

GENESIS COMMERCIAL UNIT

PACKAGE DUCTED UNIT (72-96kW)



Model Number

PRV72AT
PRV85AT
PRV96AT



Image shown for illustration purposes only. Actual unit may vary depending on the model.

Technical Selection Data

UNIT FEATURES

- TruMax™ Inverter Variable Speed Compressor and Drive Technology
- Pre-charged with R-32 Refrigerant
- Variable Speed Outdoor Fans
- 17% - 100% variable refrigeration capacity
- Bi-Flow Electronic Expansion Valves
- Low Ambient Cooling Operation to +5°C
- Phase Protection
- Hydrophilic Blue Fin Coat Coil Protection - Indoor and Outdoor Coils
- Removable Louvered Outdoor Coil Guard
- Adaptive Demand Defrost
- EC Variable Speed Indoor Fan + Reduce Fan Airflow Feature
- Adjustable Indoor Airflow
- 25mm Foil Faced Polyethylene Insulation - Indoor unit
- High Static Outdoor Fans - Selectable up to 90Pa
- Built-In Leak Detection Sensor
- Bluetooth Commissioning Tool (BCT)

UNIT STANDARD OPTIONS / ACCESSORIES

- Additional Full Coil Coat Protection - Indoor and Outdoor
- Economiser with and without Spill Air
- 3rd Party Economiser Control
- Condensate Indoor Overflow Sensor
- Supply Air Temperature Sensor
- Variable Fan Technology
- Weather Hood
- Compressor Jacket
- CO2 Sensor (CCO2-MOD)
- Duct Sensor (AERSS)
- Wall Mount Remote Sensor (LM-RS)
- Humidity Sensor Surface/Duct Mount

UNIT COMPLIANCE

- AS/NZS 3823.2 (MEPS)
- AS/NZS 4755.3.1:2012 (DRM 1, 2 and 3)
- AS 61000.6.4 in conjunction with AS/NZS CISPR 11 (Group 1 Class A) EMC Compatibility
- AS/NZS 60335.2.40 in conjunction with AS/NZS 60335.1 (Electrical Safety - Air Conditioner)
- AS/NZS 3000:2018 Electrical Installations (known as the Australian/New Zealand Wiring rules)

CONTROL OPTIONS AND FEATURES

ActronAir 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
- Auto, Heat, Cool, Dry, 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 Bluetooth
- Neo Connect App
- On-Board Temperature, Humidity and Proximity Sensor
- Optional wireless Zone Sensor
- Dry Mode
- Available in White or Black

ActronAir Group Control

ActronAir BMS Gateway

- BACnet/IP
- BACnet MS/TP
- Modbus TCP/IP

ActronAir BMS ICUNO-MOD (Modbus 485)

Third Party Control Options

- Manual and Analogue Inputs

SPECIFICATION SUMMARY

UNIT MODEL		PRV72AT		PRV85AT		PRV96AT	
		⁽¹⁾ TOTAL	⁽²⁾ NETT	⁽¹⁾ TOTAL	⁽²⁾ NETT	⁽¹⁾ TOTAL	⁽²⁾ NETT
⁽³⁾ COOLING CAPACITY (kW)	RATED	74.00	72.00	87.25	85.00	99.25	96.00
	Tru-Max ⁽⁹⁾	-	78.65	-	93.00	-	106.20
	MINIMUM	-	13.10	-	13.58	-	17.48
⁽⁴⁾ HEATING CAPACITY (kW)	RATED	71.00	73.00	83.75	86.00	93.75	97.00
	Tru-Max ⁽⁹⁾	-	80.30	-	94.00	-	109.00
	MINIMUM	-	12.20	-	13.29	-	16.57
⁽³⁾ SENSIBLE CAPACITY (kW)	RATED	60.68	58.68	68.47	66.22	82.26	79.01
COOLING INPUT POWER (kW)	RATED	20.16		25.81		25.90	
	Tru-Max ⁽⁹⁾	22.73		31.86		31.90	
HEATING INPUT POWER (kW)	RATED	19.07		23.92		25.05	
	Tru-Max ⁽⁹⁾	21.07		25.14		32.67	
EER	RATED	3.67	3.57	3.38	3.29	3.83	3.71
	Tru-Max ⁽⁹⁾	-	3.46	-	2.92	-	3.33
COP	RATED	3.72	3.83	3.50	3.60	3.74	3.87
	Tru-Max ⁽⁹⁾	-	3.81	-	3.74	-	3.34
TOTAL COOLING SEASONAL PERFORMANCE FACTOR COMMERCIAL Cold / Mix / Hot and Humid		6.089 / 5.415 / 5.292		6.909 / 5.728 / 5.426		5.521 / 5.114 / 5.085	
HEATING SEASONAL PERFORMANCE FACTOR COMMERCIAL Cold / Mix / Hot and Humid		3.181 / 3.825 / 4.343		3.33 / 3.871 / 4.184		4.331 / 3.809 / 3.172	
⁽⁵⁾ INDOOR AIRFLOW (l/s) Min/Nominal/Max		1700 / 3800 / 4500		2000 / 4450 / 5350		2250 / 5000 / 6000	
⁽⁶⁾ COOLING OUTDOOR SOUND PRESS. LEVEL @ 3m dB(A) - Quiet / Rated / Tru.Max		63.6 / 70.2 / 70.2		63.5 / 68.5 / 68.5		60.5 / 67.5 / 68.6	
⁽⁶⁾ HEATING OUTDOOR SOUND POWER LEVEL @ 3m dB(A) - Quiet / Rated / Tru.Max		63.6 / 70.2 / 70.2		63.7 / 69.0 / 69.0		61.0 / 68.0 / 69.0	
OVERALL SOUND POWER LEVEL (dB(A)) Quiet / Rated / Tru.max		80.6 / 87.2 / 87.2		80.7 / 86.0 / 86.0		77.5 / 84.5 / 85.6	
POWER SUPPLY - OUTDOOR		400V / 3Phase + N / 50Hz					
VOLTAGE RANGE (MIN - MAX)		376V - 424V					
IP RATING		IP44					
⁽²⁾ RATED LOAD AMPS - TOTAL		31.7		39.6		40.1	
⁽⁷⁾ FULL LOAD AMPS OUTDOOR / INDOOR / TOTAL		48.9 / 5.0 / 48.9		61.6 / 8.3 / 61.6		52.7 / 8.7 / 61.4	
OUTDOOR AND INDOOR UNIT (TOTAL)							
FULL LOAD AMPS - PHASE 1		48.3		60.6		60.5	
FULL LOAD AMPS - PHASE 2		48.9		61.2		61.4	
FULL LOAD AMPS - PHASE 3		48.9		61.6		61.3	
⁽⁸⁾ CIRCUIT BREAKER		63A		63A		63A	
APPROXIMATE STARTING AMPS		<63A		<63A		<63A	
COOLING RATED POWER FACTOR		0.93		0.93		0.94	
HEATING RATED POWER FACTOR		0.93		0.93		0.94	
DATA CABLE FIELD WIRING (OUTDOOR TO INDOOR)		(Cat5E UTP (AWG 24) Data Cable)					

(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) Max. - Min. airflow application range.

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

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

(8) See Specification sheet for recommended minimum circuit breaker rating details.

(9) TRU-MAX - Maximum Capacity

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.

To determine the required cable size, refer to the latest edition of AS/NZS 3000 or AS/NZS 3008 wiring rules whichever applies.

CAPACITY SELECTION DATA

PRV72AT

COOLING PERFORMANCE - Tru-Max

AIR ENTERING		TOTAL CAPACITY KW	TOTAL INPUT KW	TOTAL EER 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	71.09	18.49	3.84	34.44	41.28	48.11	54.94	61.77	68.60	71.09	71.09	71.09	71.09	71.09
	17	74.58	18.49	4.03	32.28	38.66	45.04	51.41	57.79	64.17	70.54	74.58	74.58	74.58	74.58
	18	78.06	18.49	4.22	30.12	36.05	41.97	47.89	53.81	59.73	65.65	71.58	77.50	78.06	78.06
	19	81.54	18.48	4.41	27.96	33.43	38.90	44.36	49.83	55.30	60.76	66.23	71.70	77.16	81.54
	20	85.02	18.48	4.60	25.80	30.82	35.83	40.84	45.85	50.86	55.88	60.89	65.90	70.91	75.92
	21	88.50	18.48	4.79		28.20	32.76	37.32	41.87	46.43	50.99	55.54	60.10	64.66	69.21
	22	91.98	18.47	4.98			29.69	33.79	37.89	41.99	46.10	50.20	54.30	58.40	62.51
30	16	69.33	19.98	3.47	34.05	40.63	47.21	53.79	60.37	66.95	69.33	69.33	69.33	69.33	69.33
	17	72.63	20.00	3.63	31.89	38.03	44.17	50.30	56.44	62.57	68.71	72.63	72.63	72.63	72.63
	18	75.92	20.02	3.79	29.73	35.43	41.12	46.82	52.51	58.20	63.90	69.59	75.28	75.92	75.92
	19	79.21	20.04	3.95	27.58	32.83	38.08	43.33	48.58	53.83	59.08	64.33	69.58	74.83	79.21
	20	82.50	20.06	4.11	25.42	30.23	35.03	39.84	44.65	49.46	54.27	59.07	63.88	68.69	73.50
	21	85.79	20.08	4.27		27.63	31.99	36.36	40.72	45.09	49.45	53.81	58.18	62.54	66.91
	22	89.08	20.10	4.43			28.95	32.87	36.79	40.71	44.63	48.56	52.48	56.40	60.32
35	16	67.55	21.44	3.15	33.63	39.96	46.29	52.62	58.95	65.28	67.55	67.55	67.55	67.55	67.55
	17	70.65	21.49	3.29	31.47	37.37	43.27	49.17	55.07	60.97	66.87	70.65	70.65	70.65	70.65
	18	73.76	21.54	3.42	29.32	34.79	40.26	45.73	51.20	56.66	62.13	67.60	73.07	73.76	73.76
	19	76.86	21.59	3.56	27.17	32.21	37.24	42.28	47.32	52.36	57.39	62.43	67.47	72.51	76.86
	20	79.97	21.63	3.70	25.02	29.62	34.23	38.84	43.44	48.05	52.66	57.26	61.87	66.48	71.08
	21	83.07	21.68	3.83		27.04	31.22	35.39	39.57	43.74	47.92	52.10	56.27	60.45	64.62
	22	86.18	21.73	3.97			28.20	31.95	35.69	39.44	43.18	46.93	50.67	54.42	58.16
40	16	64.79	23.41	2.77	33.61	39.78	45.95	52.12	58.29	64.46	64.79	64.79	64.79	64.79	64.79
	17	67.67	23.50	2.88	31.44	37.18	42.93	48.67	54.42	60.16	65.91	67.67	67.67	67.67	67.67
	18	70.55	23.58	2.99	29.27	34.59	39.91	45.23	50.55	55.87	61.19	66.51	70.55	70.55	70.55
	19	73.43	23.66	3.10	27.09	31.99	36.88	41.78	46.67	51.57	56.47	61.36	66.26	71.15	73.43
	20	76.31	23.74	3.21	24.92	29.39	33.86	38.33	42.80	47.27	51.75	56.22	60.69	65.16	69.63
	21	79.19	23.82	3.32		26.79	30.84	34.88	38.93	42.98	47.02	51.07	55.12	59.17	63.21
	22	82.07	23.90	3.43			27.81	31.44	35.06	38.68	42.30	45.93	49.55	53.17	56.80
45	16	61.98	25.36	2.44	33.59	39.60	45.60	51.61	57.62	61.98	61.98	61.98	61.98	61.98	61.98
	17	64.65	25.48	2.54	31.39	36.98	42.57	48.17	53.76	59.35	64.65	64.65	64.65	64.65	64.65
	18	67.31	25.60	2.63	29.20	34.37	39.54	44.72	49.89	55.06	60.24	65.41	67.31	67.31	67.31
	19	69.98	25.72	2.72	27.00	31.76	36.51	41.27	46.02	50.78	55.54	60.29	65.05	69.80	69.98
	20	72.64	25.84	2.81	24.81	29.14	33.48	37.82	42.16	46.50	50.83	55.17	59.51	63.85	68.19
	21	75.30	25.96	2.90		26.53	30.45	34.37	38.29	42.21	46.13	50.05	53.97	57.89	61.81
	22	77.97	26.08	2.99			27.42	30.92	34.43	37.93	41.43	44.94	48.44	51.94	55.44
50	16	59.14	27.28	2.17	33.55	39.40	45.25	51.09	56.94	59.14	59.14	59.14	59.14	59.14	59.14
	17	61.60	27.45	2.24	31.33	36.77	42.21	47.65	53.09	58.52	61.60	61.60	61.60	61.60	61.60
	18	64.05	27.61	2.32	29.12	34.14	39.17	44.20	49.23	54.26	59.28	64.05	64.05	64.05	64.05
	19	66.51	27.77	2.39	26.90	31.52	36.14	40.75	45.37	49.99	54.60	59.22	63.84	66.51	66.51
	20	68.96	27.94	2.47	24.69	28.89	33.10	37.31	41.51	45.72	49.92	54.13	58.34	62.54	66.75
	21	71.42	28.10	2.54		26.27	30.06	33.86	37.65	41.45	45.25	49.04	52.84	56.63	60.43
	22	73.88	28.26	2.61			27.03	30.41	33.80	37.18	40.57	43.95	47.34	50.72	54.11
55	16	37.48	21.09	1.78	22.98	26.77	30.56	34.35	37.48	37.48	37.48	37.48	37.48	37.48	37.48
	17	38.96	21.24	1.83	21.49	25.01	28.53	32.06	35.58	38.96	38.96	38.96	38.96	38.96	38.96
	18	40.43	21.40	1.89	20.00	23.26	26.51	29.76	33.01	36.27	39.52	40.43	40.43	40.43	40.43
	19	41.90	21.55	1.94	18.51	21.50	24.48	27.47	30.45	33.44	36.42	39.40	41.90	41.90	41.90
	20	43.38	21.70	2.00	17.03	19.74	22.46	25.17	27.89	30.60	33.32	36.03	38.75	41.47	43.38
	21	44.85	21.86	2.05		17.99	20.43	22.88	25.33	27.77	30.22	32.67	35.11	37.56	40.00
	22	46.33	21.70	2.13			18.41	20.58	22.76	24.94	27.12	29.30	31.47	33.65	35.83
											Indoor Fan Power (kW)		2		

CAPACITY SELECTION DATA

PRV72AT

COOLING PERFORMANCE - 100%

AIR ENTERING		TOTAL CAPACITY KW	TOTAL INPUT KW	TOTAL EER 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	68.45	17.27	3.96	33.50	40.14	46.77	53.40	60.04	66.67	68.45	68.45	68.45	68.45	68.45
	17	71.80	17.26	4.16	31.41	37.60	43.79	49.98	56.17	62.36	68.55	71.80	71.80	71.80	71.80
	18	75.15	17.26	4.35	29.31	35.06	40.81	46.56	52.31	58.06	63.81	69.56	75.15	75.15	75.15
	19	78.50	17.26	4.55	27.21	32.52	37.83	43.14	48.44	53.75	59.06	64.37	69.68	74.98	78.50
	20	81.84	17.25	4.74	25.11	29.98	34.85	39.71	44.58	49.45	54.31	59.18	64.05	68.91	73.78
	21	85.19	17.25	4.94		27.44	31.87	36.29	40.72	45.14	49.57	53.99	58.42	62.84	67.27
	22	88.54	17.25	5.13			28.89	32.87	36.85	40.83	44.82	48.80	52.78	56.77	60.75
30	16	66.76	18.65	3.58	33.12	39.51	45.90	52.29	58.68	65.06	66.76	66.76	66.76	66.76	66.76
	17	69.92	18.67	3.74	31.03	36.98	42.94	48.90	54.86	60.82	66.78	69.92	69.92	69.92	69.92
	18	73.09	18.69	3.91	28.93	34.46	39.99	45.52	51.04	56.57	62.10	67.63	73.09	73.09	73.09
	19	76.25	18.71	4.08	26.84	31.93	37.03	42.13	47.23	52.33	57.43	62.52	67.62	72.72	76.25
	20	79.42	18.73	4.24	24.74	29.41	34.08	38.74	43.41	48.08	52.75	57.42	62.09	66.75	71.42
	21	82.58	18.75	4.40		26.88	31.12	35.36	39.60	43.84	48.07	52.31	56.55	60.79	65.03
	22	85.75	18.77	4.57			28.17	31.97	35.78	39.59	43.40	47.21	51.01	54.82	58.63
35	16	65.04	20.02	3.25	32.71	38.86	45.00	51.15	57.30	63.44	65.04	65.04	65.04	65.04	65.04
	17	68.03	20.07	3.39	30.62	36.35	42.08	47.80	53.53	59.26	64.99	68.03	68.03	68.03	68.03
	18	71.01	20.11	3.53	28.53	33.84	39.15	44.46	49.77	55.08	60.39	65.70	71.01	71.01	71.01
	19	74.00	20.16	3.67	26.44	31.33	36.22	41.11	46.01	50.90	55.79	60.68	65.57	70.46	74.00
	20	76.99	20.20	3.81	24.35	28.82	33.30	37.77	42.24	46.72	51.19	55.66	60.14	64.61	69.08
	21	79.97	20.24	3.95		26.31	30.37	34.42	38.48	42.53	46.59	50.64	54.70	58.75	62.81
	22	82.96	20.29	4.09			27.44	31.08	34.72	38.35	41.99	45.63	49.26	52.90	56.54
40	16	62.38	21.86	2.85	32.70	38.69	44.68	50.67	56.66	62.38	62.38	62.38	62.38	62.38	62.38
	17	65.15	21.94	2.97	30.59	36.16	41.74	47.32	52.90	58.48	64.05	65.15	65.15	65.15	65.15
	18	67.92	22.01	3.09	28.47	33.64	38.81	43.97	49.14	54.30	59.47	64.64	67.92	67.92	67.92
	19	70.70	22.09	3.20	26.36	31.12	35.87	40.62	45.38	50.13	54.89	59.64	64.39	69.15	70.70
	20	73.47	22.17	3.31	24.25	28.59	32.94	37.28	41.62	45.96	50.30	54.64	58.99	63.33	67.67
	21	76.24	22.24	3.43		26.07	30.00	33.93	37.86	41.79	45.72	49.65	53.58	57.51	61.44
	22	79.01	22.32	3.54			27.06	30.58	34.10	37.62	41.14	44.65	48.17	51.69	55.21
45	16	59.69	23.68	2.52	32.67	38.51	44.34	50.17	56.01	59.69	59.69	59.69	59.69	59.69	59.69
	17	62.25	23.79	2.62	30.54	35.97	41.40	46.83	52.25	57.68	62.25	62.25	62.25	62.25	62.25
	18	64.81	23.91	2.71	28.41	33.43	38.45	43.48	48.50	53.52	58.55	63.57	64.81	64.81	64.81
	19	67.38	24.02	2.81	26.28	30.89	35.51	40.13	44.75	49.37	53.98	58.60	63.22	67.38	67.38
	20	69.94	24.13	2.90	24.15	28.36	32.57	36.78	40.99	45.21	49.42	53.63	57.84	62.05	66.27
	21	72.50	24.24	2.99		25.82	29.63	33.43	37.24	41.05	44.85	48.66	52.47	56.27	60.08
	22	75.06	24.35	3.08			26.68	30.09	33.49	36.89	40.29	43.69	47.09	50.49	53.89
50	16	56.96	25.48	2.24	32.63	38.31	43.99	49.67	55.35	56.96	56.96	56.96	56.96	56.96	56.96
	17	59.32	25.63	2.31	30.48	35.76	41.04	46.32	51.60	56.88	59.32	59.32	59.32	59.32	59.32
	18	61.68	25.78	2.39	28.33	33.21	38.09	42.98	47.86	52.74	57.62	61.68	61.68	61.68	61.68
	19	64.04	25.93	2.47	26.18	30.66	35.15	39.63	44.11	48.60	53.08	57.56	62.04	64.04	64.04
	20	66.40	26.09	2.55	24.03	28.11	32.20	36.28	40.37	44.45	48.53	52.62	56.70	60.79	64.87
	21	68.76	26.24	2.62		25.56	29.25	32.94	36.62	40.31	43.99	47.68	51.36	55.05	58.73
	22	71.13	26.39	2.70			26.30	29.59	32.87	36.16	39.45	42.73	46.02	49.31	52.60
55	16	36.13	19.69	1.83	22.37	26.05	29.73	33.41	36.13	36.13	36.13	36.13	36.13	36.13	36.13
	17	37.54	19.84	1.89	20.92	24.34	27.76	31.18	34.60	37.54	37.54	37.54	37.54	37.54	37.54
	18	38.96	19.98	1.95	19.48	22.64	25.80	28.96	32.11	35.27	38.43	38.96	38.96	38.96	38.96
	19	40.38	20.12	2.01	18.04	20.93	23.83	26.73	29.63	32.52	35.42	38.32	40.38	40.38	40.38
	20	41.80	20.26	2.06	16.59	19.23	21.86	24.50	27.14	29.77	32.41	35.05	37.68	40.32	41.80
	21	43.21	20.41	2.12		17.52	19.90	22.27	24.65	27.02	29.40	31.78	34.15	36.53	38.90
	22	44.63	20.26	2.20			17.93	20.05	22.16	24.28	26.39	28.50	30.62	32.73	34.85
												Indoor Fan Power (kW)		2	

CAPACITY SELECTION DATA

PRV72AT

COOLING PERFORMANCE - 75%

AIR ENTERING		TOTAL CAPACITY KW	TOTAL INPUT KW	TOTAL EER 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	54.49	12.47	4.37	28.29	33.82	39.36	44.89	50.42	54.49	54.49	54.49	54.49	54.49	54.49
	17	57.14	12.47	4.58	26.54	31.70	36.87	42.03	47.20	52.37	57.14	57.14	57.14	57.14	57.14
	18	59.78	12.47	4.80	24.79	29.58	34.38	39.18	43.98	48.77	53.57	58.37	59.78	59.78	59.78
	19	62.43	12.46	5.01	23.04	27.46	31.89	36.32	40.75	45.18	49.61	54.04	58.47	62.43	62.43
	20	65.07	12.46	5.22	21.29	25.35	29.41	33.47	37.53	41.59	45.65	49.71	53.77	57.83	61.89
	21	67.72	12.46	5.43		23.23	26.92	30.61	34.30	38.00	41.69	45.38	49.07	52.76	56.46
	22	70.36	12.46	5.65			24.43	27.76	31.08	34.40	37.73	41.05	44.37	47.70	51.02
30	16	53.16	13.47	3.95	27.97	33.30	38.63	43.96	49.29	53.16	53.16	53.16	53.16	53.16	53.16
	17	55.66	13.49	4.13	26.22	31.19	36.16	41.13	46.11	51.08	55.66	55.66	55.66	55.66	55.66
	18	58.16	13.50	4.31	24.47	29.08	33.70	38.31	42.92	47.53	52.15	56.76	58.16	58.16	58.16
	19	60.66	13.51	4.49	22.72	26.98	31.23	35.48	39.74	43.99	48.25	52.50	56.75	60.66	60.66
	20	63.16	13.53	4.67	20.97	24.87	28.76	32.66	36.55	40.45	44.34	48.24	52.13	56.03	59.92
	21	65.66	13.54	4.85		22.76	26.30	29.83	33.37	36.91	40.44	43.98	47.52	51.05	54.59
	22	68.16	13.56	5.03			23.83	27.01	30.19	33.36	36.54	39.72	42.90	46.07	49.25
35	16	51.80	14.46	3.58	27.62	32.75	37.88	43.01	48.14	51.80	51.80	51.80	51.80	51.80	51.80
	17	54.16	14.49	3.74	25.88	30.66	35.44	40.22	45.00	49.78	54.16	54.16	54.16	54.16	54.16
	18	56.52	14.52	3.89	24.14	28.57	33.00	37.43	41.86	46.29	50.72	55.15	56.52	56.52	56.52
	19	58.88	14.56	4.04	22.39	26.47	30.55	34.64	38.72	42.80	46.88	50.96	55.04	58.88	58.88
	20	61.24	14.59	4.20	20.65	24.38	28.11	31.85	35.58	39.31	43.04	46.77	50.51	54.24	57.97
	21	63.59	14.62	4.35		22.29	25.67	29.05	32.44	35.82	39.20	42.59	45.97	49.35	52.74
	22	65.95	14.65	4.50			23.23	26.26	29.30	32.33	35.37	38.40	41.43	44.47	47.50
40	16	49.70	15.79	3.15	27.61	32.61	37.61	42.61	47.61	49.70	49.70	49.70	49.70	49.70	49.70
	17	51.89	15.85	3.27	25.85	30.51	35.16	39.81	44.47	49.12	51.89	51.89	51.89	51.89	51.89
	18	54.08	15.90	3.40	24.09	28.40	32.71	37.02	41.33	45.64	49.95	54.08	54.08	54.08	54.08
	19	56.27	15.96	3.53	22.33	26.29	30.26	34.23	38.19	42.16	46.13	50.09	54.06	56.27	56.27
	20	58.45	16.01	3.65	20.57	24.19	27.81	31.43	35.06	38.68	42.30	45.93	49.55	53.17	56.79
	21	60.64	16.07	3.77		22.08	25.36	28.64	31.92	35.20	38.48	41.76	45.04	48.32	51.59
	22	62.83	16.12	3.90			22.91	25.85	28.78	31.72	34.65	37.59	40.52	43.46	46.39
45	16	47.57	17.10	2.78	27.59	32.46	37.33	42.20	47.06	47.57	47.57	47.57	47.57	47.57	47.57
	17	49.60	17.19	2.89	25.81	30.34	34.87	39.40	43.93	48.46	49.60	49.60	49.60	49.60	49.60
	18	51.62	17.27	2.99	24.03	28.23	32.42	36.61	40.80	44.99	49.18	51.62	51.62	51.62	51.62
	19	53.64	17.35	3.09	22.26	26.11	29.96	33.81	37.67	41.52	45.37	49.23	53.08	53.64	53.64
	20	55.67	17.43	3.19	20.48	23.99	27.51	31.02	34.54	38.05	41.56	45.08	48.59	52.11	55.62
	21	57.69	17.51	3.30		21.88	25.05	28.23	31.40	34.58	37.76	40.93	44.11	47.28	50.46
	22	59.72	17.59	3.40			22.60	25.43	28.27	31.11	33.95	36.79	39.62	42.46	45.30
50	16	45.41	18.40	2.47	27.56	32.30	37.04	41.78	45.41	45.41	45.41	45.41	45.41	45.41	45.41
	17	47.28	18.51	2.55	25.76	30.17	34.58	38.98	43.39	47.28	47.28	47.28	47.28	47.28	47.28
	18	49.14	18.62	2.64	23.97	28.04	32.12	36.19	40.26	44.34	48.41	49.14	49.14	49.14	49.14
	19	51.01	18.73	2.72	22.18	25.92	29.66	33.40	37.14	40.88	44.62	48.36	51.01	51.01	51.01
	20	52.88	18.84	2.81	20.38	23.79	27.20	30.60	34.01	37.42	40.83	44.24	47.64	51.05	52.88
	21	54.74	18.95	2.89		21.66	24.74	27.81	30.89	33.96	37.04	40.11	43.19	46.26	49.34
	22	56.61	19.06	2.97			22.28	25.02	27.76	30.50	33.25	35.99	38.73	41.47	44.22
55	16	28.96	14.22	2.04	19.00	22.07	25.14	28.21	28.96	28.96	28.96	28.96	28.96	28.96	28.96
	17	30.08	14.33	2.10	17.79	20.64	23.50	26.35	29.20	30.08	30.08	30.08	30.08	30.08	30.08
	18	31.20	14.43	2.16	16.59	19.22	21.86	24.49	27.13	29.76	31.20	31.20	31.20	31.20	31.20
	19	32.32	14.53	2.22	15.38	17.80	20.22	22.63	25.05	27.47	29.89	32.30	32.32	32.32	32.32
	20	33.44	14.64	2.28	14.17	16.37	18.57	20.77	22.97	25.17	27.37	29.57	31.77	33.44	33.44
	21	34.56	14.74	2.34		14.95	16.93	18.92	20.90	22.88	24.86	26.84	28.83	30.81	32.79
	22	35.68	14.64	2.44			15.29	17.06	18.82	20.59	22.35	24.11	25.88	27.64	29.41
											Indoor Fan Power (kW)		2		

CAPACITY SELECTION DATA

PRV72AT

COOLING PERFORMANCE - 50%

AIR ENTERING		TOTAL CAPACITY KW	TOTAL INPUT KW	TOTAL EER 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	34.26	8.19	4.18	20.76	24.71	28.66	32.61	34.26	34.26	34.26	34.26	34.26	34.26	34.26
	17	35.88	8.19	4.38	19.51	23.20	26.89	30.58	34.26	35.88	35.88	35.88	35.88	35.88	35.88
	18	37.51	8.19	4.58	18.26	21.69	25.11	28.54	31.96	35.39	37.51	37.51	37.51	37.51	37.51
	19	39.13	8.19	4.78	17.02	20.18	23.34	26.50	29.66	32.82	35.98	39.13	39.13	39.13	39.13
	20	40.76	8.19	4.98	15.77	18.66	21.56	24.46	27.36	30.26	33.16	36.06	38.95	40.76	40.76
	21	42.38	8.18	5.18		17.15	19.79	22.42	25.06	27.69	30.33	32.96	35.60	38.24	40.87
	22	44.01	8.18	5.38			18.01	20.38	22.76	25.13	27.50	29.87	32.25	34.62	36.99
30	16	33.43	8.85	3.78	20.53	24.34	28.14	31.95	33.43	33.43	33.43	33.43	33.43	33.43	33.43
	17	34.97	8.86	3.95	19.29	22.84	26.38	29.93	33.48	34.97	34.97	34.97	34.97	34.97	34.97
	18	36.51	8.87	4.12	18.04	21.33	24.62	27.92	31.21	34.50	36.51	36.51	36.51	36.51	36.51
	19	38.04	8.88	4.29	16.79	19.83	22.86	25.90	28.94	31.97	35.01	38.04	38.04	38.04	38.04
	20	39.58	8.89	4.45	15.54	18.32	21.10	23.88	26.66	29.45	32.23	35.01	37.79	39.58	39.58
	21	41.11	8.89	4.62		16.82	19.34	21.87	24.39	26.92	29.44	31.96	34.49	37.01	39.54
	22	42.65	8.90	4.79			17.58	19.85	22.12	24.39	26.66	28.92	31.19	33.46	35.73
35	16	32.60	9.50	3.43	20.29	23.95	27.61	31.27	32.60	32.60	32.60	32.60	32.60	32.60	32.60
	17	34.05	9.52	3.58	19.05	22.46	25.87	29.28	32.69	34.05	34.05	34.05	34.05	34.05	34.05
	18	35.50	9.54	3.72	17.80	20.96	24.13	27.29	30.45	33.61	35.50	35.50	35.50	35.50	35.50
	19	36.95	9.56	3.86	16.56	19.47	22.38	25.30	28.21	31.12	34.04	36.95	36.95	36.95	36.95
	20	38.40	9.58	4.01	15.31	17.98	20.64	23.30	25.97	28.63	31.30	33.96	36.62	38.40	38.40
	21	39.85	9.60	4.15		16.48	18.90	21.31	23.73	26.14	28.56	30.97	33.39	35.80	38.22
	22	41.30	9.63	4.29			17.15	19.32	21.48	23.65	25.82	27.98	30.15	32.31	34.48
40	16	31.31	10.37	3.02	20.28	23.85	27.42	30.99	31.31	31.31	31.31	31.31	31.31	31.31	31.31
	17	32.65	10.41	3.14	19.03	22.35	25.67	28.99	32.31	32.65	32.65	32.65	32.65	32.65	32.65
	18	34.00	10.44	3.26	17.77	20.84	23.92	27.00	30.07	33.15	34.00	34.00	34.00	34.00	34.00
	19	35.34	10.48	3.37	16.51	19.34	22.17	25.00	27.84	30.67	33.50	35.34	35.34	35.34	35.34
	20	36.69	10.52	3.49	15.25	17.84	20.42	23.01	25.60	28.18	30.77	33.35	35.94	36.69	36.69
	21	38.03	10.55	3.60		16.34	18.68	21.02	23.36	25.70	28.04	30.38	32.72	35.06	37.40
	22	39.38	10.59	3.72			16.93	19.02	21.12	23.21	25.31	27.40	29.50	31.59	33.69
45	16	30.00	11.23	2.67	20.27	23.74	27.22	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
	17	31.25	11.29	2.77	19.00	22.23	25.46	28.70	31.25	31.25	31.25	31.25	31.25	31.25	31.25
	18	32.49	11.34	2.86	17.73	20.72	23.71	26.70	29.70	32.49	32.49	32.49	32.49	32.49	32.49
	19	33.73	11.39	2.96	16.46	19.21	21.96	24.71	27.46	30.21	32.96	33.73	33.73	33.73	33.73
	20	34.98	11.45	3.06	15.19	17.70	20.21	22.72	25.22	27.73	30.24	32.75	34.98	34.98	34.98
	21	36.22	11.50	3.15		16.19	18.45	20.72	22.99	25.26	27.52	29.79	32.06	34.32	36.22
	22	37.46	11.55	3.24			16.70	18.73	20.75	22.78	24.80	26.83	28.86	30.88	32.91
50	16	28.68	12.09	2.37	20.24	23.63	27.01	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.68
	17	29.82	12.16	2.45	18.96	22.11	25.25	28.40	29.82	29.82	29.82	29.82	29.82	29.82	29.82
	18	30.97	12.23	2.53	17.68	20.59	23.50	26.40	29.31	30.97	30.97	30.97	30.97	30.97	30.97
	19	32.12	12.30	2.61	16.40	19.07	21.74	24.41	27.08	29.75	32.12	32.12	32.12	32.12	32.12
	20	33.26	12.38	2.69	15.12	17.55	19.99	22.42	24.85	27.28	29.72	32.15	33.26	33.26	33.26
	21	34.41	12.45	2.76		16.03	18.23	20.42	22.62	24.81	27.01	29.20	31.40	33.59	34.41
	22	35.55	12.52	2.84			16.47	18.43	20.39	22.35	24.30	26.26	28.22	30.18	32.13
55	16	18.56	9.34	1.99	14.13	16.32	18.52	18.56	18.56	18.56	18.56	18.56	18.56	18.56	18.56
	17	19.25	9.41	2.05	13.27	15.31	17.34	19.25	19.25	19.25	19.25	19.25	19.25	19.25	19.25
	18	19.94	9.48	2.10	12.41	14.29	16.17	18.05	19.94	19.94	19.94	19.94	19.94	19.94	19.94
	19	20.63	9.55	2.16	11.55	13.28	15.00	16.73	18.45	20.18	20.63	20.63	20.63	20.63	20.63
	20	21.32	9.61	2.22	10.69	12.26	13.83	15.40	16.97	18.54	20.11	21.32	21.32	21.32	21.32
	21	22.00	9.68	2.27		11.24	12.66	14.07	15.49	16.90	18.32	19.73	21.15	22.00	22.00
	22	22.69	9.61	2.36			11.49	12.75	14.01	15.27	16.53	17.79	19.04	20.30	21.56
Indoor Fan Power (kW)												2			

CAPACITY SELECTION DATA

PRV72AT

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	43.57	40.35	43.36	40.16	43.13	39.94	42.94	39.77	42.73	39.57
-8	46.88	42.77	46.64	42.56	46.38	42.31	46.13	42.09	45.89	41.87
-6	50.22	45.22	49.92	44.96	49.63	44.69	49.33	44.42	49.00	44.13
-4	53.59	47.70	53.23	47.38	52.88	47.06	52.55	46.77	52.19	46.45
-2	56.90	50.12	56.51	49.78	56.13	49.44	55.71	49.07	55.33	48.73
0	60.23	52.56	59.82	52.20	59.38	51.81	58.93	51.43	58.49	51.04
2	63.98	57.48	63.50	57.05	63.00	56.60	62.50	56.15	62.00	55.70
4	68.10	64.85	67.54	64.31	67.00	63.80	66.44	63.26	65.84	62.70
6	72.20	72.20	71.60	71.60	71.00	71.00	70.57	70.57	69.92	69.92
8	76.01	76.01	75.56	75.56	74.90	74.90	74.22	74.22	73.51	73.51
10	80.23	80.23	79.52	79.52	78.78	78.78	78.04	78.04	77.27	77.27
12	84.42	84.42	83.62	83.62	82.82	82.82	81.99	81.99	81.17	81.17
14	88.80	88.80	87.92	87.92	87.01	87.01	86.12	86.12	85.21	85.21
16	93.27	93.27	92.33	92.33	91.36	91.36	90.37	90.37	89.43	89.43
18	97.94	97.94	96.92	96.92	95.89	95.89	94.87	94.87	93.76	93.76

AIRFLOW CORRECTION MULTIPLIER

% VARIATION	-20%	-15%	-10%	-5%	Nominal	5%	10%	15%	20%
INDOOR AIRFLOW (l/s)	3040	3230	3420	3610	3800	3990	4180	4370	4560
TOTAL COOLING	0.958	0.973	0.983	0.993	1.000	1.008	1.016	1.021	1.024
SENSIBLE COOLING	0.88	0.921	0.948	0.993	1.000	1.026	1.052	1.071	1.082
HEATING FACTOR	0.989	0.992	0.995	0.998	1.000	1.002	1.004	1.005	1.006

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

PRV85AT

COOLING PERFORMANCE - Tru-Max

AIR ENTERING		TOTAL CAPACITY KW	TOTAL INPUT KW	TOTAL EER 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	95.15	26.24	3.63	47.89	54.89	61.89	68.90	75.90	82.90	89.90				
	17	97.94	26.29	3.73	44.74	51.26	57.78	64.30	70.82	77.34	83.86	90.38	96.90		
	18	100.74	26.35	3.82	41.60	47.63	53.67	59.71	65.74	71.78	77.82	83.85	89.89	95.93	
	19	103.53	26.40	3.92	38.45	44.00	49.56	55.11	60.67	66.22	71.77	77.33	82.88	88.43	93.99
	20	106.33	26.46	4.02	35.30	40.37	45.45	50.52	55.59	60.66	65.73	70.80	75.87	80.94	86.01
	21	109.13	26.51	4.12		36.74	41.33	45.92	50.51	55.10	59.69	64.27	68.86	73.45	78.04
	22	111.92	26.57	4.21			37.22	41.33	45.43	49.54	53.64	57.75	61.85	65.96	70.06
30	16	91.05	28.25	3.22	45.32	52.57	59.83	67.08	74.33	81.59	88.84				
	17	93.93	28.33	3.32	42.28	49.03	55.77	62.51	69.25	76.00	82.74	89.48			
	18	96.82	28.41	3.41	39.25	45.48	51.71	57.94	64.17	70.40	76.64	82.87	89.10	95.33	
	19	99.70	28.50	3.50	36.21	41.93	47.65	53.37	59.09	64.81	70.53	76.25	81.97	87.69	93.41
	20	102.58	28.58	3.59	33.18	38.38	43.59	48.80	54.01	59.22	64.43	69.64	74.85	80.05	85.26
	21	105.47	28.66	3.68		34.84	39.54	44.23	48.93	53.63	58.33	63.02	67.72	72.42	77.12
	22	108.35	28.75	3.77			35.48	39.66	43.85	48.04	52.22	56.41	60.59	64.78	68.97
35	16	87.02	30.24	2.88	42.78	50.27	57.75	65.23	72.71	80.19					
	17	89.98	30.36	2.96	39.87	46.81	53.75	60.70	67.64	74.58	81.53	88.47			
	18	92.93	30.47	3.05	36.95	43.35	49.76	56.16	62.57	68.97	75.38	81.78	88.19		
	19	95.89	30.59	3.14	34.03	39.90	45.76	51.63	57.50	63.36	69.23	75.09	80.96	86.83	92.69
	20	98.85	30.70	3.22	31.11	36.44	41.77	47.10	52.42	57.75	63.08	68.41	73.73	79.06	84.39
	21	101.81	30.82	3.30		32.98	37.77	42.56	47.35	52.14	56.93	61.72	66.51	71.30	76.09
	22	104.76	30.93	3.39			33.78	38.03	42.28	46.53	50.78	55.03	59.28	63.53	67.78
40	16	83.49	33.04	2.53	39.93	47.55	55.16	62.78	70.39	78.00					
	17	86.52	33.19	2.61	37.16	44.22	51.27	58.33	65.38	72.44	79.49				
	18	89.55	33.34	2.69	34.40	40.89	47.39	53.88	60.38	66.87	73.37	79.87	86.36		
	19	92.59	33.50	2.76	31.63	37.57	43.50	49.44	55.37	61.31	67.25	73.18	79.12	85.06	90.99
	20	95.62	33.65	2.84	28.86	34.24	39.62	44.99	50.37	55.75	61.12	66.50	71.88	77.25	82.63
	21	98.66	33.80	2.92		30.91	35.73	40.55	45.36	50.18	55.00	59.82	64.64	69.45	74.27
	22	101.69	33.96	2.99			31.84	36.10	40.36	44.62	48.88	53.14	57.39	61.65	65.91
45	16	72.83	30.22	2.41	33.97	40.98	47.99	55.00	62.01	69.02					
	17	75.65	30.38	2.49	31.60	38.08	44.57	51.05	57.54	64.02	70.51				
	18	78.46	30.55	2.57	29.22	35.18	41.14	47.10	53.06	59.02	64.98	70.94	76.90		
	19	81.28	30.71	2.65	26.84	32.28	37.72	43.15	48.59	54.02	59.46	64.89	70.33	75.76	81.20
	20	84.09	30.88	2.72	24.47	29.38	34.29	39.20	44.11	49.02	53.93	58.84	63.75	68.66	73.57
	21	86.90	31.04	2.80		26.48	30.86	35.25	39.64	44.02	48.41	52.79	57.18	61.56	65.95
	22	89.72	31.21	2.87			27.44	31.30	35.16	39.02	42.88	46.74	50.60	54.46	58.32
50	16	69.73	32.54	2.14	31.50	38.57	45.64	52.70	59.77	66.84					
	17	72.59	32.74	2.22	29.27	35.80	42.33	48.85	55.38	61.91	68.44				
	18	75.45	32.95	2.29	27.04	33.03	39.02	45.01	50.99	56.98	62.97	68.96	74.95		
	19	78.32	33.15	2.36	24.81	30.26	35.71	41.16	46.61	52.06	57.50	62.95	68.40	73.85	
	20	81.18	33.36	2.43	22.58	27.49	32.40	37.31	42.22	47.13	52.04	56.95	61.86	66.77	71.68
	21	84.05	33.57	2.50		24.72	29.09	33.46	37.83	42.20	46.57	50.94	55.31	59.69	64.06
	22	86.91	33.77	2.57			25.78	29.61	33.44	37.27	41.11	44.94	48.77	52.60	56.43
55	16	47.74	25.56	1.87	23.89	29.60	35.31	41.03	46.74						
	17	49.79	25.75	1.93	22.21	27.48	32.75	38.02	43.29	48.56					
	18	51.84	25.93	2.00	20.53	25.35	30.18	35.01	39.83	44.66	49.48				
	19	53.89	26.12	2.06	18.85	23.23	27.61	31.99	36.38	40.76	45.14	49.52			
	20	55.95	26.30	2.13	17.17	21.11	25.04	28.98	32.92	36.86	40.80	44.74	48.68	52.61	
	21	58.00	26.49	2.19		18.98	22.48	25.97	29.47	32.96	36.46	39.95	43.45	46.94	50.44
	22	60.05	26.30	2.28			19.91	22.96	26.01	29.06	32.11	35.16	38.22	41.27	44.32
												Indoor Fan Power (kW)		2.25	

CAPACITY SELECTION DATA

PRV85AT

COOLING PERFORMANCE - 100%

AIR ENTERING		TOTAL CAPACITY KW	TOTAL INPUT KW	TOTAL EER 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	86.57	22.14	3.91	43.74	50.10	56.47	62.83	69.20	75.56	81.93				
	17	89.11	22.18	4.02	40.88	46.80	52.73	58.65	64.58	70.51	76.43	82.36	88.29		
	18	91.65	22.23	4.12	38.02	43.50	48.99	54.48	59.97	65.45	70.94	76.43	81.91	87.40	
	19	94.19	22.28	4.23	35.16	40.20	45.25	50.30	55.35	60.40	65.45	70.49	75.54	80.59	85.64
	20	96.73	22.32	4.33	32.30	36.90	41.51	46.12	50.73	55.34	59.95	64.56	69.17	73.78	78.39
	21	99.26	22.37	4.44		33.61	37.78	41.95	46.12	50.29	54.46	58.63	62.80	66.97	71.14
	22	101.80	22.42	4.54			34.04	37.77	41.50	45.23	48.97	52.70	56.43	60.16	63.89
30	16	82.86	23.84	3.48	41.40	47.99	54.59	61.18	67.77	74.37	80.96				
	17	85.47	23.91	3.58	38.64	44.77	50.90	57.03	63.16	69.28	75.41	81.54			
	18	88.09	23.98	3.67	35.88	41.54	47.21	52.87	58.54	64.20	69.87	75.53	81.19	86.86	
	19	90.71	24.05	3.77	33.12	38.32	43.52	48.72	53.92	59.12	64.32	69.52	74.72	79.92	85.12
	20	93.32	24.12	3.87	30.36	35.10	39.83	44.57	49.30	54.04	58.77	63.50	68.24	72.97	77.71
	21	95.94	24.19	3.97		31.87	36.14	40.41	44.68	48.95	53.22	57.49	61.76	66.03	70.30
	22	98.56	24.26	4.06			32.45	36.26	40.06	43.87	47.67	51.48	55.28	59.09	62.90
35	16	79.20	25.52	3.10	39.09	45.90	52.70	59.50	66.30	73.10	0.00	0.00	0.00	0.00	0.00
	17	81.88	25.62	3.20	36.44	42.75	49.07	55.38	61.69	68.00	74.31	80.62	0.00	0.00	0.00
	18	84.57	25.71	3.29	33.79	39.61	45.43	51.26	57.08	62.90	68.72	74.54	80.37	0.00	0.00
	19	87.25	25.81	3.38	31.14	36.47	41.80	47.13	52.47	57.80	63.13	68.47	73.80	79.13	84.46
	20	89.93	25.91	3.47	28.49	33.33	38.17	43.01	47.86	52.70	57.54	62.39	67.23	72.07	76.91
	21	92.62	26.00	3.56		30.19	34.54	38.89	43.25	47.60	51.95	56.31	60.66	65.01	69.37
	22	95.30	26.10	3.65			30.91	34.77	38.64	42.50	46.36	50.23	54.09	57.95	61.82
40	16	75.99	27.88	2.73	36.50	43.42	50.35	57.27	64.19	71.11					
	17	78.74	28.01	2.81	33.99	40.40	46.81	53.23	59.64	66.05	72.46				
	18	81.50	28.14	2.90	31.47	37.38	43.28	49.18	55.09	60.99	66.90	72.80	78.71		
	19	84.25	28.27	2.98	28.96	34.35	39.75	45.14	50.54	55.94	61.33	66.73	72.12	77.52	82.92
	20	87.01	28.39	3.06	26.44	31.33	36.21	41.10	45.99	50.88	55.77	60.65	65.54	70.43	75.32
	21	89.76	28.52	3.15		28.30	32.68	37.06	41.44	45.82	50.20	54.58	58.96	63.34	67.72
	22	92.52	28.65	3.23			29.15	33.02	36.89	40.76	44.63	48.50	52.38	56.25	60.12
45	16	72.83	30.22	2.41	33.97	40.98	47.99	55.00	62.01	69.02					
	17	75.65	30.38	2.49	31.60	38.08	44.57	51.05	57.54	64.02	70.51				
	18	78.46	30.55	2.57	29.22	35.18	41.14	47.10	53.06	59.02	64.98	70.94	76.90		
	19	81.28	30.71	2.65	26.84	32.28	37.72	43.15	48.59	54.02	59.46	64.89	70.33	75.76	81.20
	20	84.09	30.88	2.72	24.47	29.38	34.29	39.20	44.11	49.02	53.93	58.84	63.75	68.66	73.57
	21	86.90	31.04	2.80		26.48	30.86	35.25	39.64	44.02	48.41	52.79	57.18	61.56	65.95
	22	89.72	31.21	2.87			27.44	31.30	35.16	39.02	42.88	46.74	50.60	54.46	58.32
50	16	69.73	32.54	2.14	31.50	38.57	45.64	52.70	59.77	66.84					
	17	72.59	32.74	2.22	29.27	35.80	42.33	48.85	55.38	61.91	68.44				
	18	75.45	32.95	2.29	27.04	33.03	39.02	45.01	50.99	56.98	62.97	68.96	74.95		
	19	78.32	33.15	2.36	24.81	30.26	35.71	41.16	46.61	52.06	57.50	62.95	68.40	73.85	
	20	81.18	33.36	2.43	22.58	27.49	32.40	37.31	42.22	47.13	52.04	56.95	61.86	66.77	71.68
	21	84.05	33.57	2.50		24.72	29.09	33.46	37.83	42.20	46.57	50.94	55.31	59.69	64.06
	22	86.91	33.77	2.57			25.78	29.61	33.44	37.27	41.11	44.94	48.77	52.60	56.43
55	16	47.74	25.56	1.87	23.89	29.60	35.31	41.03	46.74						
	17	49.79	25.75	1.93	22.21	27.48	32.75	38.02	43.29	48.56					
	18	51.84	25.93	2.00	20.53	25.35	30.18	35.01	39.83	44.66	49.48				
	19	53.89	26.12	2.06	18.85	23.23	27.61	31.99	36.38	40.76	45.14	49.52			
	20	55.95	26.30	2.13	17.17	21.11	25.04	28.98	32.92	36.86	40.80	44.74	48.68	52.61	
	21	58.00	26.49	2.19		18.98	22.48	25.97	29.47	32.96	36.46	39.95	43.45	46.94	50.44
	22	60.05	26.30	2.28			19.91	22.96	26.01	29.06	32.11	35.16	38.22	41.27	44.32
											Indoor Fan Power (kW)			2.25	

CAPACITY SELECTION DATA

PRV85AT

COOLING PERFORMANCE - 75%

AIR ENTERING		TOTAL CAPACITY KW	TOTAL INPUT KW	TOTAL EER 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	72.48	16.05	4.52	37.94	43.42	48.89	54.37	59.84	65.32	70.80				
	17	74.60	16.08	4.64	35.48	40.58	45.68	50.78	55.87	60.97	66.07	71.17			
	18	76.71	16.11	4.76	33.02	37.74	42.46	47.18	51.90	56.62	61.34	66.07	70.79	75.51	
	19	78.82	16.15	4.88	30.56	34.90	39.25	43.59	47.93	52.27	56.62	60.96	65.30	69.65	73.99
	20	80.94	16.18	5.00	28.10	32.06	36.03	40.00	43.96	47.93	51.89	55.86	59.82	63.79	67.75
	21	83.05	16.21	5.12		29.23	32.81	36.40	39.99	43.58	47.17	50.75	54.34	57.93	61.52
	22	85.17	16.25	5.24			29.60	32.81	36.02	39.23	42.44	45.65	48.86	52.07	55.28
30	16	69.39	17.28	4.02	35.93	41.60	47.28	52.95	58.62	64.29					
	17	71.57	17.33	4.13	33.56	38.83	44.10	49.37	54.65	59.92	65.19	70.47			
	18	73.74	17.38	4.24	31.18	36.06	40.93	45.80	50.67	55.55	60.42	65.29	70.17		
	19	75.92	17.43	4.36	28.81	33.28	37.75	42.23	46.70	51.17	55.65	60.12	64.59	69.07	73.54
	20	78.10	17.48	4.47	26.43	30.51	34.58	38.65	42.73	46.80	50.87	54.95	59.02	63.09	67.17
	21	80.28	17.53	4.58		27.73	31.41	35.08	38.75	42.43	46.10	49.78	53.45	57.12	60.80
	22	82.46	17.58	4.69			28.23	31.51	34.78	38.06	41.33	44.60	47.88	51.15	54.42
35	16	66.34	18.50	3.59	33.95	39.80	45.65	51.50	57.35	63.20					
	17	68.57	18.57	3.69	31.67	37.10	42.53	47.96	53.39	58.82	64.25				
	18	70.81	18.64	3.80	29.38	34.39	39.40	44.41	49.42	54.43	59.44	64.45	69.45		
	19	73.04	18.71	3.90	27.10	31.69	36.28	40.86	45.45	50.04	54.63	59.22	63.80	68.39	72.98
	20	75.28	18.78	4.01	24.82	28.99	33.15	37.32	41.49	45.65	49.82	53.99	58.15	62.32	66.48
	21	77.52	18.85	4.11		26.28	30.03	33.77	37.52	41.26	45.01	48.75	52.50	56.25	59.99
	22	79.75	18.92	4.22			26.90	30.23	33.55	36.88	40.20	43.52	46.85	50.17	53.50
40	16	63.67	20.21	3.15	31.72	37.67	43.63	49.58	55.54	61.49					
	17	65.96	20.30	3.25	29.55	35.07	40.59	46.10	51.62	57.14	62.66				
	18	68.25	20.39	3.35	27.39	32.47	37.55	42.63	47.71	52.79	57.87	62.95	68.03		
	19	70.55	20.49	3.44	25.22	29.87	34.51	39.15	43.79	48.44	53.08	57.72	62.36	67.01	
	20	72.84	20.58	3.54	23.06	27.27	31.47	35.68	39.88	44.09	48.29	52.49	56.70	60.90	65.11
	21	75.14	20.67	3.63		24.66	28.43	32.20	35.97	39.73	43.50	47.27	51.04	54.80	58.57
	22	77.43	20.77	3.73			25.39	28.72	32.05	35.38	38.71	42.04	45.37	48.70	52.03
45	16	61.04	21.90	2.79	29.54	35.57	41.60	47.63	53.66	59.69					
	17	63.38	22.02	2.88	27.50	33.08	38.65	44.23	49.81	55.39	60.97				
	18	65.72	22.14	2.97	25.45	30.58	35.71	40.84	45.96	51.09	56.22	61.35			
	19	68.07	22.26	3.06	23.41	28.09	32.76	37.44	42.11	46.79	51.47	56.14	60.82	65.49	
	20	70.41	22.38	3.15	21.37	25.59	29.81	34.04	38.26	42.49	46.71	50.94	55.16	59.38	63.61
	21	72.76	22.50	3.23		23.09	26.87	30.64	34.41	38.19	41.96	45.73	49.50	53.28	57.05
	22	75.10	22.62	3.32			23.92	27.24	30.56	33.88	37.20	40.53	43.85	47.17	50.49
50	16	58.45	23.58	2.48	27.42	33.50	39.58	45.66	51.73	57.81					
	17	60.84	23.73	2.56	25.50	31.11	36.73	42.34	47.96	53.58	59.19				
	18	63.22	23.88	2.65	23.58	28.73	33.88	39.03	44.18	49.34	54.49	59.64			
	19	65.61	24.03	2.73	21.66	26.35	31.03	35.72	40.41	45.10	49.79	54.47	59.16	63.85	
	20	67.99	24.18	2.81	19.74	23.96	28.19	32.41	36.63	40.86	45.08	49.31	53.53	57.76	61.98
	21	70.38	24.33	2.89		21.58	25.34	29.10	32.86	36.62	40.38	44.14	47.90	51.66	55.42
	22	72.76	24.48	2.97			22.49	25.79	29.08	32.38	35.68	38.97	42.27	45.57	48.87
55	16	40.14	18.53	2.17	20.87	25.78	30.70	35.61							
	17	41.85	18.66	2.24	19.42	23.95	28.49	33.02	37.55						
	18	43.56	18.80	2.32	17.97	22.13	26.28	30.43	34.58	38.73	42.88				
	19	45.26	18.93	2.39	16.53	20.30	24.07	27.84	31.61	35.38	39.15	42.92			
	20	46.97	19.06	2.46	15.08	18.47	21.86	25.25	28.64	32.02	35.41	38.80	42.19	45.58	
	21	48.68	19.20	2.54		16.64	19.65	22.66	25.66	28.67	31.68	34.68	37.69	40.70	43.70
	22	50.39	19.06	2.64			17.44	20.07	22.69	25.32	27.94	30.57	33.19	35.82	38.44
Indoor Fan Power (kW)												2.25			

CAPACITY SELECTION DATA

PRV85AT

COOLING PERFORMANCE - 50%

AIR ENTERING		TOTAL CAPACITY KW	TOTAL INPUT KW	TOTAL EER 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	54.04	10.53	5.13	31.20	35.64	40.09	44.53	48.97	53.41					
	17	55.60	10.56	5.27	29.21	33.34	37.48	41.61	45.75	49.88	54.02				
	18	57.16	10.58	5.40	27.21	31.04	34.87	38.70	42.53	46.36	50.19	54.02			
	19	58.71	10.60	5.54	25.21	28.74	32.26	35.78	39.31	42.83	46.35	49.88	53.40	56.92	
	20	60.27	10.62	5.67	23.22	26.43	29.65	32.87	36.09	39.30	42.52	45.74	48.95	52.17	55.39
	21	61.83	10.64	5.81		24.13	27.04	29.95	32.86	35.77	38.69	41.60	44.51	47.42	50.33
	22	63.39	10.67	5.94			24.43	27.04	29.64	32.25	34.85	37.46	40.06	42.66	45.27
30	16	51.76	11.34	4.56	29.57	34.17	38.77	43.38	47.98						
	17	53.36	11.37	4.69	27.64	31.92	36.20	40.48	44.75	49.03	53.31				
	18	54.97	11.41	4.82	25.72	29.67	33.63	37.58	41.53	45.48	49.44	53.39			
	19	56.58	11.44	4.94	23.79	27.42	31.05	34.68	38.31	41.94	45.57	49.19	52.82	56.45	
	20	58.18	11.47	5.07	21.87	25.17	28.48	31.78	35.08	38.39	41.69	45.00	48.30	51.61	54.91
	21	59.79	11.51	5.20		22.92	25.90	28.88	31.86	34.84	37.82	40.80	43.78	46.76	49.74
	22	61.40	11.54	5.32			23.33	25.98	28.64	31.29	33.95	36.61	39.26	41.92	44.57
35	16	49.51	12.14	4.08	27.96	32.71	37.46	42.20	46.95						
	17	51.16	12.19	4.20	26.11	30.52	34.92	39.33	43.73	48.14					
	18	52.81	12.23	4.32	24.26	28.32	32.39	36.45	40.51	44.58	48.64	52.70			
	19	54.45	12.28	4.43	22.41	26.13	29.85	33.57	37.30	41.02	44.74	48.46	52.18		
	20	56.10	12.33	4.55	20.56	23.94	27.32	30.70	34.08	37.46	40.84	44.22	47.60	50.98	54.36
	21	57.75	12.37	4.67		21.75	24.78	27.82	30.86	33.90	36.94	39.97	43.01	46.05	49.09
	22	59.40	12.42	4.78			22.25	24.95	27.64	30.34	33.04	35.73	38.43	41.12	43.82
40	16	47.54	13.27	3.58	26.15	30.98	35.81	40.64	45.47						
	17	49.23	13.33	3.69	24.40	28.87	33.35	37.82	42.30	46.78					
	18	50.92	13.39	3.80	22.64	26.76	30.88	35.00	39.12	43.25	47.37				
	19	52.61	13.45	3.91	20.89	24.65	28.42	32.18	35.95	39.72	43.48	47.25	51.01		
	20	54.30	13.51	4.02	19.13	22.54	25.95	29.36	32.77	36.19	39.60	43.01	46.42	49.83	53.24
	21	56.00	13.57	4.13		20.43	23.49	26.54	29.60	32.66	35.71	38.77	41.82	44.88	47.94
	22	57.69	13.63	4.23			21.02	23.72	26.42	29.13	31.83	34.53	37.23	39.93	42.63
45	16	45.60	14.38	3.17	24.39	29.28	34.17	39.06	43.96						
	17	47.33	14.46	3.27	22.73	27.26	31.78	36.31	40.83	45.36					
	18	49.06	14.54	3.38	21.07	25.23	29.39	33.55	37.71	41.87	46.03				
	19	50.78	14.61	3.48	19.41	23.21	27.00	30.79	34.59	38.38	42.17	45.97	49.76		
	20	52.51	14.69	3.57	17.76	21.18	24.61	28.04	31.46	34.89	38.32	41.74	45.17	48.60	52.02
	21	54.24	14.77	3.67		19.16	22.22	25.28	28.34	31.40	34.46	37.52	40.58	43.64	46.70
	22	55.97	14.85	3.77			19.83	22.52	25.22	27.91	30.60	33.30	35.99	38.69	41.38
50	16	43.69	15.48	2.82	22.66	27.60	32.53	37.46	42.39						
	17	45.45	15.58	2.92	21.11	25.66	30.22	34.77	39.33	43.88					
	18	47.21	15.68	3.01	19.55	23.73	27.91	32.09	36.27	40.45	44.63				
	19	48.97	15.77	3.10	17.99	21.80	25.60	29.40	33.20	37.01	40.81	44.61	48.42		
	20	50.73	15.87	3.20	16.44	19.86	23.29	26.72	30.14	33.57	37.00	40.42	43.85	47.28	50.70
	21	52.49	15.97	3.29		17.93	20.98	24.03	27.08	30.13	33.18	36.23	39.28	42.33	45.38
	22	54.25	16.07	3.38			18.67	21.34	24.02	26.69	29.37	32.04	34.71	37.39	40.06
55	16	30.19	12.16	2.48	17.35	21.34	25.32	29.31							
	17	31.45	12.25	2.57	16.18	19.86	23.53	27.21	30.89						
	18	32.71	12.34	2.65	15.01	18.37	21.74	25.11	28.48	31.84					
	19	33.97	12.43	2.73	13.83	16.89	19.95	23.01	26.07	29.12	32.18				
	20	35.23	12.51	2.81	12.66	15.41	18.16	20.91	23.65	26.40	29.15	31.90	34.65		
	21	36.49	12.60	2.90		13.93	16.37	18.80	21.24	23.68	26.12	28.56	31.00	33.44	35.88
	22	37.75	12.51	3.02			14.57	16.70	18.83	20.96	23.09	25.22	27.35	29.48	31.61
Indoor Fan Power (kW)												2.25			

CAPACITY SELECTION DATA

PRV85AT

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	53.61	49	53.35	48.76	53.06	48.5	52.84	48.29	52.58	48.06
-8	57.81	51.76	57.52	51.49	57.19	51.2	56.89	50.94	56.6	50.67
-6	62.05	54.55	61.68	54.22	61.31	53.9	60.95	53.58	60.54	53.22
-4	66.32	57.36	65.88	56.98	65.44	56.6	65.03	56.25	64.59	55.87
-2	70.52	60.11	70.04	59.71	69.56	59.3	69.05	58.86	68.57	58.46
0	74.75	62.89	74.23	62.46	73.69	62	73.14	61.54	72.59	61.08
2	78.55	68.47	77.97	67.97	77.35	67.43	76.73	66.89	76.12	66.36
4	81.87	76.83	81.19	76.19	80.55	75.59	79.87	74.95	79.16	74.29
6	85.16	85.16	84.45	84.45	83.75	83.75	83.25	83.25	82.47	82.47
8	89.66	89.66	89.12	89.12	88.35	88.35	87.54	87.54	86.7	86.7
10	94.62	94.62	93.78	93.78	92.91	92.91	92.04	92.04	91.13	91.13
12	99.55	99.55	98.61	98.61	97.68	97.68	96.7	96.7	95.73	95.73
14	104.72	104.72	103.68	103.68	102.61	102.61	101.57	101.57	100.49	100.49
16	109.99	109.99	108.88	108.88	107.74	107.74	106.57	106.57	105.46	105.46
18	115.49	115.49	114.28	114.28	113.08	113.08	111.87	111.87	110.56	110.56

AIRFLOW CORRECTION MULTIPLIER

% VARIATION	-20%	-15%	-10%	-5%	Nominal	5%	10%	15%	20%
INDOOR AIRFLOW (l/s)	3560	3783	4005	4228	4450	4673	4895	5118	5350
TOTAL COOLING	0.953	0.978	0.982	0.987	1.000	1.035	1.008	1.012	1.019
SENSIBLE COOLING	0.873	0.910	0.939	0.964	1.000	1.019	1.040	1.068	1.081
HEATING FACTOR	0.953	0.956	0.987	0.980	1.000	1.016	1.020	1.030	1.034

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

PRV96AT

COOLING PERFORMANCE - TruMax

AIR ENTERING		TOTAL CAPACITY KW	TOTAL INPUT KW	TOTAL EER 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	102.85	23.76	4.33	50.23	59.10	67.97	76.84	85.72	94.59					
	17	106.84	23.78	4.49	46.84	55.08	63.31	71.54	79.78	88.01	96.25	104.48			
	18	110.82	23.80	4.66	43.46	51.05	58.65	66.24	73.84	81.43	89.03	96.62	104.22		
	19	114.81	23.82	4.82	40.08	47.03	53.99	60.94	67.90	74.86	81.81	88.77	95.72	102.68	109.64
	20	118.80	23.84	4.98	36.69	43.01	49.33	55.64	61.96	68.28	74.60	80.91	87.23	93.55	99.86
	21	122.79	23.86	5.15		38.99	44.67	50.34	56.02	61.70	67.38	73.06	78.73	84.41	90.09
	22	126.78	23.87	5.31			40.01	45.04	50.08	55.12	60.16	65.20	70.24	75.28	80.32
30	16	99.83	26.17	3.82	47.70	56.68	65.66	74.64	83.62	92.60					
	17	103.60	26.18	3.96	44.44	52.76	61.08	69.40	77.72	86.04	94.36	102.68			
	18	107.37	26.19	4.10	41.18	48.84	56.50	64.16	71.82	79.48	87.14	94.80	102.46		
	19	111.14	26.21	4.24	37.92	44.92	51.92	58.92	65.92	72.92	79.93	86.93	93.93	100.93	107.93
	20	114.91	26.22	4.38	34.65	41.00	47.34	53.68	60.02	66.37	72.71	79.05	85.40	91.74	98.08
	21	118.68	26.24	4.52		37.07	42.76	48.44	54.13	59.81	65.49	71.18	76.86	82.55	88.23
	22	122.45	26.25	4.66			38.18	43.20	48.23	53.25	58.28	63.30	68.33	73.35	78.38
35	16	96.78	28.57	3.39	45.22	54.28	63.33	72.39	81.45	90.51					
	17	100.34	28.58	3.51	42.08	50.46	58.84	67.23	75.61	83.99	92.37				
	18	103.89	28.59	3.63	38.94	46.65	54.35	62.06	69.76	77.47	85.17	92.88	100.58		
	19	107.45	28.60	3.76	35.81	42.83	49.86	56.89	63.92	70.95	77.98	85.00	92.03	99.06	106.09
	20	111.01	28.61	3.88	32.67	39.02	45.37	51.72	58.07	64.43	70.78	77.13	83.48	89.83	96.18
	21	114.56	28.62	4.00		35.21	40.88	46.56	52.23	57.90	63.58	69.25	74.93	80.60	86.27
	22	118.12	28.63	4.13			36.39	41.39	46.39	51.38	56.38	61.38	66.37	71.37	76.37
40	16	92.98	31.03	3.00	42.70	51.80	60.90	70.00	79.10	88.20					
	17	96.31	31.03	3.10	39.70	48.11	56.52	64.93	73.33	81.74	90.15				
	18	99.63	31.04	3.21	36.70	44.42	52.13	59.85	67.57	75.28	83.00	90.71	98.43		
	19	102.95	31.04	3.32	33.70	40.73	47.75	54.77	61.80	68.82	75.84	82.87	89.89	96.92	
	20	106.27	31.04	3.42	30.70	37.03	43.36	49.70	56.03	62.36	68.69	75.02	81.35	87.69	94.02
	21	109.60	31.04	3.53		33.34	38.98	44.62	50.26	55.90	61.54	67.18	72.82	78.46	84.10
	22	112.92	31.05	3.64			34.60	39.54	44.49	49.44	54.38	59.33	64.28	69.23	74.17
45	16	88.27	32.64	2.70	41.52	50.94	60.37	69.80	79.23						
	17	91.34	32.63	2.80	38.56	47.25	55.95	64.65	73.35	82.05	90.75				
	18	94.40	32.63	2.89	35.60	43.57	51.54	59.51	67.48	75.45	83.42	91.39			
	19	97.47	32.62	2.99	32.64	39.88	47.12	54.36	61.60	68.84	76.08	83.32	90.56		
	20	100.53	32.62	3.08	29.68	36.19	42.70	49.21	55.72	62.23	68.75	75.26	81.77	88.28	94.79
	21	103.59	32.61	3.18		32.50	38.28	44.06	49.85	55.63	61.41	67.19	72.98	78.76	84.54
	22	106.66	32.61	3.27			33.86	38.92	43.97	49.02	54.08	59.13	64.18	69.23	74.29
50	16	78.31	31.31	2.50	37.81	46.91	56.00	65.10	74.20						
	17	80.94	31.30	2.59	35.09	43.47	51.86	60.24	68.62	77.00					
	18	83.57	31.29	2.67	32.38	40.04	47.71	55.38	63.04	70.71	78.38				
	19	86.21	31.28	2.76	29.66	36.61	43.56	50.51	57.47	64.42	71.37	78.32	85.27		
	20	88.84	31.26	2.84	26.94	33.18	39.42	45.65	51.89	58.13	64.36	70.60	76.83	83.07	
	21	91.47	31.25	2.93		29.75	35.27	40.79	46.31	51.83	57.35	62.88	68.40	73.92	79.44
	22	94.10	31.24	3.01			31.12	35.93	40.73	45.54	50.35	55.15	59.96	64.77	69.57
55	16	55.67	25.57	2.18	29.02	36.27	43.52	50.76							
	17	57.45	25.55	2.25	26.96	33.63	40.30	46.97	53.64						
	18	59.24	25.54	2.32	24.91	31.00	37.09	43.18	49.27	55.35					
	19	61.03	25.52	2.39	22.85	28.36	33.87	39.38	44.89	50.40	55.92				
	20	62.81	25.50	2.46	20.79	25.72	30.66	35.59	40.52	45.45	50.39	55.32	60.25		
	21	64.60	25.49	2.53		23.09	27.44	31.79	36.15	40.50	44.86	49.21	53.56	57.92	62.27
	22	66.39	25.50	2.60			24.23	28.00	31.78	35.55	39.33	43.10	46.88	50.65	54.43
Indoor Fan Power (kW)												3.25			

CAPACITY SELECTION DATA

PRV96AT

COOLING PERFORMANCE - 100%

AIR ENTERING		TOTAL CAPACITY KW	TOTAL INPUT KW	TOTAL EER 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	95.01	21.52	4.41	48.65	57.22	65.80	74.37	82.95	91.52					
	17	98.68	21.54	4.58	45.38	53.34	61.29	69.25	77.21	85.17	93.12				
	18	102.36	21.55	4.75	42.11	49.45	56.79	64.13	71.47	78.81	86.15	93.49	100.83		
	19	106.03	21.57	4.92	38.84	45.56	52.28	59.01	65.73	72.45	79.17	85.90	92.62	99.34	
	20	109.71	21.59	5.08	35.57	41.68	47.78	53.89	59.99	66.09	72.20	78.30	84.41	90.51	96.62
	21	113.39	21.60	5.25		37.79	43.28	48.76	54.25	59.74	65.23	70.71	76.20	81.69	87.17
	22	117.06	21.62	5.41			38.77	43.64	48.51	53.38	58.25	63.12	67.99	72.86	77.73
30	16	92.23	23.70	3.89	46.21	54.89	63.56	72.24	80.92	89.60					
	17	95.70	23.71	4.04	43.06	51.10	59.14	67.18	75.22	83.26	91.30				
	18	99.17	23.72	4.18	39.90	47.31	54.71	62.11	69.52	76.92	84.32	91.73	99.13		
	19	102.65	23.73	4.32	36.75	43.52	50.28	57.05	63.82	70.58	77.35	84.12	90.88	97.65	
	20	106.12	23.75	4.47	33.60	39.73	45.86	51.99	58.12	64.25	70.38	76.51	82.64	88.77	94.90
	21	109.59	23.76	4.61		35.94	41.43	46.92	52.42	57.91	63.40	68.90	74.39	79.88	85.38
	22	113.07	23.77	4.76			37.01	41.86	46.72	51.57	56.43	61.29	66.14	71.00	75.85
35	16	89.42	25.88	3.46	43.81	52.56	61.32	70.07	78.83	87.58					
	17	92.70	25.88	3.58	40.78	48.88	56.98	65.08	73.18	81.28	89.38				
	18	95.97	25.89	3.71	37.74	45.19	52.64	60.08	67.53	74.98	82.42	89.87			
	19	99.25	25.90	3.83	34.71	41.51	48.30	55.09	61.88	68.67	75.47	82.26	89.05	95.84	
	20	102.53	25.91	3.96	31.68	37.82	43.96	50.10	56.23	62.37	68.51	74.65	80.78	86.92	93.06
	21	105.80	25.92	4.08		34.13	39.62	45.10	50.59	56.07	61.55	67.04	72.52	78.00	83.49
	22	109.08	25.92	4.21			35.28	40.11	44.94	49.77	54.60	59.42	64.25	69.08	73.91
40	16	85.92	28.10	3.06	41.38	50.17	58.97	67.76	76.56	85.35					
	17	88.98	28.11	3.17	38.48	46.60	54.73	62.86	70.98	79.11	87.23				
	18	92.04	28.11	3.27	35.58	43.04	50.49	57.95	65.41	72.86	80.32	87.78			
	19	95.10	28.11	3.38	32.68	39.47	46.26	53.04	59.83	66.62	73.41	80.19	86.98	93.77	
	20	98.17	28.11	3.49	29.78	35.90	42.02	48.14	54.26	60.37	66.49	72.61	78.73	84.85	90.97
	21	101.23	28.11	3.60		32.33	37.78	43.23	48.68	54.13	59.58	65.03	70.48	75.93	81.38
	22	104.29	28.12	3.71			33.54	38.32	43.11	47.89	52.67	57.45	62.23	67.01	71.79
45	16	81.58	29.56	2.76	40.23	49.34	58.45	67.57	76.68						
	17	84.40	29.55	2.86	37.37	45.78	54.18	62.59	71.00	79.41					
	18	87.23	29.55	2.95	34.51	42.21	49.91	57.62	65.32	73.02	80.72				
	19	90.05	29.54	3.05	31.65	38.65	45.64	52.64	59.64	66.64	73.63	80.63	87.63		
	20	92.87	29.54	3.14	28.79	35.08	41.37	47.67	53.96	60.25	66.55	72.84	79.13	85.42	91.72
	21	95.70	29.53	3.24		31.52	37.11	42.69	48.28	53.87	59.46	65.05	70.63	76.22	81.81
	22	98.52	29.53	3.34			32.84	37.72	42.60	47.49	52.37	57.25	62.14	67.02	71.90
50	16	78.31	31.31	2.50	37.81	46.91	56.00	65.10	74.20						
	17	80.94	31.30	2.59	35.09	43.47	51.86	60.24	68.62	77.00					
	18	83.57	31.29	2.67	32.38	40.04	47.71	55.38	63.04	70.71	78.38				
	19	86.21	31.28	2.76	29.66	36.61	43.56	50.51	57.47	64.42	71.37	78.32	85.27		
	20	88.84	31.26	2.84	26.94	33.18	39.42	45.65	51.89	58.13	64.36	70.60	76.83	83.07	
	21	91.47	31.25	2.93		29.75	35.27	40.79	46.31	51.83	57.35	62.88	68.40	73.92	79.44
	22	94.10	31.24	3.01			31.12	35.93	40.73	45.54	50.35	55.15	59.96	64.77	69.57
55	16	55.67	25.57	2.18	29.02	36.27	43.52	50.76							
	17	57.45	25.55	2.25	26.96	33.63	40.30	46.97	53.64						
	18	59.24	25.54	2.32	24.91	31.00	37.09	43.18	49.27	55.35					
	19	61.03	25.52	2.39	22.85	28.36	33.87	39.38	44.89	50.40	55.92				
	20	62.81	25.50	2.46	20.79	25.72	30.66	35.59	40.52	45.45	50.39	55.32	60.25		
	21	64.60	25.49	2.53		23.09	27.44	31.79	36.15	40.50	44.86	49.21	53.56	57.92	62.27
	22	66.39	25.50	2.60			24.23	28.00	31.78	35.55	39.33	43.10	46.88	50.65	54.43
Indoor Fan Power (kW)														3.25	

CAPACITY SELECTION DATA

PRV96AT

COOLING PERFORMANCE - 75%

AIR ENTERING		TOTAL CAPACITY KW	TOTAL INPUT KW	TOTAL EER 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	75.48	15.23	4.96	41.50	48.73	55.95	63.18	70.41							
	17	78.37	15.24	5.14	38.75	45.45	52.16	58.86	65.57	72.27						
	18	81.26	15.25	5.33	35.99	42.18	48.36	54.55	60.73	66.92	73.10	79.29				
	19	84.16	15.27	5.51	33.24	38.90	44.57	50.23	55.90	61.56	67.23	72.89	78.55			
	20	87.05	15.28	5.70	30.48	35.63	40.77	45.92	51.06	56.20	61.35	66.49	71.64	76.78	81.92	
	21	89.94	15.29	5.88		32.35	36.98	41.60	46.22	50.85	55.47	60.10	64.72	69.34	73.97	
	22	92.84	15.30	6.07			33.18	37.28	41.39	45.49	49.59	53.70	57.80	61.91	66.01	
30	16	73.29	16.77	4.37	39.45	46.76	54.07	61.38	68.70							
	17	76.02	16.78	4.53	36.79	43.57	50.34	57.12	63.89	70.67						
	18	78.76	16.79	4.69	34.14	40.37	46.61	52.85	59.09	65.33	71.57	77.80				
	19	81.49	16.80	4.85	31.48	37.18	42.88	48.58	54.29	59.99	65.69	71.39	77.09			
	20	84.23	16.81	5.01	28.82	33.99	39.15	44.32	49.48	54.65	59.81	64.98	70.14	75.31	80.47	
	21	86.96	16.82	5.17		30.79	35.42	40.05	44.68	49.31	53.94	58.57	63.19	67.82	72.45	
	22	89.69	16.82	5.33			31.69	35.79	39.88	43.97	48.06	52.15	56.24	60.34	64.43	
35	16	71.08	18.31	3.88	37.42	44.80	52.18	59.56	66.93							
	17	73.66	18.32	4.02	34.87	41.70	48.52	55.35	62.17	69.00						
	18	76.24	18.32	4.16	32.32	38.59	44.87	51.14	57.41	63.69	69.96					
	19	78.82	18.33	4.30	29.76	35.49	41.21	46.93	52.65	58.38	64.10	69.82	75.55			
	20	81.40	18.34	4.44	27.21	32.38	37.55	42.72	47.90	53.07	58.24	63.41	68.58	73.75	78.93	
	21	83.98	18.34	4.58		29.27	33.89	38.52	43.14	47.76	52.38	57.00	61.62	66.24	70.86	
	22	86.56	18.35	4.72			30.24	34.31	38.38	42.45	46.51	50.58	54.65	58.72	62.79	
40	16	68.32	19.89	3.44	35.38	42.79	50.20	57.61	65.02							
	17	70.73	19.89	3.56	32.93	39.78	46.63	53.48	60.32	67.17						
	18	73.14	19.89	3.68	30.49	36.77	43.06	49.34	55.62	61.91	68.19					
	19	75.55	19.89	3.80	28.05	33.77	39.49	45.21	50.93	56.65	62.37	68.09	73.81			
	20	77.96	19.90	3.92	25.60	30.76	35.92	41.07	46.23	51.38	56.54	61.70	66.85	72.01	77.16	
	21	80.37	19.90	4.04		27.75	32.35	36.94	41.53	46.12	50.72	55.31	59.90	64.49	69.09	
	22	82.78	19.90	4.16			28.78	32.80	36.83	40.86	44.89	48.92	52.95	56.98	61.01	
45	16	64.91	20.92	3.10	34.41	42.09	49.77	57.44								
	17	67.13	20.92	3.21	32.00	39.08	46.17	53.25	60.34							
	18	69.35	20.91	3.32	29.59	36.08	42.57	49.06	55.55	62.04	68.53					
	19	71.58	20.91	3.42	27.18	33.08	38.97	44.87	50.77	56.66	62.56	68.45				
	20	73.80	20.91	3.53	24.77	30.07	35.38	40.68	45.98	51.28	56.59	61.89	67.19	72.49		
	21	76.02	20.90	3.64		27.07	31.78	36.49	41.19	45.90	50.61	55.32	60.03	64.74	69.45	
	22	78.24	20.90	3.74			28.18	32.29	36.41	40.52	44.64	48.75	52.87	56.98	61.10	
50	16	62.34	22.16	2.81	32.37	40.04	47.70	55.37								
	17	64.41	22.15	2.91	30.08	37.14	44.21	51.27	58.33							
	18	66.48	22.14	3.00	27.79	34.25	40.71	47.17	53.63	60.09						
	19	68.55	22.14	3.10	25.50	31.36	37.22	43.08	48.93	54.79	60.65	66.51				
	20	70.62	22.13	3.19	23.21	28.47	33.72	38.98	44.23	49.49	54.74	60.00	65.25	70.51		
	21	72.69	22.12	3.29		25.58	30.23	34.88	39.53	44.19	48.84	53.49	58.14	62.80	67.45	
	22	74.76	22.11	3.38			26.74	30.79	34.84	38.89	42.94	46.99	51.04	55.08	59.13	
55	16	44.51	18.09	2.46	24.97	31.07	37.18	43.29								
	17	45.92	18.08	2.54	23.23	28.85	34.47	40.09	45.71							
	18	47.32	18.07	2.62	21.50	26.63	31.76	36.89	42.02	47.15						
	19	48.73	18.06	2.70	19.76	24.41	29.05	33.70	38.34	42.98	47.63					
	20	50.14	18.05	2.78	18.03	22.19	26.34	30.50	34.66	38.81	42.97	47.12				
	21	51.54	18.04	2.86		19.96	23.63	27.30	30.97	34.64	38.31	41.98	45.65	49.31		
	22	52.95	18.05	2.93			20.92	24.11	27.29	30.47	33.65	36.83	40.01	43.19	46.37	
Indoor Fan Power (kW)														3.25		

CAPACITY SELECTION DATA

PRV96AT

COOLING PERFORMANCE - 50%

AIR ENTERING		TOTAL CAPACITY KW	TOTAL INPUT KW	TOTAL EER 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	52.77	10.41	5.07	33.00	38.62	44.23	49.85								
	17	54.75	10.42	5.25	30.86	36.07	41.28	46.50	51.71							
	18	56.73	10.43	5.44	28.71	33.52	38.33	43.14	47.95	52.76						
	19	58.72	10.44	5.62	26.57	30.98	35.38	39.79	44.19	48.59	53.00	57.40				
	20	60.70	10.45	5.81	24.43	28.43	32.43	36.43	40.43	44.43	48.43	52.43	56.43	60.43		
	21	62.68	10.45	6.00		25.88	29.48	33.07	36.67	40.26	43.86	47.46	51.05	54.65	58.24	
	22	64.67	10.46	6.18			26.53	29.72	32.91	36.10	39.29	42.48	45.67	48.86	52.05	
30	16	51.26	11.47	4.47	31.40	37.09	42.77	48.46								
	17	53.14	11.47	4.63	29.33	34.60	39.87	45.14	50.41							
	18	55.01	11.48	4.79	27.27	32.12	36.97	41.82	46.67	51.52						
	19	56.89	11.49	4.95	25.20	29.64	34.07	38.50	42.94	47.37	51.81	56.24				
	20	58.76	11.49	5.11	23.14	27.15	31.17	35.19	39.20	43.22	47.24	51.25	55.27			
	21	60.64	11.50	5.27		24.67	28.27	31.87	35.47	39.07	42.67	46.27	49.86	53.46	57.06	
	22	62.51	11.50	5.43			25.37	28.55	31.73	34.91	38.10	41.28	44.46	47.64	50.82	
35	16	49.75	12.52	3.97	29.82	35.56	41.30	47.04								
	17	51.52	12.53	4.11	27.84	33.15	38.45	43.76	49.07							
	18	53.29	12.53	4.25	25.85	30.73	35.61	40.49	45.37	50.25						
	19	55.05	12.53	4.39	23.87	28.32	32.77	37.22	41.67	46.12	50.57	55.02				
	20	56.82	12.54	4.53	21.88	25.90	29.92	33.95	37.97	41.99	46.01	50.03	54.05			
	21	58.59	12.54	4.67		23.49	27.08	30.67	34.27	37.86	41.45	45.05	48.64	52.23	55.82	
	22	60.36	12.54	4.81			24.24	27.40	30.57	33.73	36.89	40.06	43.22	46.39	49.55	
40	16	47.86	13.60	3.52	28.23	34.00	39.76	45.52								
	17	49.51	13.60	3.64	26.33	31.66	36.98	42.31	47.63							
	18	51.17	13.60	3.76	24.43	29.32	34.21	39.09	43.98	48.86						
	19	52.82	13.60	3.88	22.53	26.98	31.43	35.88	40.32	44.77	49.22					
	20	54.47	13.60	4.00	20.63	24.64	28.65	32.66	36.67	40.68	44.69	48.70	52.71			
	21	56.12	13.60	4.13		22.30	25.88	29.45	33.02	36.59	40.16	43.73	47.30	50.87	54.45	
	22	57.77	13.61	4.25			23.10	26.23	29.37	32.50	35.63	38.76	41.90	45.03	48.16	
45	16	45.52	14.30	3.18	27.48	33.45	39.42	45.39								
	17	47.04	14.30	3.29	25.61	31.12	36.62	42.13								
	18	48.57	14.30	3.40	23.73	28.78	33.83	38.87	43.92							
	19	50.09	14.30	3.50	21.86	26.44	31.03	35.61	40.20	44.78	49.37					
	20	51.61	14.29	3.61	19.98	24.11	28.23	32.36	36.48	40.60	44.73	48.85				
	21	53.14	14.29	3.72		21.77	25.43	29.10	32.76	36.42	40.08	43.74	47.40	51.07		
	22	54.66	14.29	3.83			22.64	25.84	29.04	32.24	35.44	38.64	41.84	45.04	48.23	
50	16	43.76	15.15	2.89	25.90	31.86	37.82									
	17	45.18	15.15	2.98	24.12	29.61	35.10	40.59								
	18	46.60	15.14	3.08	22.34	27.36	32.38	37.41	42.43							
	19	48.02	15.14	3.17	20.56	25.11	29.67	34.22	38.78	43.33	47.89					
	20	49.44	15.13	3.27	18.78	22.86	26.95	31.03	35.12	39.21	43.29	47.38				
	21	50.86	15.12	3.36		20.61	24.23	27.85	31.47	35.08	38.70	42.32	45.94	49.56		
	22	52.28	15.12	3.46			21.51	24.66	27.81	30.96	34.11	37.26	40.41	43.56	46.71	
55	16	31.54	12.37	2.55	20.14	24.89	29.63									
	17	32.50	12.36	2.63	18.79	23.16	27.53	31.90								
	18	33.46	12.36	2.71	17.44	21.43	25.42	29.41	33.40							
	19	34.43	12.35	2.79	16.09	19.70	23.31	26.93	30.54	34.15						
	20	35.39	12.34	2.87	14.74	17.98	21.21	24.44	27.67	30.90	34.14					
	21	36.36	12.33	2.95		16.25	19.10	21.95	24.81	27.66	30.51	33.37	36.22			
	22	37.32	12.34	3.02			16.99	19.47	21.94	24.42	26.89	29.36	31.84	34.31	36.78	
Indoor Fan Power (kW)														3.25		

CAPACITY SELECTION DATA

PRV96AT

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	62.45	59.96	62.15	59.67	61.81	59.34	61.55	59.09	61.24	58.79
-8	66.82	60.83	66.47	60.51	66.09	60.16	65.74	59.85	65.40	59.53
-6	71.22	61.72	70.80	61.35	70.37	60.99	69.94	60.62	69.48	60.21
-4	75.66	62.65	75.16	62.23	74.65	61.81	74.18	61.42	73.68	61.00
-2	80.02	63.50	79.48	63.06	78.93	62.63	78.34	62.17	77.80	61.73
0	84.42	64.38	83.83	63.93	83.21	63.45	82.59	62.98	81.96	62.50
2	88.39	70.93	87.73	70.40	87.03	69.84	86.33	69.28	85.63	68.72
4	91.89	83.15	91.12	82.46	90.39	81.80	89.62	81.10	88.82	80.37
6	95.34	95.34	94.54	94.54	93.75	93.75	93.18	93.18	92.31	92.31
8	100.41	100.41	99.81	99.81	98.93	98.93	98.03	98.03	97.08	97.08
10	106.01	106.01	105.07	105.07	104.08	104.08	103.10	103.10	102.08	102.08
12	111.58	111.58	110.52	110.52	109.46	109.46	108.36	108.36	107.26	107.26
14	117.40	117.40	116.23	116.23	115.02	115.02	113.85	113.85	112.64	112.64
16	123.35	123.35	122.10	122.10	120.81	120.81	119.49	119.49	118.24	118.24
18	129.55	129.55	128.19	128.19	126.83	126.83	125.47	125.47	123.99	123.99

AIRFLOW CORRECTION MULTIPLIER

% VARIATION	-20%	-15%	-10%	-5%	Nominal	5%	10%	15%	20%
INDOOR AIRFLOW (l/s)	4000	4250	4500	4750	5000	5250	5500	5750	6000
TOTAL COOLING	0.965	0.982	0.989	0.997	1.000	1.004	1.009	1.015	1.02
SENSIBLE COOLING	0.884	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:

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.

INDOOR FAN DATA

PRV72AT

FAN 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
1*	1000	32	350	39	211	47	365	53	456	58	607	64	716	68	900	72	1068	76	1160	78	1360
	1500	41	413	47	421	53	568	58	709	63	873	67	1028	71	1202	75	1390	78	1542	82	1749
2*	1700	45	439	50	510	56	654	61	815	65	985	69	1160	73	1329	77	1525	80	1702	84	1912
	2000	50	475	55	631	59	772	64	961	68	1139	72	1341	75	1504	79	1712	83	1924	87	2137
	2500	60	756	64	932	68	1139	71	1302	75	1523	78	1695	82	1927	85	2105	88	2332	91	2560
	3000	70	1145	73	1343	76	1534	79	1709	83	1979	86	2199	89	2434	92	2682	96	3022	98	3189
3*	3500	79	1545	82	1780	85	2016	88	2281	91	2558	94	2856	96	3055	98	3253	MOTOR /BLOWER LIMIT			
	3800	85.6	1969	88	2189	91	2472	93	2704	96	2940	98	3184								
	4000	90	2251	92	2461	95	2776	97	2985	99	3195										
	4500	99	2854																		

* 1 Airflow during compressor OFF operation.

2 Airflow during Safe Mode, see the fan curve for detailed information.

3 Capacity Selection Range - See the Airflow Correction Multiplier for details.

NOTES:

% Speed = Indoor Fan Speed Control Setting, in percent

W = Indoor Fan Power, Watts

 Bold data in the box indicates Factory Default Setting.

High speed limit may be outside the fan curves at lower static condition which needs to be taken care while operating the unit.

Indoor Fan % SPD Limits	
High Spd. Limit (%)	99
Low Spd. Limit (%)	32

INDOOR FAN DATA

PRV85AT

FAN DATA																			
AIRFLOW (l/s)		EXTERNAL STATIC PRESSURE (Pa)																	
		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
1*	1200	38	258	44	425	49	516	55	736	60	903	65	1160	69	1361	73	1589	76	1687
	1500	39	309	45	481	51	645	56	813	61	997	66	1272	70	1485	74	1722	77	1826
2*	2000	43	480	48	660	54	843	59	1038	64	1236	68	1498	73	1870	76	2019	79	2103
	2500	47	616	53	851	58	1081	62	1258	67	1574	71	1844	75	2153	78	2328	81	2543
	3000	53	831	58.1	1092	62	1316	66	1562	70	1836	74	2152	77	2404	80	2613	84	3012
	3500	58	1040	62	1285	66	1547	70	1841	74	2186	77	2457	80	2738	83	3039	87	3438
3*	4000	64	1332	68	1634	71	1880	74	2166	78	2541	81	2844	84	3183	87	3527	91	4020
	4450	69	1615	72	1907	76	2275	79	2550	82	2922	85	3271	87	3531	90	3925	94	4429
	4500	70	1680	73	1974	76	2275	79	2593	82	2922	85	3271	88	3658	91	4068	95	4540
	5000	75	2027	78	2350	81	2706	84	3078	87	3465	89	3750	92	4177	95	4634	98	5029
	5350	79	2291	82	2655	85	3079	88	3496	90	3811	93	4343	96	4732	98	5042		

* 1 Airflow during compressor OFF operation.

2 Airflow during Safe Mode, see the fan curve for detailed information.

3 Capacity Selection Range - See the Airflow Correction Multiplier for details.

NOTES:

% Speed = Indoor Fan Speed Control Setting, in percent

W = Indoor Fan Power, Watts

 Bold data in the box indicates Factory Default Setting.

High speed limit may be outside the fan curves at lower static condition which needs to be taken care while operating the unit.

Indoor Fan % SPD Limits	
High Spd. Limit (%)	99
Low Spd. Limit (%)	38

INDOOR FAN DATA

PRV96AT

FAN DATA																			
AIRFLOW (l/s)		EXTERNAL STATIC PRESSURE (Pa)																	
		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
1*	1250	40	390	45	501	51	651	56	816	60	904	65	1181	69	1399	73	1686	76	1774
	1500	41	439	46	551	52	752	57	924	61	1005	66	1306	70	1540	74	1837	77	1947
	2000	44	536	49	700	54	887	59	1069	64	1308	68	1554	72	1823	76	2140	79	2293
2*	2500	48	671	53	882	58	1113	62	1296	67	1611	71	1909	75	2248	78	2443	81	2637
	3000	53	859	57	1064	62	1339	66	1603	70	1913	74	2228	77	2471	80	2745	83	2980
	3500	58	1069	62	1316	66	1590	70	1911	73	2166	77	2526	80	2805	83	3136	87	3614
	4000	64	1367	67	1618	71	1953	74	2227	77	2519	81	2925	84	3256	87	3659	90	4053
3*	4500	69	1682	73	2035	76	2343	79	2663	82	3013	85	3370	88	3772	91	4203	93	4527
	5000	75	2090	78	2445	81	2797	84	3182	86	3455	89	3873	92	4323	95	4800	98	5320
	5500	80	2530	83	2932	86	3337	89	3753	91	4064	94	4573	96	4917	98	5310	MOTOR /BLOWER LIMIT	
	6000	86	3180	89	3623	92	4034	94	4360	97	4969	99	5382						

- * 1 Airflow during compressor OFF operation.
 2 Airflow during Safe Mode, see the fan curve for detailed information.
 3 Capacity Selection Range - See the Airflow Correction Multiplier for details.

NOTES:

% Speed = Indoor Fan Speed Control Setting, in percent

W = Indoor Fan Power, Watts

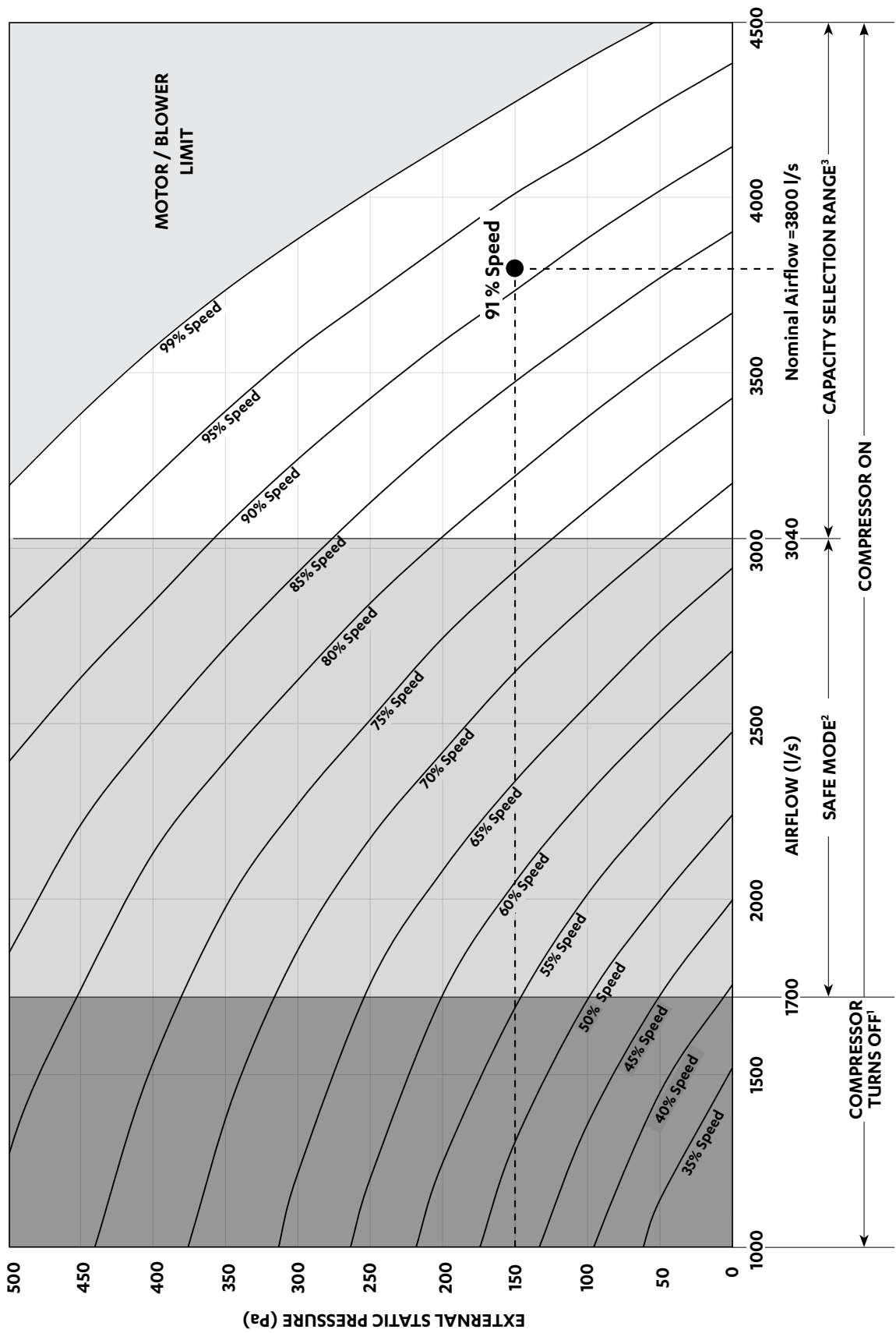
 Bold data in the box indicates Factory Default Setting.

High speed limit may be outside the fan curves at lower static condition which needs to be taken care while operating the unit.

Indoor Fan % SPD Limits	
High Spd. Limit (%)	99
Low Spd. Limit (%)	40

INDOOR FAN CURVE

PRV72AT



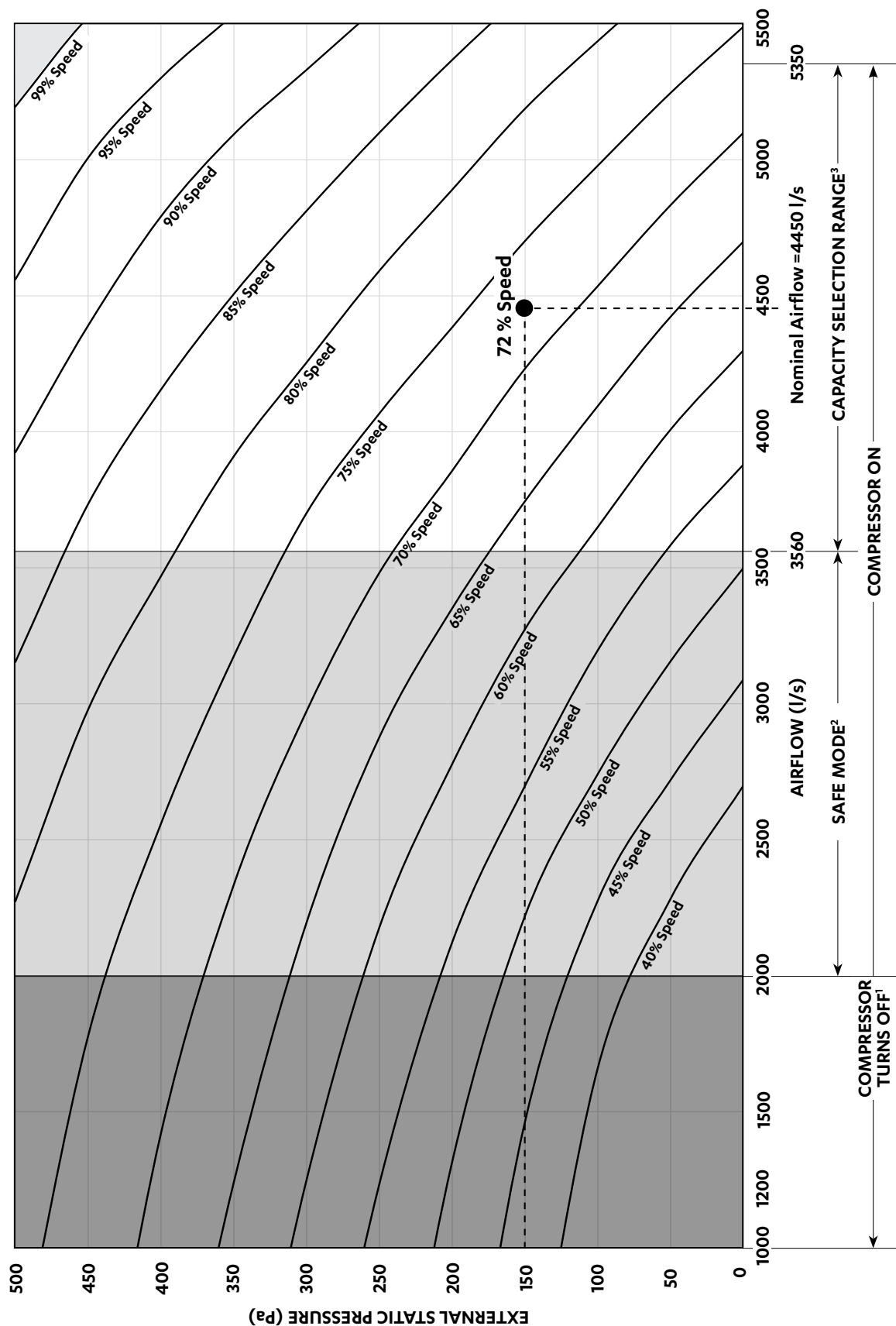
NOTE

- 1 When the airflow goes below the lower limit of the Safe Mode, the compressor turns off; the fan will continue to run.
 - 2 System safety logic may be activated
 - 3 Capacity Selection Range - See the Airflow Correction Multiplier for details.
- Fan Performance Data and Fan Curve shown is at dry coil and with no air filters installed. Consider external static pressure drop specific to your design requirements. Airflow should be reduce with respect to the moisture content in the air. Please review filter manufacturer for application. 2.5 m/s face velocity point will occur outside the application range.



INDOOR FAN CURVE

PRV85AT

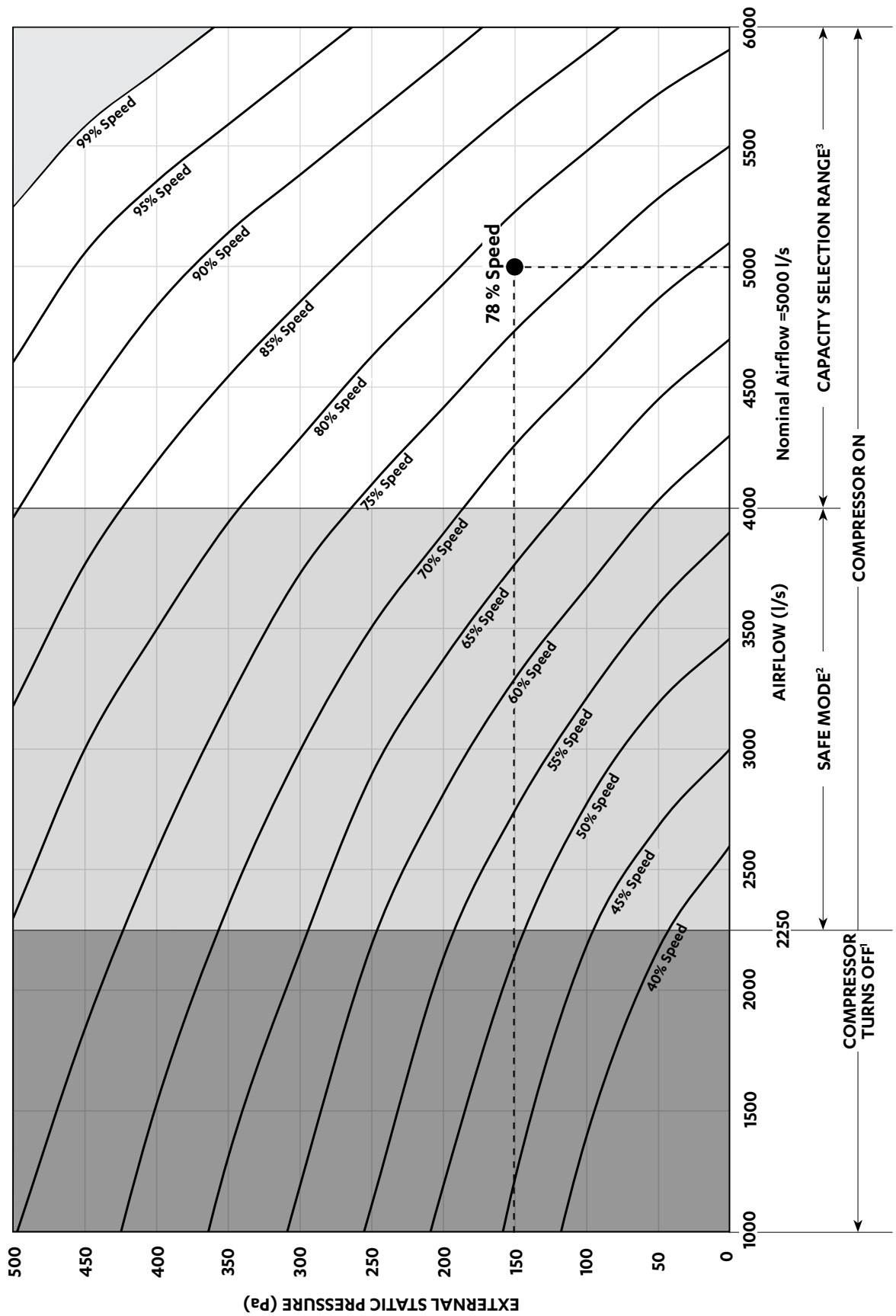


NOTE

- 1 When the airflow goes below the lower limit of the Safe Mode, the compressor turns off; the fan will continue to run.
 - 2 System safety logic may be activated
 - 3 Capacity Selection Range - See the Airflow Correction Multiplier for details.
- 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 outside the application range.

INDOOR FAN CURVE

PRV96AT

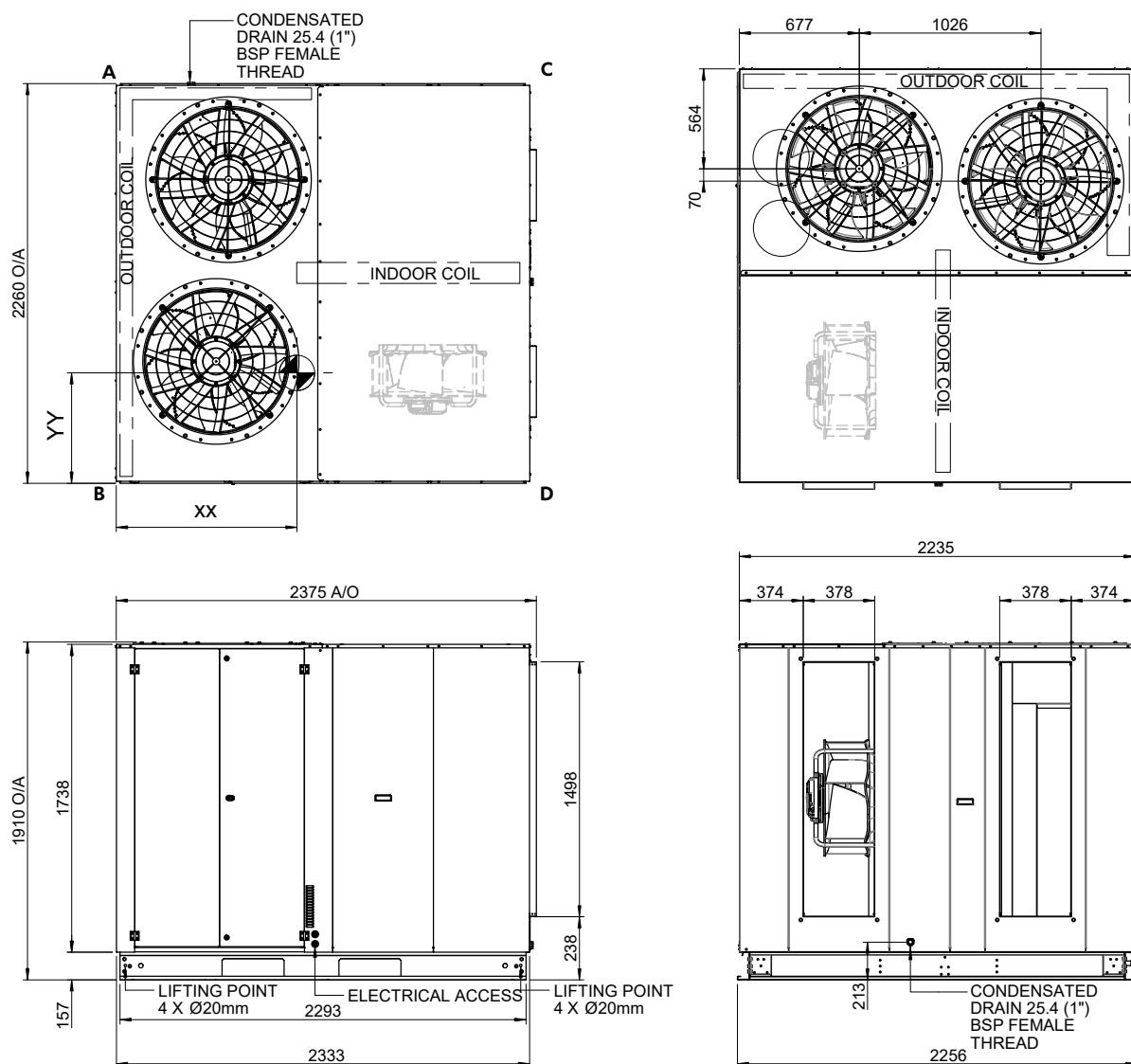


NOTE

- 1 When the airflow goes below the lower limit of the Safe Mode, the compressor turns off; the fan will continue to run.
 - 2 System safety logic may be activated
 - 3 Capacity Selection Range - See the Airflow Correction Multiplier for details.
- Fan Performance Data and Fan Curve shown is at dry coil and with no air filters installed. Consider external static pressure drop specific to your design requirements. Airflow should be reduce with respect to the moisture content in the air. Please review filter manufacturer for application. 2.5 m/s face velocity point will occur outside the application range.

UNIT DIMENSIONS

PRV72AT



Model Number	Unit Weight (kg)	Corner Weights (kg)				Centre of Gravity Position	
		A	B	C	D	XX	YY
PRV72AT	1076	187	428	278	183	1040	1136

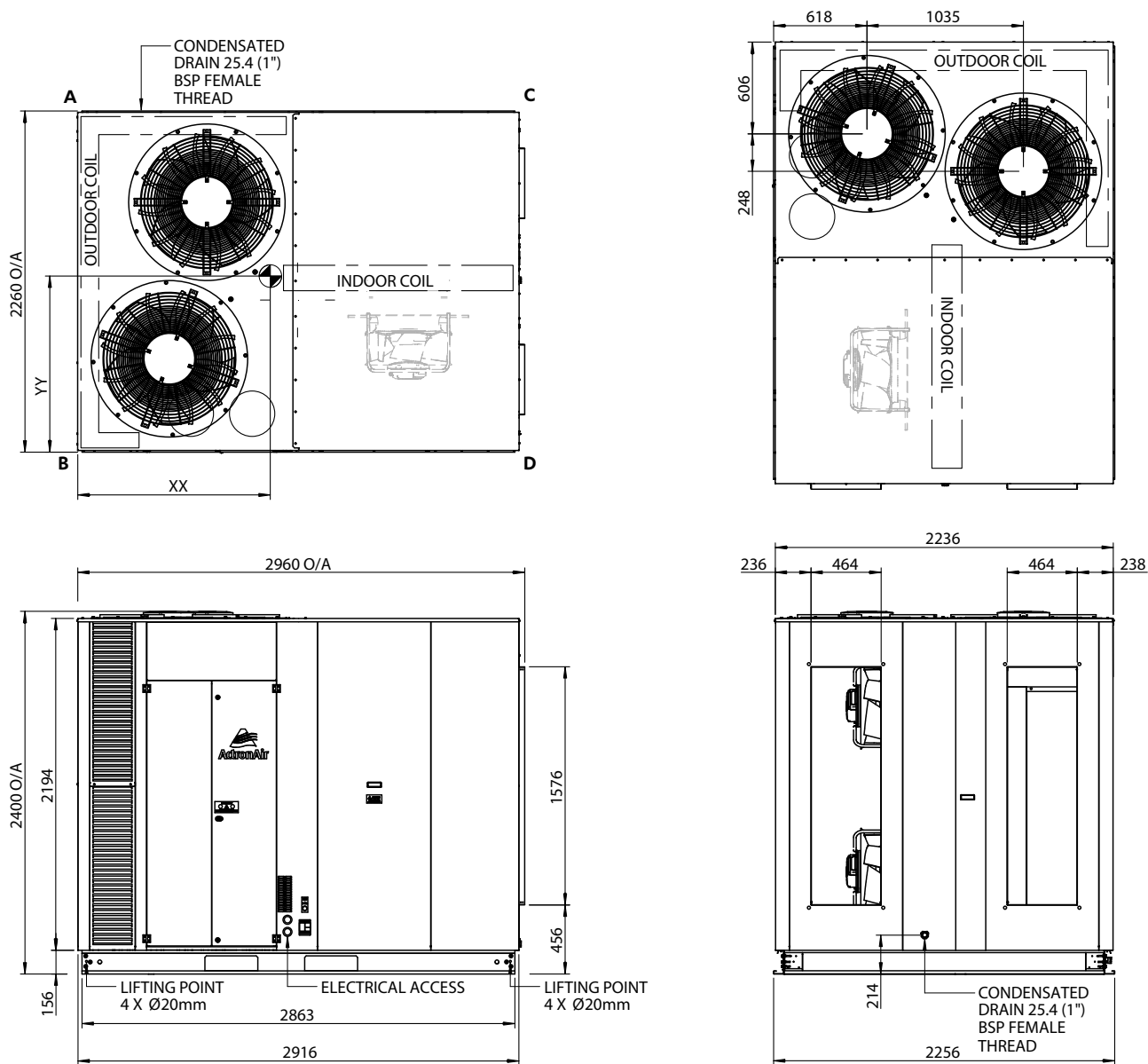
NOTES:

- Do not scale drawing. All dimensions are in mm unless otherwise specified. Refer to corresponding unit dimensional drawing for mounting hole details.
- MTG C-C DIST = Mounting Centre to Centre Distance.
- Diagrams are left handing (LFFT).
- For right handing units, layout of above are mirrored.
 - The Supply and Return Air
 - Coil and Filter Access



UNIT DIMENSIONS

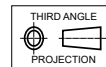
PRV85AT / PRV96AT



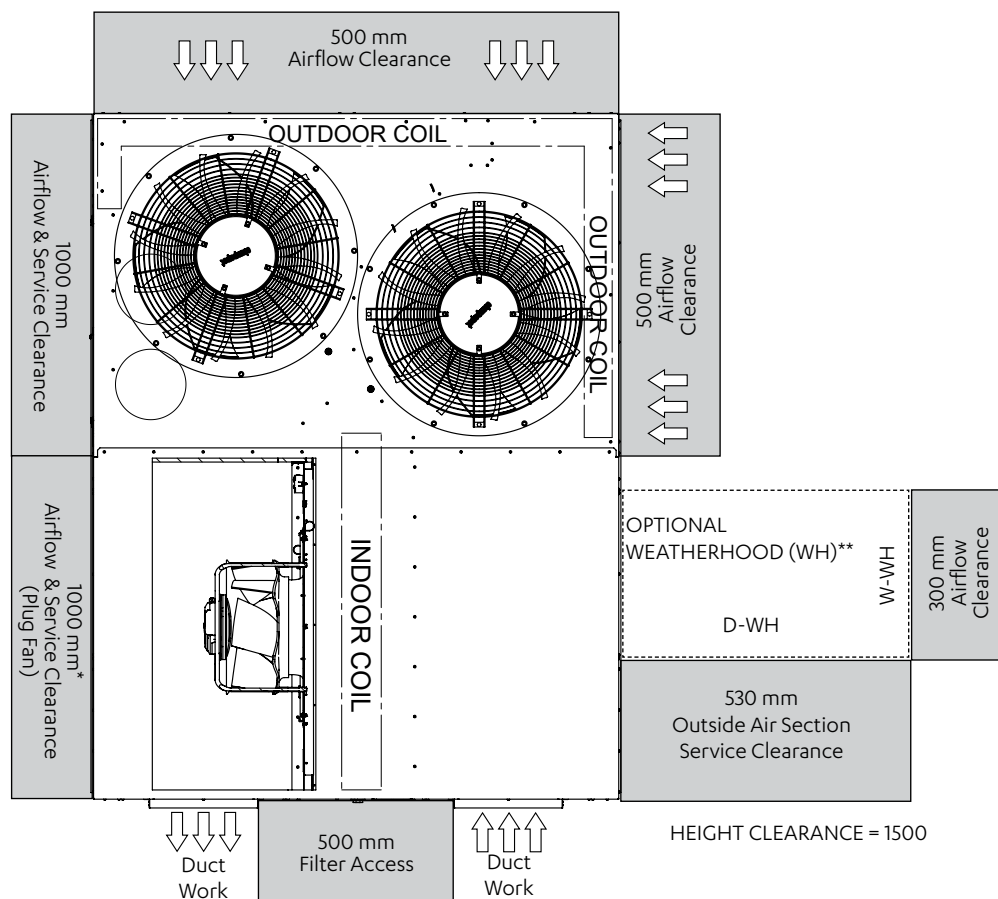
Model Number	Unit Weight (kg)	Corner Weights (kg)				Centre of Gravity Position	
		A	B	C	D	XX	YY
PRV85AT	1348	280	455	306	307	1271	1162
PRV96AT	1478	387	440	290	361	1271	1162

NOTES:

- Do not scale drawing. All dimensions are in mm unless otherwise specified. Refer to corresponding unit dimensional drawing for mounting hole details.
- MTG C-C DIST = Mounting Centre to Centre Distance.
- Diagrams are left handing (LFFT).
- For right handing units, layout of above are mirrored.
 - The Supply and Return Air
 - Coil and Filter Access



SERVICE ACCESS AREAS AND AIRFLOW CLEARANCES



Model Numbers	Weatherhood Dimensions	
	D-WH	W-WH
PRV72AT	1200	465
PRV85AT	1100	660
PRV96AT		

NOTES:

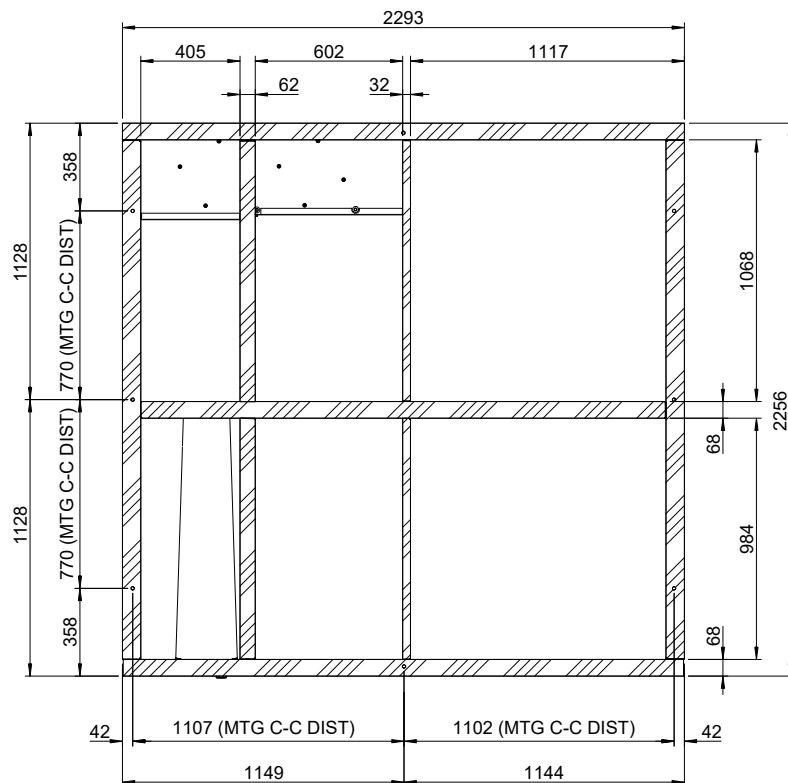
- * For reverse handing, service clearance for plug fan and airflow clearance for hood will be reversed.
- ** If the optional hood is not installed, 500 mm clearance is required for service access.
- Service Access Areas and Spaces for Airflow Clearances are suggested minimum based on the condition that the spaces around the units are free from any obstructions and a walkaway passage of 1000 mm between the units or between the unit and the outside perimeter is available.
- 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.
- Under all circumstances, condenser air must not recirculate back onto condenser coil. Keep all clearance free of any obstruction.
- STACKING OF UNITS: Ensure that minimum airflow and clearances are met.
- Diagrams are left handing.
- Installation of this unit should be in accordance with Electrical Safety Standard, AS/NZS 60335.2.40.
- 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.
- Refer to R-32 Safety Manual for minimum required area of installation.

UNIT BASE MOUNT

UNIT BASE DIMENSIONS

Down discharge/down return option shown below

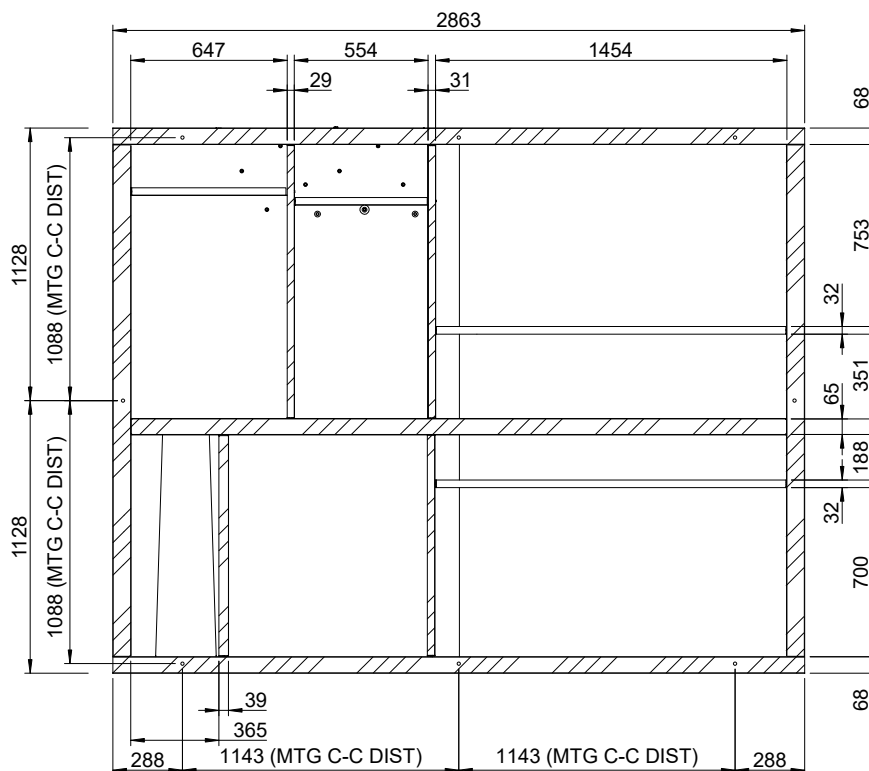
PRV72AT



NOTES:

- MTG C-C DIST = Mounting Center to Center Distance
- Use M12 bolt for feet mounting.

PRV85AT / PRV96AT



SOUND DATA

OUTDOOR RADIATED

Sound Power Level (SWL)

Model Number		Overall Sound Power Level dB(A)	Octave Band Centre Frequency (Hz), dB								Sound Pressure Level dB(A) @ 3m	
			63	125	250	500	1k	2k	4k	8k	Cooling	Heating
PRV72AT	Tru.Max	87.2	98.7	97.6	87.1	84.1	79.7	76.7	71.5	64.5	70.2	70.2
	Rated	87.2	98.7	97.6	87.1	84.1	79.7	76.7	71.5	64.5	70.2	70.2
	Quiet	80.6	84.3	82.2	81.4	77.2	76.2	71.7	65.3	59.1	63.6	63.6
PRV85AT	Tru.Max	86.0	89.5	91.4	85.2	80.9	81.7	78.2	72.5	67.0	68.5	69.0
	Rated	86.0	89.5	91.4	85.2	80.9	81.7	78.2	72.5	67.0	68.5	69.0
	Quiet	80.7	88.0	81.4	78.8	75.8	75.8	74.2	65.3	62.8	63.5	63.7
PRV96AT	Tru.Max	85.6	91.0	85.3	87.2	82.3	79.7	78.1	70.6	64.6	68.6	69.0
	Rated	84.5	90.9	83.7	87.8	81.1	78.3	75.6	69.9	63.7	67.5	68.0
	Quiet	77.5	85.4	79.4	78.2	75.0	71.6	69.7	62.5	59.0	60.5	61.0

INDOOR OUTLET

Sound Power Level (SWL)

Model Number	Airflow Setting	Airflow l/s	Sound Power Level dB(A)	Octave Band Centre Frequency (Hz), dB							
				63	125	250	500	1k	2k	4k	8k
PRV72AT	Nominal	3800	80.0	80.1	85.7	82.7	79.0	72.0	66.9	66.3	55.9
PRV85AT	Nominal	4450	78.2	77.8	84.1	78.6	76.9	71.7	68.2	62.4	52.8
PRV96AT	Nominal	5000	80.1	77.7	86.6	80.4	78.9	73.5	70.0	64.1	54.5

NOTE:

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

SPECIFICATIONS

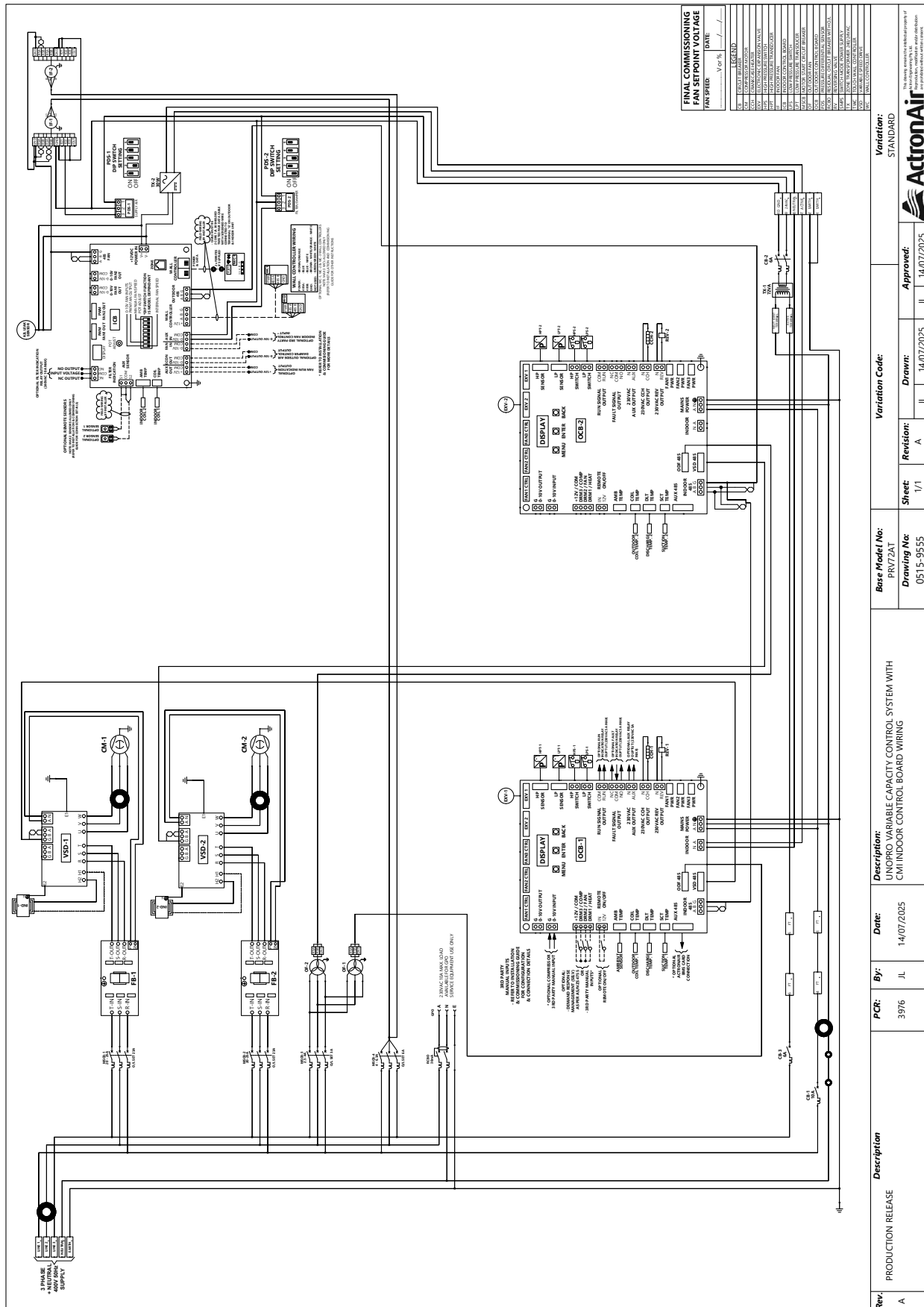
MODEL NUMBERS		PRV72AT	PRV85AT	PRV96AT
CONSTRUCTION				
CABINET	BASE	0.9 - 1.2mm Galvanised Steel	0.9 - 1.2mm Galvanised Steel	1.6 - 2.4 mm Galvanised Steel
CABINET	TOP AND SIDES	0.9 - 1.2mm Galvanised Steel	0.9 - 1.2mm Galvanised Steel	0.9 - 1.6 mm Galvanised Steel
CABINET	FOOTING	1.6 - 2.4mm Galvanised Steel	1.6 - 2.4mm Galvanised Steel	1.6 - 2.4mm Galvanised Steel
SURFACE FINISH		60-80 μ Baked Polyester Powder Coat	60-80 μ Baked Polyester Powder Coat	60 - 80 μ Baked Polyester Powder Coat
DIMENSIONAL SPECIFICATION				
Package O/A Dimensions (mm)	Depth	2375	2960	2960
	Height	1910	2400	2400
	Width	2260	2260	2260
Primary Condensate Drain Connection - Size (mm)		25.4	25.4	25.4
Safety Tray Connection - Size (mm)		n/a	n/a	25.4
Air Duct	Supply Duct H x W - (mm)	379 x 1500	464 x 1576	464 x 1576
	Return Duct H x W - (mm)	379 x 1500	464 x 1576	464 x 1576
WEIGHT (kg)		1026	1283	1473
INSULATION (INDOOR UNIT)				
Type		25mm Foil Faced Polyethylene		
OUTDOOR COIL				
TUBE TYPE		Copper - Rifle Bore Enhanced		
FIN TYPE		Aluminum Casement		
FACE AREA (m sqr)		1.30	1.90	1.83
COIL COATING		Hydrophilic Blue Fin Coil Coat Protection		
OUTDOOR FAN				
NUMBER OF FANS		2		
TYPE OF FANS		Axial / External Rotor / Direct Drive		
FAN SPEED CONTROL		Variable Speed		
MAXIMUM EXTERNAL STATIC		90		
INDOOR COIL				
TUBE TYPE		Copper - Rifle Bore Enhanced		
FIN TYPE		Aluminum Casement		
FACE AREA (m sqr)		0.94	1.37	1.340
COIL COATING		Hydrophilic Blue Fin Coil Coat Protection		
INDOOR FAN				
NUMBER OF FANS		1	2	
TYPE OF FANS		Backwards Curve Plug Fan		
DIAMETER / WIDTH (mm)		630	560	
MOTOR TYPE / DRIVE TYPE		Variable Speed EC Motor / Direct Drive		
COMPRESSOR				
NUMBER PER UNIT x TYPE		2 x Inverter Variable Speed Scroll		
STARTING METHOD		Variable Speed Drive (VSD)		

SPECIFICATIONS

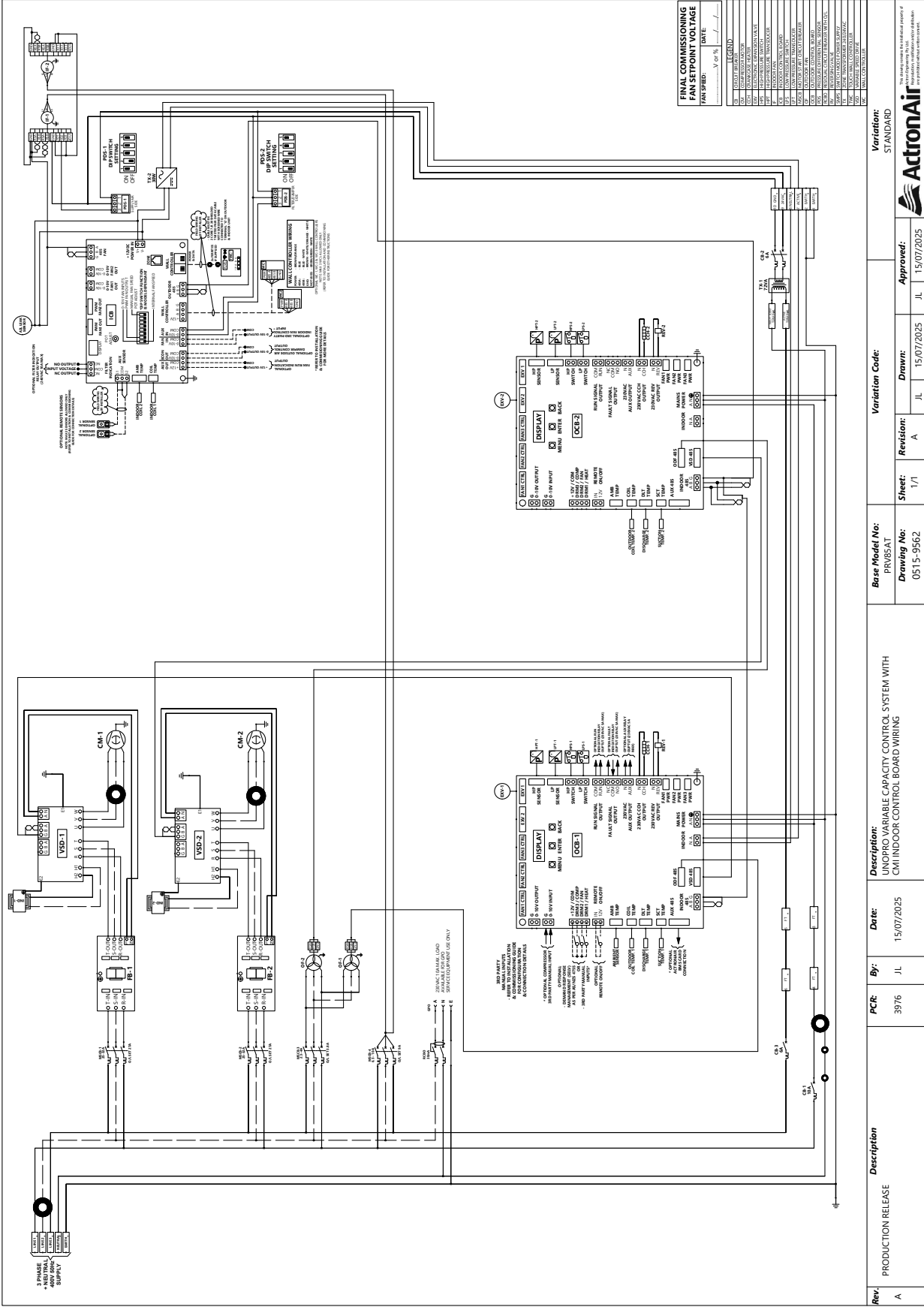
MODEL NUMBERS		PRV72AT		PRV85AT		PRV96AT	
REFRIGERATION SYSTEM							
REFRIGERANT TYPE		R32					
EXPANSION CONTROL		Electronic Expansion Valve (EEV)					
FACTORY CHARGE (grams)	Circuit-1	Circuit-2	Circuit-1	Circuit-2	Circuit-1	Circuit-2	
	8750	8750	10300	11120	14250	14500	
PRE-CHARGE LENGTH (metres)		N/A		N/A		N/A	
Minimum room area (m²) Factory charge @2.2m release height		198.69		297.67		133.10	
FILTER DRIER							
CONNECTION SIZE AND TYPE (mm)		1/2" (12.7)				3/4" / 19.2	
FACTORY SUPPLIED / FITTED		Fitted					
PROTECTION DEVICES							
HIGH AND LOW PRESSURE CUTOUT SWITCH		Nonadjustable (Automatic Reset)					
COMPRESSOR PROTECTION		Built-in Drive Protection					
INDOOR FAN PROTECTION		Built-in Drive Protection					
OUTDOOR FAN PROTECTION		Built-in Drive Protection					
SUMP HEATER WATTS During Compressor Off Cycle		50W					
ELECTRIC CONTROLS							
DEFROST METHOD		Reverse Cycle					
DEFROST TYPE		Adaptive Demand Defrost					
CONTROL FIELD WIRING		(Cat5E UTP (AWG 24) Data Cable)					
MASTER/SECONDARY CONTROLLER CABLE SPECS.		(Cat5E UTP (AWG 24) Data Cable)					
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°DB / 22°WB					
	MIN.	20°DB / 16°WB					
HEATING MODE	MAX.	24°DB					
	MIN.	16°DB					
OUTDOOR AIR INTAKE TEMPERATURE							
COOLING MODE	MAX.	57°DB					
	MIN.	5°DB					
HEATING MODE	MAX.	20°DB / 18.5°WB					
	MIN.	-15°DB					

SPECIFICATIONS

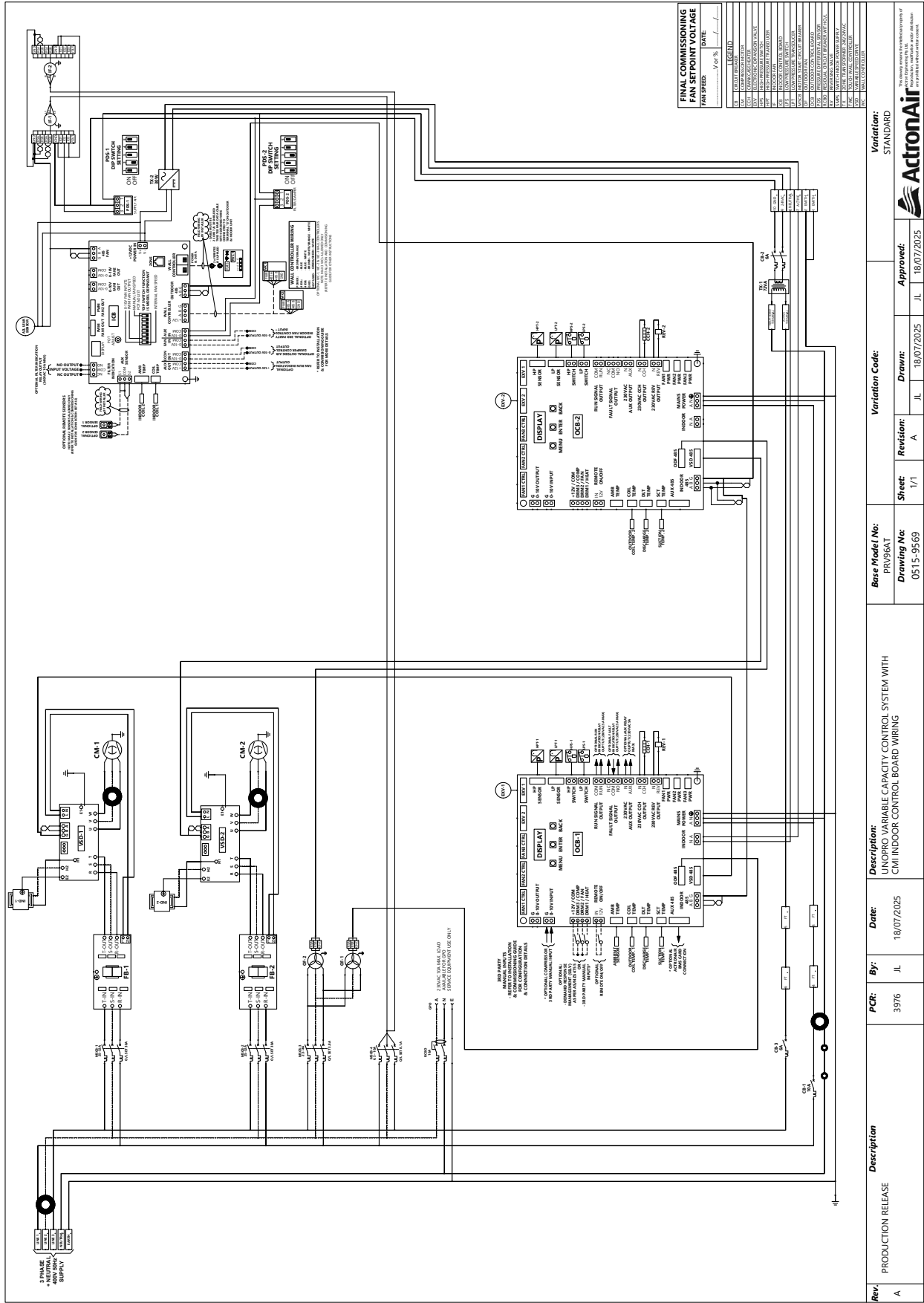
MODEL NUMBERS	PRV72AT	PRV85AT	PRV96AT
AIR FILTERS All return air including fresh air must have adequate filters supplied and fitted by the installing contractor. Filters must be located in an accessible location between the return air grille and the unit. ActronAir does not supply return air filter.			
AIR FILTER			
FILTER SIZE	24" x 24" x 4" & 24" x 16" x 4" for lengths	24" x 24" x 4"	
QUANTITY	3 and 3	6	
Note: Supplier filter may be different by a few millimeters.			



WIRING DIAGRAM - PRV85AT



WIRING DIAGRAM - PRV96AT



Variation: STANDARD



Approved: JL 18/07/2025

Variation Code: A

Drawn: JL 18/07/2025

Base Model No: PRV96AT

Drawing No: 0515-9569

Description: UNIPRO VARIABLE CAPACITY CONTROL SYSTEM WITH CMI INDOOR CONTROL BOARD WIRING

Date: 18/07/2025

By: JL

Rev: A

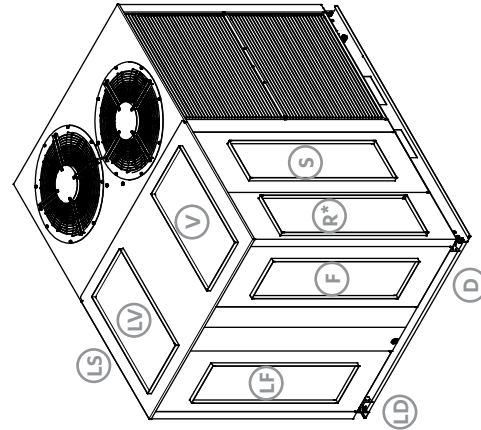
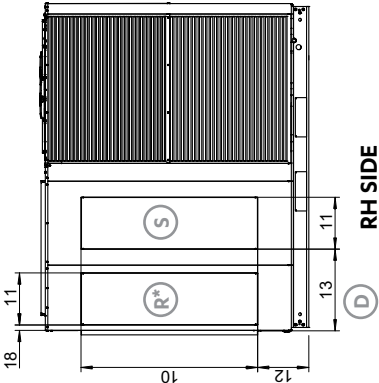
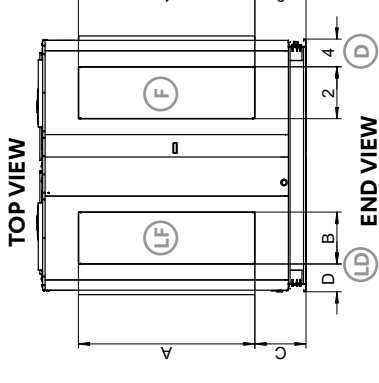
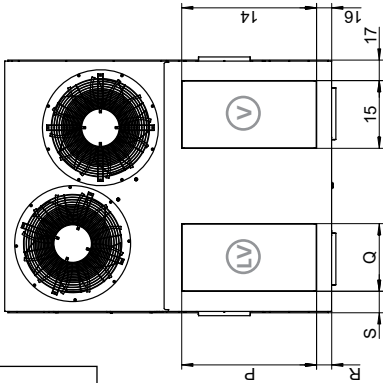
Description: PRODUCTION RELEASE



STANDARD UNIT VARIATIONS

SUPPLY OUTLET DIMENSIONS																
LF				LD				LS				LV				
A	B	C	D	E	F	G	H	K	L	M	N	P	Q	R	S	
PRV72AT	1498	378	238	385	923	576	170	166	1498	378	238	638	923	576	170	166
PRV85AT	1576	464	456	236	1192	594	183	149	1576	464	456	726	1192	594	183	149
PRV96AT	1576	464	456	236	1192	594	183	149	1576	464	456	726	1192	594	183	149

RETURN INLET DIMENSIONS																				
F				D				S				R*					V			
	1	2	3	4	5	6	7	8	10	11	12	13	10	11	12	18	14	15	16	17
PRV72AT	1498	378	238	385	923	576	170	166	1498	378	238	638	1498	378	238	82	923	576	170	166
PRV85AT	1576	464	456	238	1192	594	183	149	1576	464	456	726	1576	464	456	77	1192	594	183	149
PRV96AT	1576	464	456	238	1192	594	183	149	1576	464	456	726	1576	464	456	77	1192	594	183	149



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

NOTES

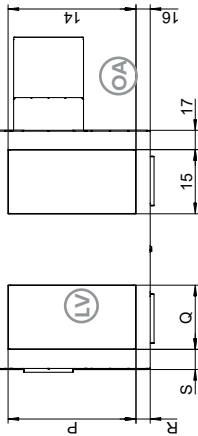
- Unit viewed from air handling end.
- Size and position of return & supply are indicative only, see table for actual size and position for each particular model.
- All flanges are outside dimensions.
- All dimensions are from outside edge of base.
- PRV96AT shown for illustration purposes only, unit may vary depending on model/capacity.
- *R: available for R Option only (3 dampers)

STANDARD PRV72-96AT
SUPPLY & RETURN
L**T VARIATIONS

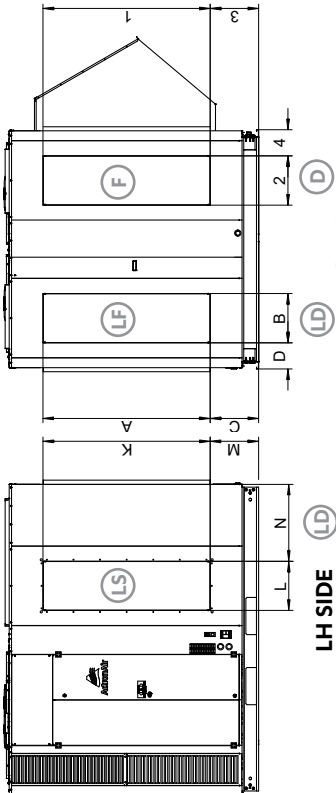
STANDARD UNIT VARIATIONS

SUPPLY OUTLET DIMENSIONS															
LF				LD				LS				LV			
A	B	C	D	E	F	G	H	K	L	M	N	P	Q	R	S
PRV72AT	1498	378	238	385	923	576	170	166	1498	378	238	638	923	576	170
PRV85AT	1576	464	456	236	1192	594	183	149	1576	464	456	726	1192	594	183
PRV96AT	1576	464	456	236	1192	594	183	149	1576	464	456	726	1192	594	183

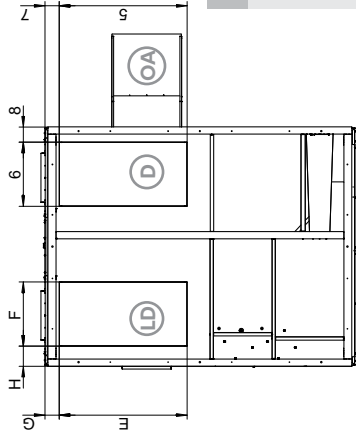
RETURN INLET DIMENSIONS																				
F							D							R*						
1	2	3	4	5	6	7	8	1	2	3	22	14	15	16	17	18	19	20	21	OA
PRV72AT	1498	378	238	385	923	576	170	166	1498	378	238	82	923	576	170	166	1502	400	326	629
PRV85AT	1576	464	456	247	1192	594	183	149	1576	464	456	77	1192	594	183	149	1706	657	407	631
PRV96AT	1576	464	456	247	1192	594	183	149	1576	464	456	77	1192	594	183	149	1706	657	407	631



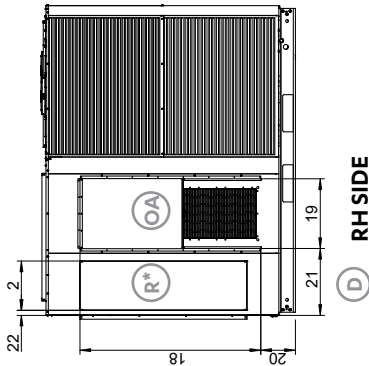
TOP VIEW



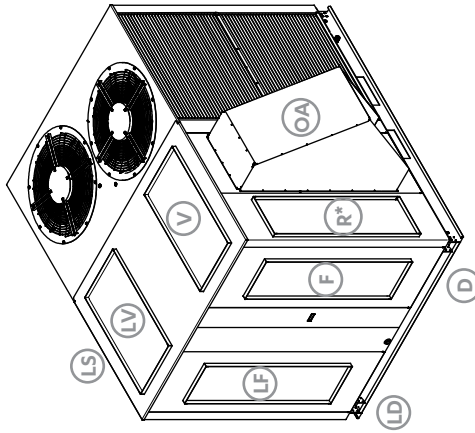
END VIEW



BOTTOM VIEW



RH SIDE



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

NOTES

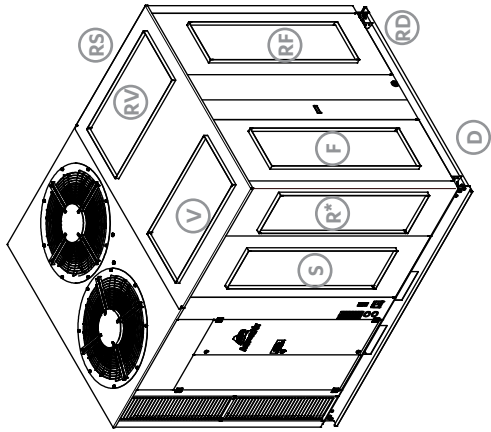
- Unit viewed from air handling end.
- Size and position of return & supply are indicative only, see table for actual size and position for each particular model.
- All flanges are outside dimensions.
- All dimensions are from outside edge of base.
- PRV96AT shown for illustration purposes only, unit may vary depending on model/capacity.
- *R: available for R Option only (3 dampers)

STANDARD PRV72-96AT
SUPPLY & RETURN
L**T-E VARIATIONS

STANDARD UNIT VARIATIONS

SUPPLY OUTLET DIMENSIONS														
RF					RD					RS				
A	B	C	D	E	F	G	H	K	L	M	N	P	Q	S
PRV72AT	1498	378	238	385	923	576	170	166	1498	378	238	638	923	576
PRV85AT	1576	464	456	236	1192	594	183	149	1576	464	456	726	1192	594
PRV96AT	1576	464	456	236	1192	594	183	149	1576	464	456	726	1192	594

RETURN INLET DIMENSIONS														
F					D					S				
1	2	3	4	5	6	7	8	10	11	12	13	10	11	12
PRV72AT	1498	378	238	385	923	576	170	166	1498	378	238	638	1498	378
PRV85AT	1576	464	456	238	1192	594	183	149	1576	464	456	726	1576	464
PRV96AT	1576	464	456	238	1192	594	183	149	1576	464	456	726	1576	464

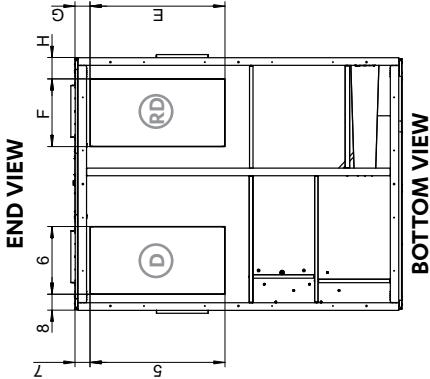
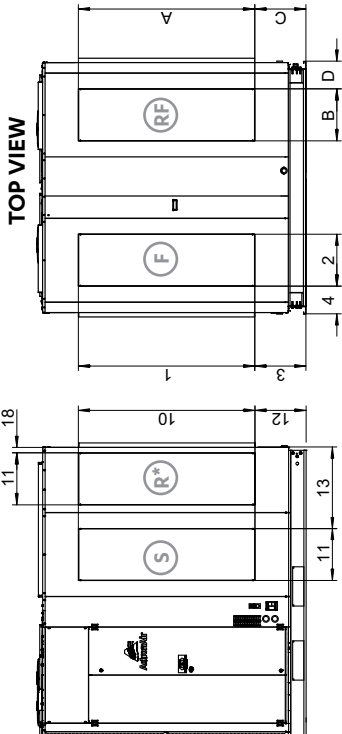
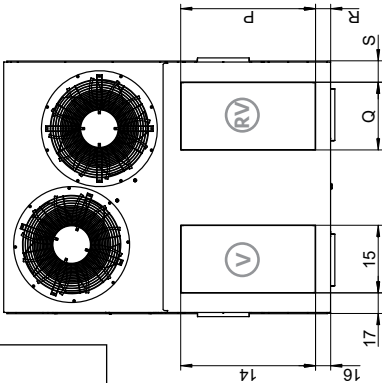


- LEGEND FOR SUPPLY POSITIONS
- RD = RIGHT DOWN SUPPLY
- RF = RIGHT FRONT SUPPLY
- RS = RIGHT SIDE SUPPLY
- RV = RIGHT VERTICAL SUPPLY
- LEGEND FOR RETURN POSITIONS
- D = LEFT DOWN RETURN
- F = LEFT FRONT RETURN
- S = LEFT SIDE RETURN
- V = LEFT VERTICAL RETURN

NOTES

- 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 dimensions are from outside edge of base.
- PRV96AT shown for illustration purposes only, unit may vary depending on model/capacity.
- *R: available for R Option only (3 dampers)

STANDARD PRV72-96AT
SUPPLY & RETURN
R**T VARIATIONS

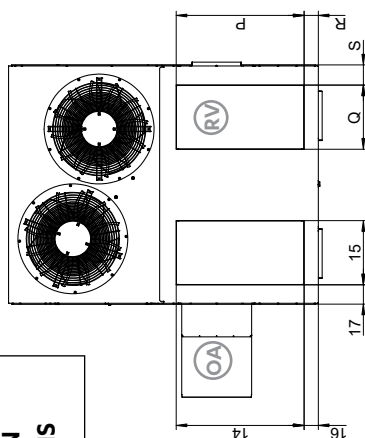


SUPPLY OUTLET DIMENSIONS

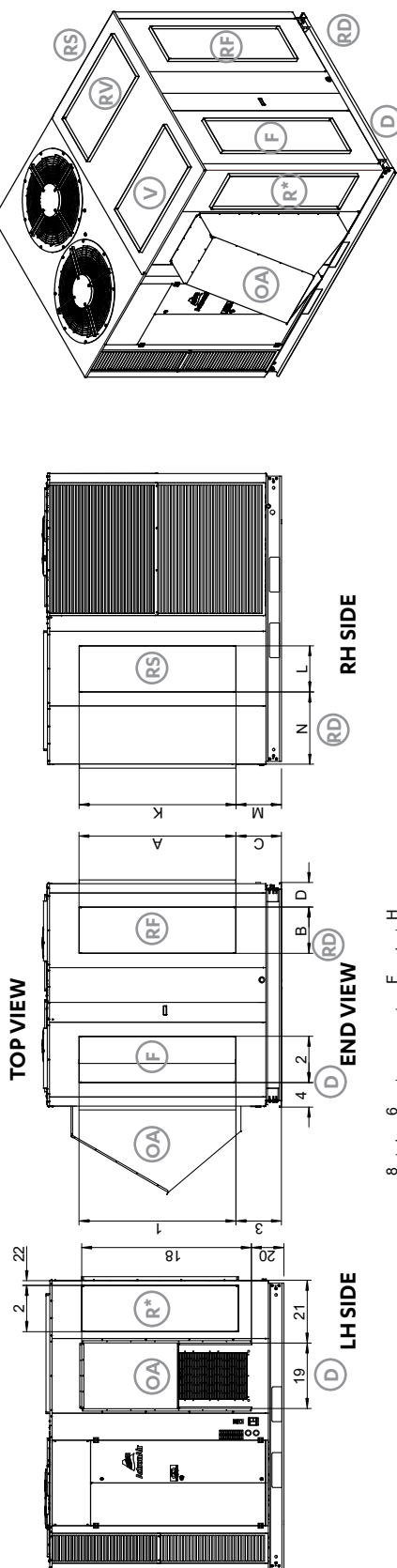
	RF				RD				RS				RV			
	A	B	C	D	E	F	G	H	K	L	M	N	P	Q	R	S
PRV72AT	1498	378	238	385	923	576	170	166	1498	378	238	638	923	576	170	166
PRV85AT	1576	464	456	236	1192	594	183	149	1576	464	456	726	1192	594	183	149
PRV96AT	1576	464	456	236	1192	594	183	149	1576	464	456	726	1192	594	183	149

RETURN INLET DIMENSIONS

	F				D				R*				V				OA			
	1	2	3	4	5	6	7	8	1	2	3	22	14	15	16	17	18	19	20	21
PRV72AT	1498	378	238	385	923	576	170	166	1498	378	238	82	923	576	170	166	1502	400	326	629
PRV85AT	1576	464	456	247	1192	594	183	149	1576	464	456	77	1192	594	183	149	1706	657	407	631
PRV96AT	1576	464	456	247	1192	594	183	149	1576	464	456	77	1192	594	183	149	1706	657	407	631



**STANDARD PRV72-96AT
SUPPLY & RETURN
R**T-E VARIATIONS**



LEGEND FOR SUPPLY POSITIONS LEGEND FOR RETURN POSITIONS

RD = RIGHT DOWN SUPPLY

RF = RIGHT FRONT SUPPLY
F = LEFT FRONT RETURN

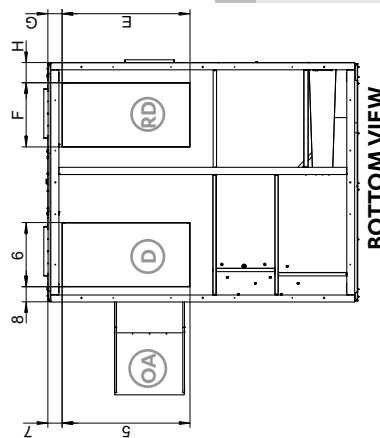
RS = RIGHT SIDE SUPPLY
OA = OUTSIDE AIR RETURN

RV = RIGHT VERTICAL SUPPLY

NOTE: WEATHERHOOD IS AN OPTION

NOTES

- Unit viewed from air handling end.
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- ***(R)**: available for R Option only (3 dampers)

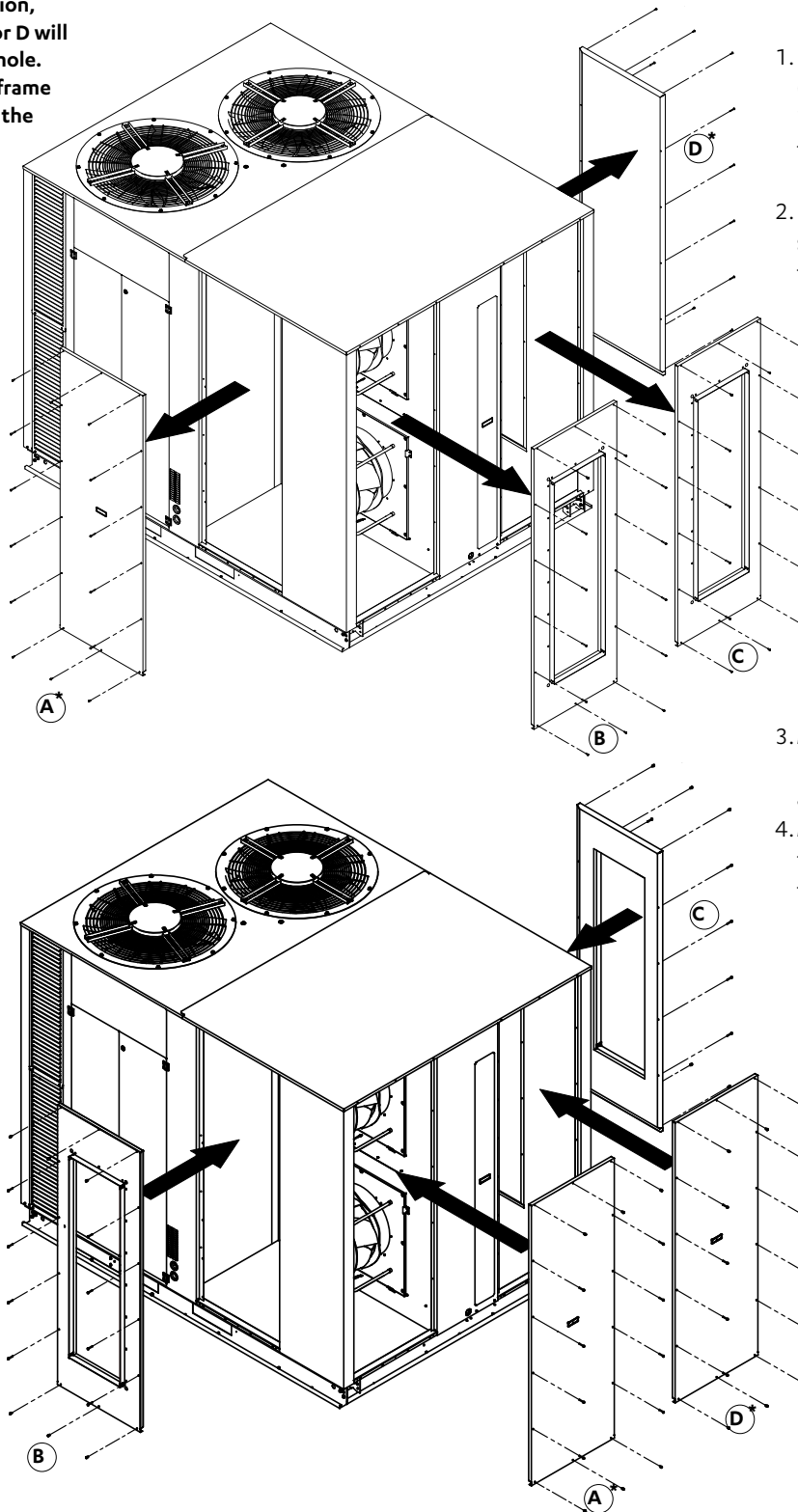


AIRFLOW CONFIGURATION CHANGE

For Airflow configuration where Supply and/or Return air is required on the SIDE (LFST, RFST, LSFT, RSFT, LSDT, RSDT, LSST, RSST, LSTT and RSTT), the Airflow Access Panel will have to be interchanged with the Front Panel before installation of duct.

Sample below is converting the LFFT unit to LSST airflow configuration.

***For Economiser option,**
panels on either A or D will
have a rectangular hole.
Mount the angular frame
from the outside of the
hole.



1. Remove Airflow Access Panel (B and C). Referring to the illustration on the left, both the panels on the front are removed.

2. Remove the Panels on the sides (A and D) mounted on the side.

3. Mount the Airflow Access Panel (B and C) on the Left and the Right side.

4. Mount the Panels removed from the side (A and D) on to the front.

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