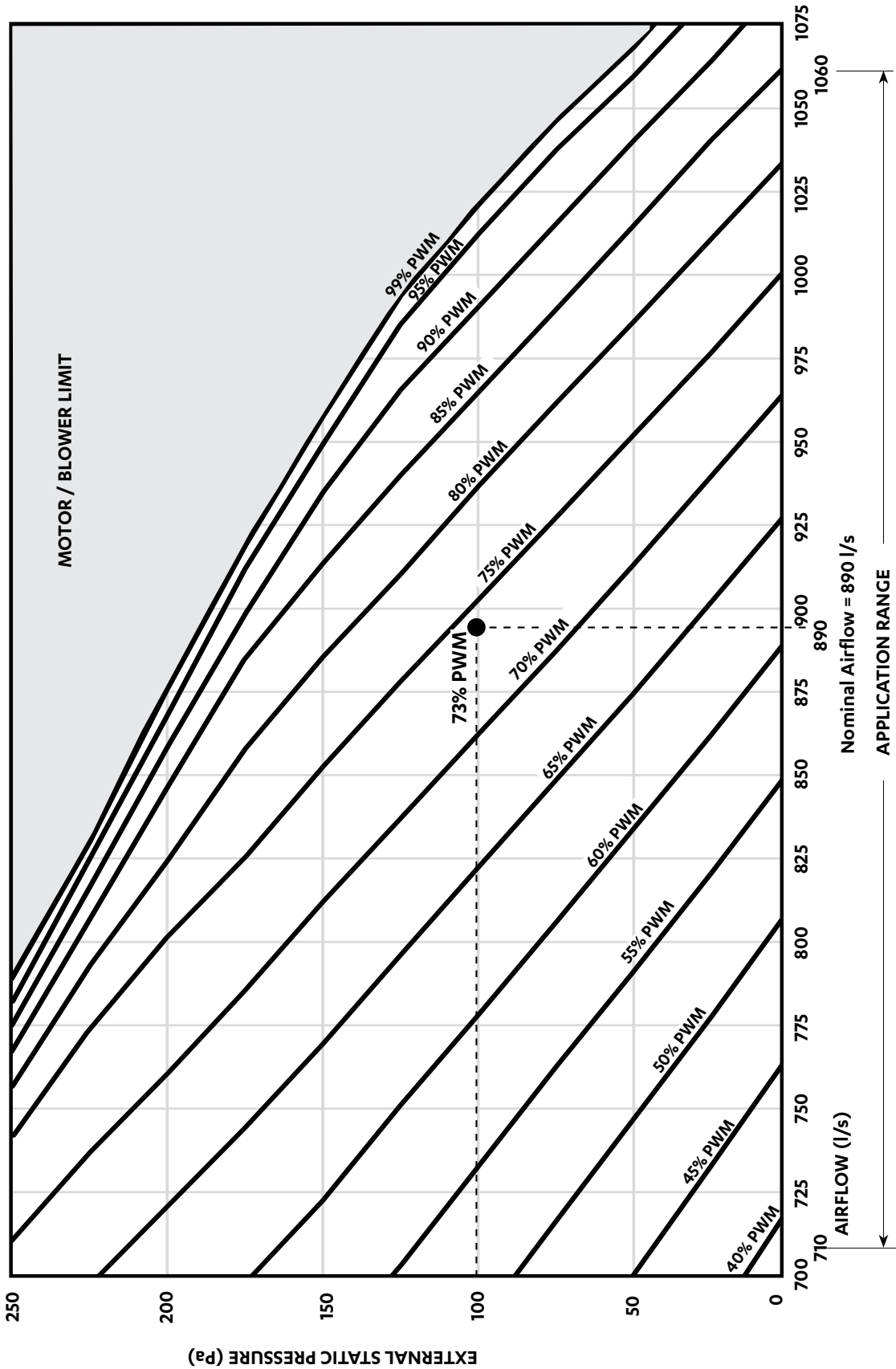
INDOOR FAN CURVE

PRV15AT-T

PRV15AT

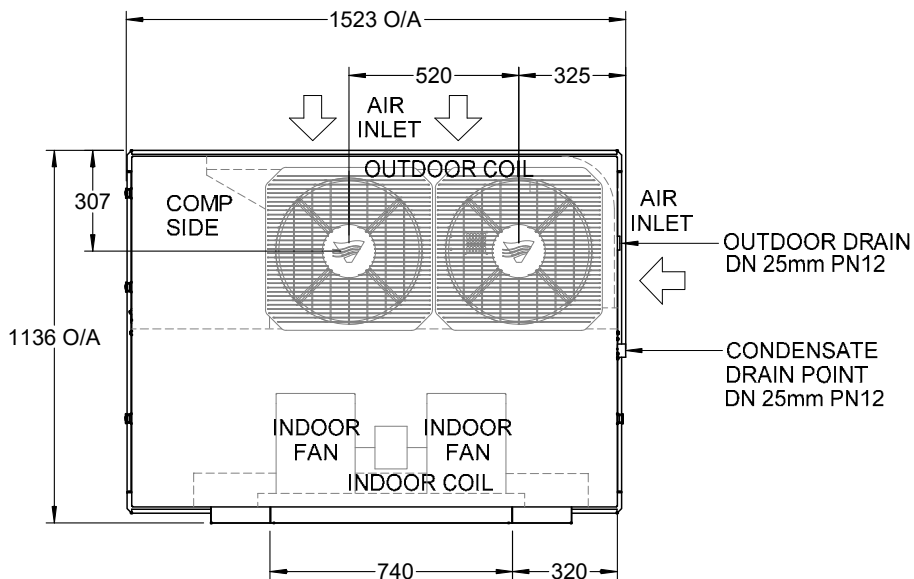


PRV17AT



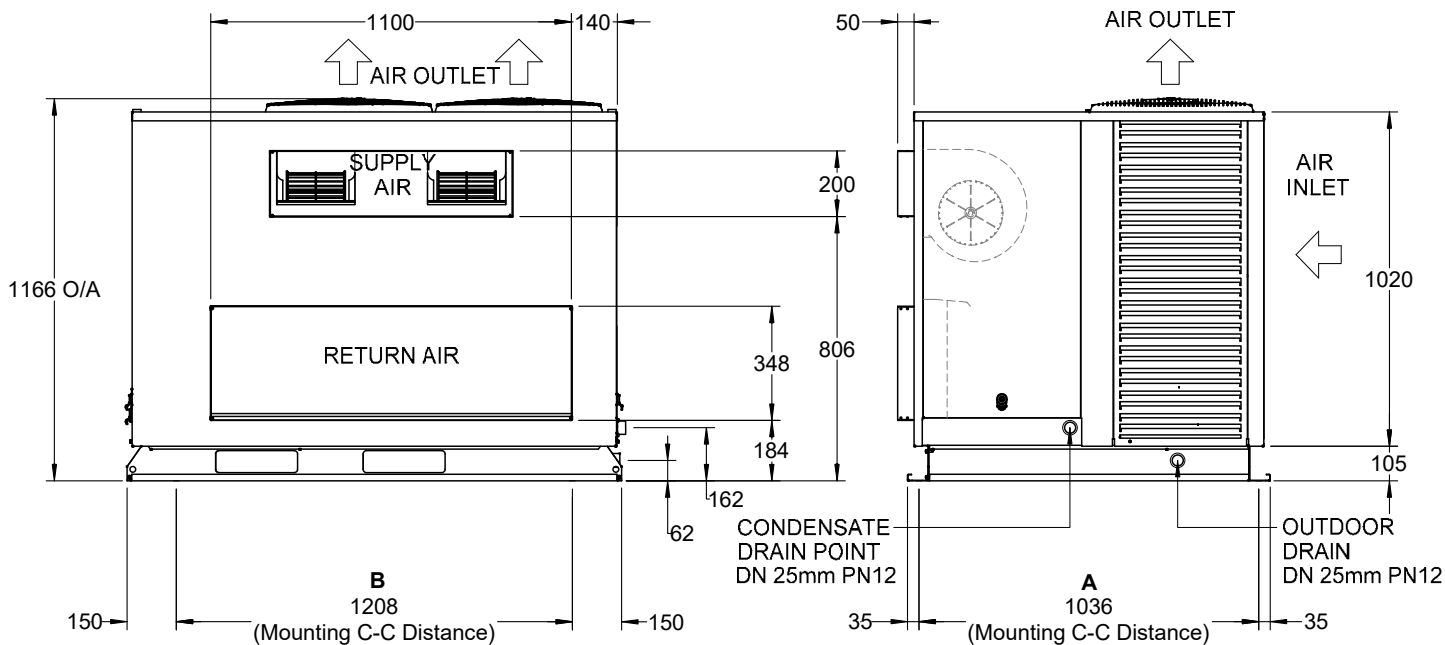
UNIT DIMENSIONS

PRV15AT-TFFT-EV / PRV17AT-TFFT-EV



CONDENSATION POINTS ARE DESIGNED TO ENSURE ALL CONDENSATION IS REMOVED EFFICIENTLY TO AVOID WATER POOLING WITHIN THE CONDENSER. IF A SINGLE CONDENSATION DRAIN POINT IS REQUIRED, ACTRONAIR RECOMMENDS THE INSTALLATION OF A CONDENSER TRAY.

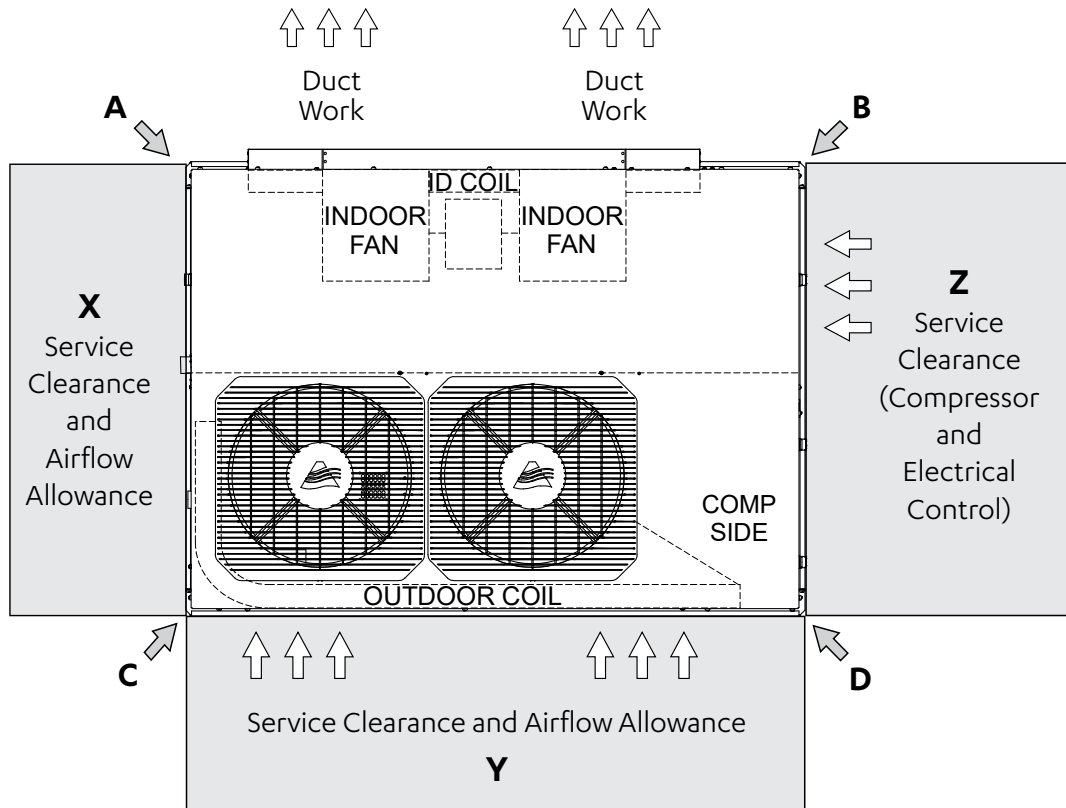
DRAWING IS SUBJECT TO CHANGE WITHOUT NOTICE



Unit Model Number	Overall Nominal Dimension (OA)			Supply Duct	Return Duct	Mounting Distance Base Foot (Centre to Centre)	
	H	W	D			A	B
	PRV15AT-T	1166	1523			1136	200 x 740
PRV17AT-T							

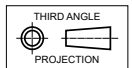


SERVICE CLEARANCES, AIRFLOW ALLOWANCES AND WEIGHTS



Unit Model Number	Total Weight (Kg)	Corner Weights (Kg)				Service Clearance and Airflow Allowance			Height Clearance
		A	B	C	D	X	Y	Z	
PRV15AT-T	233	46	63	57	67	300	400	600	1500
PRV17AT-T	242	49	66	59	68				

NOTES:



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 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 obstruction.
5. MTG C-C DIST = Mounting Centre to Centre Distance.
6. Use M12 bolt for feet mounting.
7. Installation of this unit should be in accordance with Electrical Safety Standard, AS/NZS 60335.2.40.
8. Additional safety provision maybe needed such as leak detector sensor and/or ventilation to meet the minimum area requirement. For more details refer to Annex GG and Annex HH of the above standard.
9. Refer to R-32 Safety Manual for minimum required area of installation.

SOUND DATA

Outdoor Radiated

Sound Power Level (SWL)

Model Number	Fan Speed	Sound Pressure Level dB(A)	Sound Power Level dB(A)	Octave Band Centre Frequency (Hz), dB						
				125	250	500	1k	2k	4k	8k
PRV15AT-T	Rated	53.4	70.4	78.8	71.2	66.5	64.4	60.7	57.5	47.5
	Quiet	46.6	63.6	70.8	62.7	59.8	58.6	55.0	48.2	40.3
PRV17AT-T	Rated	53.8	70.8	79.7	70.6	68.1	64.4	60.9	56.9	48.3
	Quiet	47.6	64.6	71.4	66.1	61.1	59.0	55.0	47.7	38.0

Indoor Outlet

Sound Power Level (SWL)

Model Number	Airflow Setting	Airflow l/s	Sound Power Level dB(A)	Octave Band Centre Frequency (Hz), dB						
				125	250	500	1k	2k	4k	8k
PRV15AT-T	Nominal	770	72.4	71.9	68.9	71.7	66.4	63.6	60.1	52.6
PRV17AT-T	Nominal	890	74.8	75.2	74.0	71.9	69.3	66.9	63.9	56.7

NOTE:

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

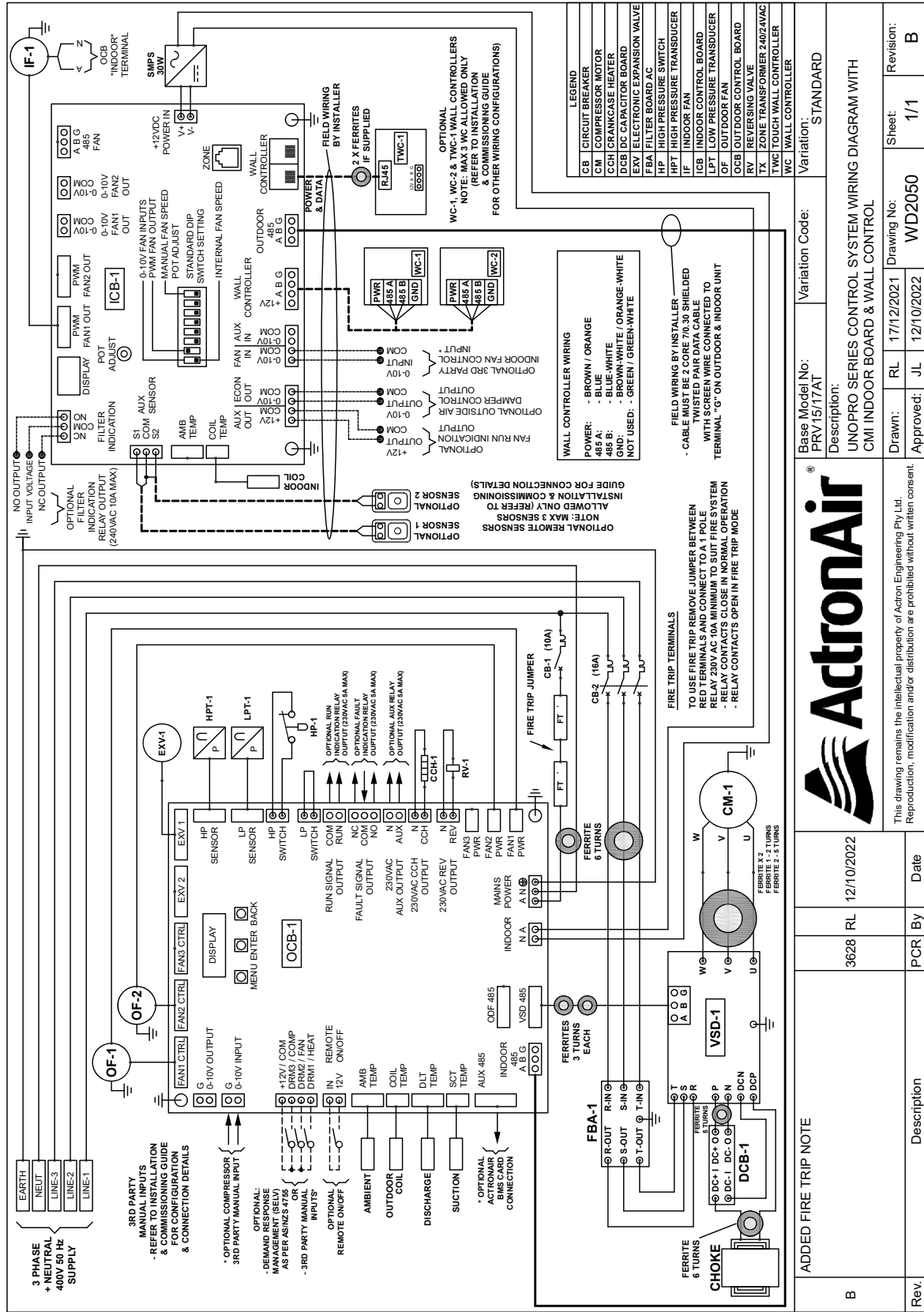
SPECIFICATIONS

MODEL NUMBERS	PRV15AT-T	PRV17AT-T
INSULATION (INDOOR UNIT)		
TYPE	25mm Foil Faced Polyethylene	
OUTDOOR COIL		
TUBE TYPE	Copper - Rifle Bore	
FIN TYPE	Aluminium Slit Fin	
FACE AREA (m ²)	1.2	1.6
COIL COATING	Hydrophilic Blue Fin Coil Coat Protection	
OUTDOOR FAN		
NUMBER OF FANS x TYPE	2 x Axial / External Rotor / ECM Direct Drive	
OUTPUT kW (each)	0.250	
FAN SPEED CONTROL	Variable Speed Control	
The factory installed outdoor fans fitted to this unit will accept up to 70 Pa of external static resistance.		
INDOOR COIL		
TUBE TYPE	Copper - Rifle Bore	
FIN TYPE	Aluminium Slit Fin	
FACE AREA (m ²)	0.47	0.48
COIL COATING	Hydrophilic Blue Fin Coil Coat Protection	
INDOOR FAN		
NUMBER OF FANS x TYPE	1 x Twin Deck Centrifugal / ECM Direct Drive	
DIAMETER / WIDTH (mm)	240 x 180	
MOTOR TYPE / DRIVE TYPE	Variable Speed EC Motor / Direct	
COMPRESSOR		
TYPE x NUMBER PER UNIT	Inverter Variable Speed Scroll x 1	
STARTING METHOD	Inbuilt Soft Starting	
REFRIGERATION SYSTEM		
REFRIGERANT TYPE	R-32	
EXPANSION CONTROL	Direct Expansion Orifice /EEV	
FACTORY CHARGE (grams)	3100	3900
FILTER DRIER		
CONNECTION SIZE AND TYPE	9.52 mm (3/8") ODF Soldered Bi-Flow	
FACTORY SUPPLIED / FITTED	No	
PROTECTION DEVICES		
HIGH PRESSURE CUTOUT 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 During Compressor Off Cycle	30 W	

SPECIFICATIONS

MODEL NUMBERS	PRV15AT-T	PRV17AT-T
ELECTRIC CONTROLS		
DEFROST METHOD	Reverse Cycle	
DEFROST TYPE	Adaptive Demand Defrost	
CONTROL FIELD WIRING	2 Core 14 / 0.20 Screened Cable	
MASTER/SECONDARY CONTROLLER CABLE SPECS.	Cat5e with RJ45 Connectors and cable boots	
SENSOR CABLE/WIRING SPECS.	Cat5e UTP (AWG 24) 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.		
INDOOR AIR INTAKE TEMPERATURE		
COOLING MODE	MAX.	30°C DB / 22°C WB
	MIN.	20°C DB / 16°C WB
HEATING MODE	MAX.	24°C DB
	MIN.	16°C DB
OUTDOOR AIR INTAKE TEMPERATURE		
COOLING MODE	MAX.	52°C DB
	MIN.	5°C DB
HEATING MODE	MAX.	19.5°C DB / 18°C WB
	MIN.	-10°C DB
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.		

WIRING DIAGRAM - PRV15AT-T / 17AT-T



	Variation Code: STANDARD	Base Model No: PRV15/17AT	Variation: STANDARD
Description: UNOPRO SERIES CONTROL SYSTEM WIRING DIAGRAM WITH CMI INDOOR BOARD & WALL CONTROL			
Drawn: RL	Approved: JL	Drawing No: WD2050	Revision: B
17/12/2021	12/10/2022	1/1	Sheet: 1/1

ActronAir

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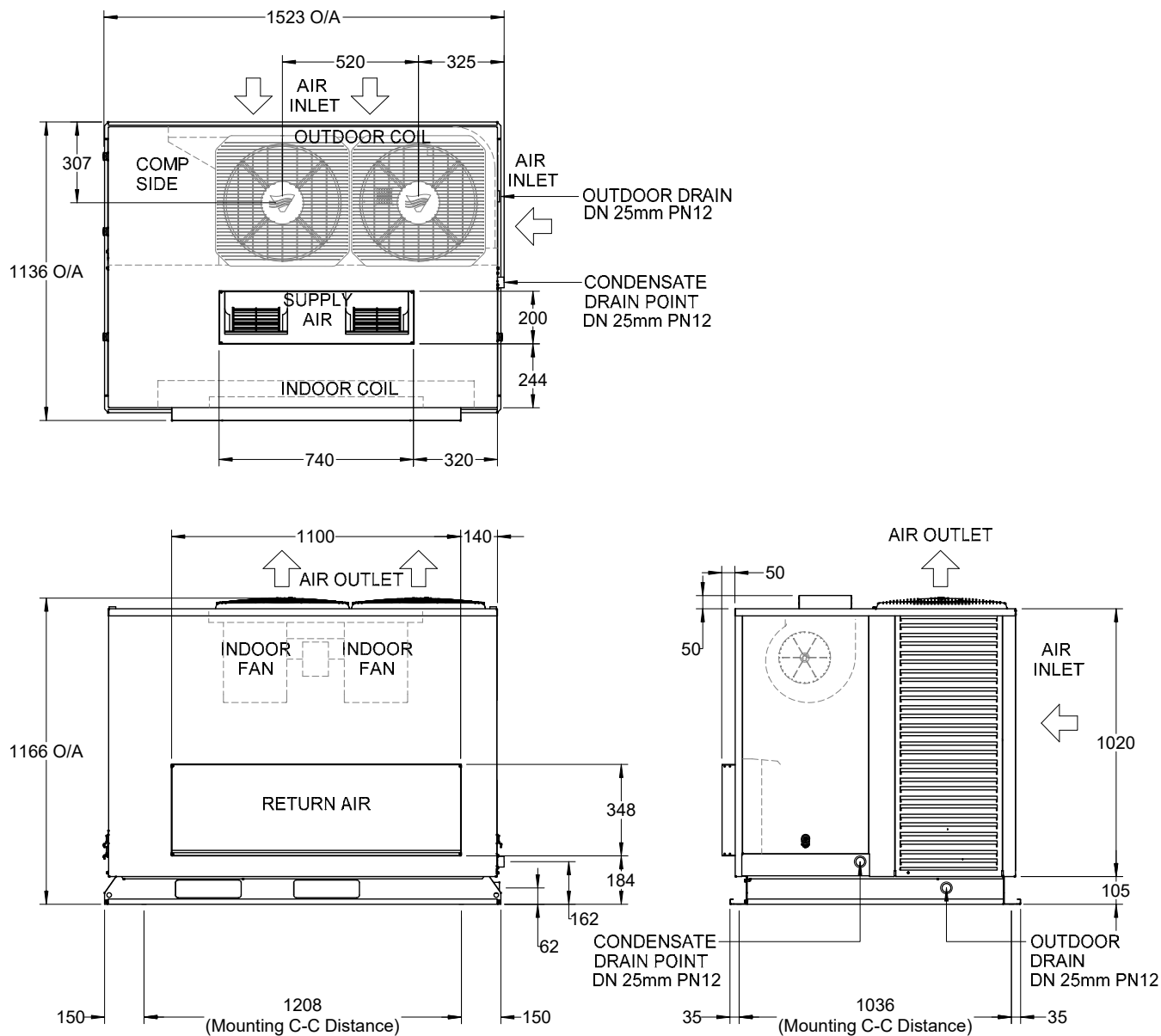
Rev.	Description	PCR By	Date
B	ADDED FIRE TRIP NOTE	3628 RL	12/10/2022

UNIT DIMENSIONS - VERTICAL

PRV15AT-TVFT-EV / PRV17AT-TVFT-EV

NOTE:

Model shown for illustration purposes only and may differ from actual unit



Unit Model Number	Overall Nominal Dimension (OA)			Mounting Distance Base Foot (Centre to Centre)	
	H	W	D	A	B
PRV15AT-TVFT-EA	1166	1523	1136	1208	1036
PRV17AT-TVFT-EA					

Variable Capacity Commercial Inverter Package Ducted Units

Index

- Technical Selection Data (Unit and Control Features)
- Specification Summary
- Capacity Selection Data
- Indoor Fan Data
- Indoor Fan Curve
- Unit Dimensions
- Service Clearances and Weights
- Sound Data
- Specifications
- Wiring Diagram - PRV15AT / 17AT
- Unit Dimensions - Vertical