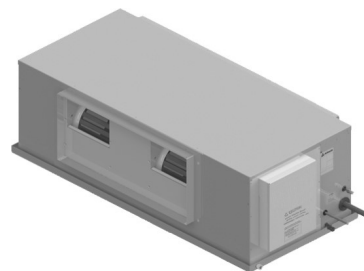
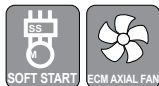


ADVANCE B Series Split Ducted Unit

Technical Selection Data



Model Numbers

Single Phase

CRV13BS / EVV13BS
CRV15BS / EVV15BS
CRV17BS / EVV17BS

Three Phase

CRV13BT / EVV13BS
CRV15BT / EVV15BS
CRV17BT / EVV17BS
CRV19BT / EVV19BS
CRV22BT / EVV22BS
CRV25BT / EVV25BS

Split Fan-Coil

EAA13BS / EFV13BS
EAA15BS / EFV15BS
EAA17BS / EFV17BS
EAA19BS / EFV19BS
EAA22BS / EFV22BS
EAA25BS / EFV25BS

UNIT FEATURES

- Inverter Variable Speed Compressor and Drive Technology
- 28-100% Superior Refrigeration Operating Capacity Range
- EC High Efficiency Indoor and Outdoor Fan Motor
- Pre-charged with Low GWP R-32 Refrigerant
- Adaptive Demand Defrost
- Active Power Factor Correction
- 20m Cat5e wall controller cable included
- Low ambient cooling operation to +5 degree
- Fault and Run Indication - Relay Output
- Up to 3 Wall Controllers and 3 Remote Temperature Sensors
- Ready for up to 8 zones
- Compressor Soft Start via Variable Speed Drive Control
- Hydrophilic Blue Fin Coil Coat Protection - Indoor and Outdoor Coils
- Integrated Fan Coil Safety Tray with Drain Kit
- Bi-Flow Electronic Expansion Valve
- Powder Coated Outdoor Unit with Louvred Coil Guard
- Variable Fan Technology
- Turbo Mode

UNIT OPTIONS

- Additional Full Coil Coat Protection
- Split Fan Coil Unit
- Vertical Fan Coil Unit
- Horizontal Discharge Condenser
- Outdoor Drain Tray

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, Dry, 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
- Neo Connect App
- On-Board Temperature, Humidity and Proximity Sensor
- Optional wireless Zone Controller with on-board sensor
- Optional wireless Zone Sensor
- 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

- Optional Manual Inputs
- Optional Analogue Inputs

PLENUMS

(See Plenum Matrix for details of spigots availability).

- Supply Air Plenums are available in 2 or 3 way Configuration.
- Return Air Plenums are available with 2 x 350 mm or 2 x 400 mm or 2 x 450mm Spigots.



SPECIFICATION SUMMARY

OUTDOOR UNIT MODEL		CRV13BS		CRV15BS		CRV17BS	
INDOOR UNIT MODEL		EVV13BS		EVV15BS		EVV17BS	
		⁽¹⁾ TOTAL	⁽²⁾ NETT	⁽¹⁾ TOTAL	⁽²⁾ NETT	⁽¹⁾ TOTAL	⁽²⁾ NETT
⁽³⁾ COOLING CAPACITY (kW)	RATED	13.25	13.00	15.10	14.80	17.40	17.00
	Tru-Max ⁽⁹⁾	-	14.50	-	16.50	-	18.50
	MINIMUM	-	4.10	-	4.48	-	4.65
⁽⁴⁾ HEATING CAPACITY (kW)	RATED	12.60	12.85	14.70	15.00	16.80	17.20
	Tru-Max ⁽⁹⁾	-	15.00	-	17.50	-	19.20
	MINIMUM	-	3.80	-	4.48	-	5.30
⁽³⁾ SENSIBLE CAPACITY (kW)	RATED	10.91	10.66	12.44	12.14	14.51	14.11
COOLING INPUT POWER (kW)	RATED	3.84		4.46		5.10	
	Tru-Max ⁽⁹⁾	4.61		5.48		6.45	
HEATING INPUT POWER (kW)	RATED	3.37		4.09		4.74	
	Tru-Max ⁽⁹⁾	4.05		4.85		5.29	
EER	RATED	3.45	3.38	3.28	3.32	3.41	3.33
	Tru-Max ⁽⁹⁾	-	3.14	-	3.01	-	2.87
COP	RATED	3.73	3.81	3.60	3.67	3.54	3.63
	Tru-Max ⁽⁹⁾	-	3.70	-	3.61	-	3.63
TOTAL COOLING SEASONAL PERFORMANCE FACTOR RESIDENTIAL - Cold / Mix / Hot		4.45 / 4.31 / 4.61		4.377 / 4.226 / 4.503		4.52 / 4.34 / 4.61	
HEATING SEASONAL PERFORMANCE FACTOR RESIDENTIAL - Cold / Mix / Hot		3.40 / 3.87 / 4.26		3.425 / 3.84 / 4.205		3.42 / 3.94 / 4.44	
⁽⁵⁾ INDOOR AIRFLOW (l/s) Min. / Nominal / Max.		230 / 650 / 780		260 / 770 / 920		300 / 890 / 1060	
⁽⁶⁾ OUTDOOR SOUND PRESS. LEVEL @ 1M dB(A) - Quiet / Rated / Tru.Max		50.9 / 58.0 / 60.5		52.8 / 62.0 / 62.0		52.9 / 62.0 / 62.0	
OUTDOOR SOUND POWER LEVEL dB(A) - Quiet / Rated / Tru-Max		64.1 / 71.3 / 73.6		66.0 / 75.1 / 75.1		65.7 / 75.1 / 75.1	
INDOOR SOUND PRESSURE LEVEL dB(A) @1.5m		39.5		42.4		44.4	
POWER SUPPLY - OUTDOOR		230V / 1Ph+N / 50Hz					
VOLTAGE RANGE (MIN - MAX)		216V - 244					
IP RATING		IP44					
POWER SUPPLY - INDOOR		230V / 1Ph+N / 50Hz					
VOLTAGE RANGE (MIN - MAX)		216V - 244V					
IP RATING		IP20					
⁽²⁾ RATED LOAD AMPS - TOTAL		16.9		19.24		21.9	
⁽⁷⁾ FULL LOAD AMPS OUTDOOR / INDOOR / TOTAL		27.3 / 4.3 / 31.6		27.4 / 3.8 / 31.2		30.3 / 4.2 / 34.5	
OUTDOOR AND INDOOR UNIT (TOTAL)							
FULL LOAD AMPS - PHASE 1		31.6		31.2		34.5	
FULL LOAD AMPS - PHASE 2 AND 3		-					
⁽⁸⁾ CIRCUIT BREAKER		32.0		32.0		40.0	
APPROXIMATE STARTING AMPS		< 32		< 32		< 40	
COOLING POWER FACTOR		0.99		0.98		0.99	
HEATING POWER FACTOR		0.98		0.98		0.98	
DATA CABLE FIELD WIRING (OUTDOOR TO INDOOR)		2 Core 7 / 0.30 (0.5mm2) Twisted Shielded 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 for operation of VFT (Variable Fan Technology) using Actron Controller.

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

(9) TRUMAX - 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.



SPECIFICATION SUMMARY

OUTDOOR UNIT MODEL		CRV13BT		CRV15BT		CRV17BT		CRV19BT		CRV22BT		CRV25BT	
INDOOR UNIT MODEL		EVV13BS		EVV15BS		EVV17BS		EVV19BS		EVV22BS		EVV25BS	
		(1) TOTAL	(2) NETT	(1) TOTAL	(2) NETT	(1) TOTAL	(2) NETT	(1) TOTAL	(2) NETT	(1) TOTAL	(2) NETT	(1) TOTAL	(2) NETT
(3) COOLING CAPACITY (kW)	RATED	13.25	13.00	15.10	14.80	17.40	17.00	19.36	19.00	22.48	22.00	25.67	25.00
	Tru-Max ⁽⁹⁾	-	14.50	-	16.50	-	18.50	-	21.00	-	25.00	-	28.00
	MINIMUM	-	4.10	-	4.35	-	4.65	-	6.48	-	6.00	-	6.30
(4) HEATING CAPACITY (kW)	RATED	12.60	12.85	14.70	15.00	16.80	17.20	18.64	19.00	22.52	23.00	25.33	26.00
	Tru-Max ⁽⁹⁾	-	15.00	-	17.50	-	19.20	-	20.00	-	26.00	-	28.50
	MINIMUM	-	3.80	-	4.35	-	5.30	-	5.58	-	6.30	-	6.27
(3) SENSIBLE CAPACITY (kW)	RATED	10.91	10.66	12.44	11.76	14.68	14.28	16.13	15.77	17.88	17.40	21.03	20.36
COOLING INPUT POWER (kW)	RATED	3.77		4.33		5.06		5.54		6.61		7.27	
	Tru-Max ⁽⁹⁾	4.63		5.44		5.70		6.76		8.20		8.95	
HEATING INPUT POWER (kW)	RATED	3.08		3.93		4.58		5.08		6.25		6.84	
	Tru-Max ⁽⁹⁾	3.73		4.82		5.22		5.43		7.18		7.60	
EER	RATED	3.51	3.44	3.49	3.42	3.44	3.36	3.50	3.43	3.40	3.33	3.53	3.44
	Tru-Max ⁽⁹⁾	-	3.13	-	3.03	-	3.25	-	3.11	-	3.05	-	3.13
COP	RATED	4.10	4.18	3.75	3.82	3.67	3.75	3.67	3.74	3.60	3.68	3.71	3.80
	Tru-Max ⁽⁹⁾	-	4.02	-	3.63	-	3.68	-	3.68	-	3.62	-	3.75
TOTAL COOLING SEASONAL PERFORMANCE FACTOR RESIDENTIAL - Cold / Mix / Hot		4.25 / 4.19 / 4.69		4.24 / 4.16 / 4.61		4.50 / 4.36 / 4.79		4.59 / 4.43 / 4.79		4.52 / 4.36 / 4.69		4.54 / 4.39 / 4.70	
HEATING SEASONAL PERFORMANCE FACTOR RESIDENTIAL - Cold / Mix / Hot		3.43 / 3.96 / 4.35		3.51 / 4.07 / 4.57		3.55 / 4.02 / 4.45		3.45 / 3.96 / 4.44		3.53 / 4.03 / 4.54		3.50 / 4.03 / 4.53	
(5) INDOOR AIRFLOW (l/s) MIN. / NOMINAL / MAX.		230 / 650 / 780		260 / 770 / 920		300 / 890 / 1060		375 / 1000 / 1200		450 / 1150 / 1380		510 / 1300 / 1570	
(6) COOLING OUTDOOR SOUND PRESS. LEVEL @ 1M dB(A) - Quiet / Rated / Tru.Max		50.5 / 57.5 / 60.1		52.7 / 61.7 / 61.7		52.9 / 61.7 / 61.7		57.0 / 65.4 / 65.4		58.3 / 64.5 / 64.5		59.2 / 65.2 / 65.2	
(6) HEATING OUTDOOR SOUND PRESS. LEVEL @ 1M dB(A) - Quiet / Rated / Tru.Max		63.6 / 70.5 / 72.9		65.5 / 74.6 / 74.6		65.7 / 74.6 / 74.6		57.7 / 65.6 / 65.6		58.8 / 64.9 / 64.9		59.3 / 65.6 / 65.6	
OVERALL SOUND POWER LEVEL dB(A) - Quiet / Rated / Tru.Max		63.6 / 70.5 / 72.9		65.5 / 74.6 / 74.6		65.7 / 74.6 / 74.6		69.0 / 77.5 / 77.5		70.1 / 77.4 / 77.4		72.4 / 78.8 / 78.8	
INDOOR SOUND PRESSURE LEVEL dB(A) @1.5m		39.5		42.4		44.4		42.1		44.5		44.5	
POWER SUPPLY - OUTDOOR		400V / 3Ph+N / 50Hz											
VOLTAGE RANGE (MIN - MAX)		376V - 424V											
IP RATING		IP44											
POWER SUPPLY - INDOOR		230V / 1Ph+N / 50Hz											
VOLTAGE RANGE (MIN - MAX)		216V - 244V											
IP RATING		IP20											
(2) RATED LOAD AMPS - TOTAL		7.2		8.8		11.5		11.0		13.3		14.8	
(7) FULL LOAD AMPS OUTDOOR / INDOOR / TOTAL		7.89 / 3.9 / 11.7		10.1 / 3.9 / 14.0		10.8 / 4.2 / 15.0		12.48 / 4.63 / 17.1		13.6 / 5.6 / 19.2		14.2 / 8.4 / 22.6	
OUTDOOR AND INDOOR UNIT (TOTAL)													
FULL LOAD AMPS - PHASE 1		11.7		14.0		15.0		17.1		19.2		22.6	
FULL LOAD AMPS - PHASE 2 AND 3		8.8, 8.7		9.7 , 9.7		11.0, 11.0		12.8, 13.1		13.8, 14.2		15.5, 15.9	
(8) CIRCUIT BREAKER		16.0		16.0		16.0		20.0		20A		25A	
APPROXIMATE STARTING AMPS		< 16		< 16		< 16		< 20		<19.2A		<22.55	
COOLING RATED POWER FACTOR		0.92		0.93		0.93		0.87		0.90		0.91	
HEATING RATED POWER FACTOR		0.90		0.92		0.92		0.85		0.89		0.90	
DATA CABLE FIELD WIRING (OUTDOOR TO INDOOR)		2 Core 7 / 0.30 (0.5mm2) Twisted Shielded Data Cable								(CatSE UTP (awg 24) Datra 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 for operation of VFT (Variable Fan Technology) using Actron Controller.

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

(9) TRUMAX - 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.



CAPACITY SELECTION DATA

CRV13BS / EVV13BS

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	12.73	3.25	3.92	6.13	7.27	8.41	9.55	10.69	11.83					
	17	13.18	3.26	4.04	5.71	6.77	7.83	8.89	9.95	11.01	12.06	13.12			
	18	13.63	3.28	4.16	5.29	6.27	7.25	8.22	9.20	10.18	11.16	12.13	13.11		
	19	14.07	3.29	4.28	4.87	5.77	6.66	7.56	8.45	9.35	10.25	11.14	12.04	12.94	13.83
	20	14.52	3.30	4.39	4.45	5.26	6.08	6.89	7.71	8.52	9.34	10.15	10.97	11.78	12.60
	21	14.96	3.32	4.51		4.76	5.50	6.23	6.96	7.70	8.43	9.16	9.90	10.63	11.36
	22	15.41	3.33	4.62			4.91	5.57	6.22	6.87	7.52	8.17	8.83	9.48	10.13
30	16	12.36	3.52	3.51	5.81	6.97	8.13	9.29	10.45	11.61					
	17	12.79	3.53	3.62	5.41	6.49	7.56	8.64	9.72	10.80	11.87				
	18	13.23	3.55	3.73	5.01	6.01	7.00	8.00	8.99	9.99	10.98	11.98	12.97		
	19	13.66	3.57	3.83	4.62	5.53	6.44	7.35	8.26	9.17	10.09	11.00	11.91	12.82	
	20	14.09	3.58	3.93	4.22	5.05	5.88	6.71	7.53	8.36	9.19	10.02	10.85	11.68	12.51
	21	14.53	3.60	4.04		4.57	5.31	6.06	6.81	7.55	8.30	9.05	9.79	10.54	11.28
	22	14.96	3.61	4.14			4.75	5.42	6.08	6.74	7.41	8.07	8.73	9.40	10.06
35	16	11.99	3.79	3.16	5.49	6.67	7.85	9.03	10.20	11.38					
	17	12.41	3.81	3.26	5.12	6.21	7.30	8.40	9.49	10.59	11.68				
	18	12.83	3.83	3.35	4.74	5.75	6.76	7.77	8.78	9.79	10.80	11.81	12.82		
	19	13.25	3.84	3.45	4.37	5.29	6.22	7.15	8.07	9.00	9.92	10.85	11.77	12.70	
	20	13.67	3.86	3.54	3.99	4.84	5.68	6.52	7.36	8.20	9.04	9.89	10.73	11.57	12.41
	21	14.09	3.88	3.63		4.38	5.13	5.89	6.65	7.41	8.16	8.92	9.68	10.44	11.19
	22	14.51	3.89	3.73			4.59	5.27	5.94	6.61	7.29	7.96	8.63	9.31	9.98
40	16	11.49	4.17	2.75	5.14	6.33	7.51	8.69	9.87	11.06					
	17	11.89	4.19	2.84	4.79	5.89	6.99	8.09	9.19	10.29	11.39				
	18	12.29	4.21	2.92	4.44	5.46	6.47	7.49	8.50	9.51	10.53	11.54			
	19	12.69	4.23	3.00	4.09	5.02	5.95	6.88	7.81	8.74	9.67	10.60	11.53	12.46	
	20	13.09	4.24	3.09	3.74	4.59	5.44	6.28	7.13	7.97	8.82	9.66	10.51	11.35	12.20
	21	13.50	4.26	3.17		4.16	4.92	5.68	6.44	7.20	7.96	8.72	9.48	10.24	11.00
	22	13.90	4.28	3.25			4.40	5.08	5.75	6.43	7.10	7.78	8.46	9.13	9.81
45	16	10.96	4.59	2.39	4.80	5.99	7.17	8.36	9.54	10.72					
	17	11.34	4.61	2.46	4.48	5.58	6.68	7.78	8.88	9.98	11.08				
	18	11.73	4.63	2.53	4.15	5.17	6.18	7.20	8.21	9.23	10.24	11.26			
	19	12.11	4.65	2.60	3.83	4.76	5.69	6.62	7.55	8.48	9.41	10.34	11.27		
	20	12.49	4.67	2.67	3.50	4.35	5.19	6.04	6.89	7.73	8.58	9.43	10.27	11.12	11.96
	21	12.88	4.69	2.74		3.94	4.70	5.46	6.22	6.98	7.75	8.51	9.27	10.03	10.79
	22	13.26	4.71	2.81			4.21	4.88	5.56	6.24	6.91	7.59	8.27	8.95	9.62
50	16	10.60	5.03	2.11	4.60	5.79	6.98	8.17	9.36	10.55					
	17	10.97	5.05	2.17	4.29	5.39	6.50	7.61	8.71	9.82	10.92				
	18	11.34	5.07	2.24	3.98	5.00	6.02	7.04	8.06	9.08	10.10	11.12			
	19	11.71	5.09	2.30	3.67	4.60	5.54	6.47	7.41	8.35	9.28	10.22	11.15		
	20	12.08	5.12	2.36	3.36	4.21	5.06	5.91	6.76	7.61	8.46	9.31	10.16	11.01	11.86
	21	12.46	5.14	2.42		3.81	4.58	5.34	6.11	6.87	7.64	8.41	9.17	9.94	10.70
	22	12.83	5.16	2.48			4.10	4.78	5.46	6.14	6.82	7.50	8.18	8.86	9.54
Indoor Fan Power (kW)													0.25		

CAPACITY SELECTION DATA

CRV13BS / EVV13BS

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	10.30	2.31	4.46	5.35	6.34	7.33	8.32	9.31	10.30					
	17	10.66	2.32	4.60	4.99	5.91	6.82	7.74	8.66	9.58	10.50				
	18	11.02	2.33	4.73	4.62	5.47	6.32	7.17	8.02	8.86	9.71	10.56			
	19	11.38	2.34	4.86	4.26	5.04	5.81	6.59	7.37	8.15	8.92	9.70	10.48	11.26	
	20	11.74	2.35	5.00	3.89	4.60	5.31	6.01	6.72	7.43	8.14	8.84	9.55	10.26	10.96
	21	12.10	2.36	5.13		4.17	4.80	5.44	6.07	6.71	7.35	7.98	8.62	9.26	9.89
	22	12.46	2.37	5.26			4.30	4.86	5.43	5.99	6.56	7.12	7.69	8.26	8.82
30	16	10.00	2.50	4.00	5.07	6.08	7.08	8.09	9.10						
	17	10.35	2.51	4.12	4.73	5.66	6.60	7.53	8.47	9.40	10.34				
	18	10.70	2.52	4.24	4.38	5.24	6.11	6.97	7.83	8.70	9.56	10.42			
	19	11.05	2.54	4.36	4.04	4.83	5.62	6.41	7.20	7.99	8.78	9.58	10.37		
	20	11.40	2.55	4.47	3.69	4.41	5.13	5.85	6.57	7.29	8.01	8.73	9.45	10.17	10.89
	21	11.74	2.56	4.59	0.00	4.00	4.64	5.29	5.94	6.59	7.23	7.88	8.53	9.18	9.82
	22	12.09	2.57	4.71	0.00	0.00	4.16	4.73	5.31	5.88	6.46	7.03	7.61	8.18	8.76
35	16	9.70	2.70	3.60	4.80	5.82	6.84	7.86	8.89						
	17	10.04	2.71	3.71	4.47	5.42	6.37	7.32	8.27	9.22					
	18	10.38	2.72	3.82	4.15	5.02	5.90	6.78	7.65	8.53	9.40	10.28			
	19	10.72	2.73	3.92	3.82	4.63	5.43	6.23	7.04	7.84	8.64	9.45	10.25		
	20	11.05	2.74	4.03	3.50	4.23	4.96	5.69	6.42	7.15	7.88	8.61	9.34	10.07	10.80
	21	11.39	2.76	4.13		3.83	4.49	5.15	5.80	6.46	7.12	7.77	8.43	9.09	9.75
	22	11.73	2.77	4.24			4.02	4.60	5.19	5.77	6.35	6.94	7.52	8.11	8.69
40	16	9.30	2.96	3.14	4.49	5.52	6.55	7.57	8.60						
	17	9.62	2.98	3.23	4.19	5.14	6.10	7.05	8.00	8.96					
	18	9.94	2.99	3.32	3.89	4.77	5.65	6.53	7.41	8.29	9.17				
	19	10.27	3.00	3.42	3.59	4.39	5.20	6.01	6.81	7.62	8.43	9.23	10.04		
	20	10.59	3.02	3.51	3.28	4.02	4.75	5.48	6.22	6.95	7.68	8.42	9.15	9.88	0.00
	21	10.91	3.03	3.60		3.64	4.30	4.96	5.62	6.28	6.94	7.60	8.26	8.92	9.58
	22	11.24	3.04	3.69			3.85	4.44	5.02	5.61	6.20	6.78	7.37	7.96	8.54
45	16	8.87	3.26	2.72	4.20	5.23	6.25	7.28	8.31						
	17	9.18	3.28	2.80	3.92	4.87	5.83	6.78	7.73	8.69					
	18	9.49	3.29	2.88	3.64	4.52	5.40	6.28	7.16	8.04	8.92				
	19	9.80	3.31	2.96	3.35	4.16	4.97	5.78	6.58	7.39	8.20	9.01			
	20	10.11	3.32	3.04	3.07	3.81	4.54	5.27	6.01	6.74	7.48	8.21	8.94	9.68	
	21	10.41	3.34	3.12		3.45	4.11	4.77	5.43	6.09	6.75	7.41	8.08	8.74	9.40
	22	10.72	3.35	3.20			3.68	4.27	4.86	5.44	6.03	6.62	7.21	7.79	8.38
50	16	8.58	3.57	2.40	4.02	5.06	6.09	7.12	8.16						
	17	8.88	3.59	2.47	3.75	4.71	5.67	6.63	7.59	8.55					
	18	9.18	3.61	2.55	3.48	4.37	5.26	6.14	7.03	7.91	8.80				
	19	9.48	3.62	2.62	3.21	4.03	4.84	5.65	6.46	7.27	8.09	8.90			
	20	9.78	3.64	2.69	2.95	3.68	4.42	5.16	5.90	6.64	7.37	8.11	8.85	9.59	
	21	10.08	3.65	2.76		3.34	4.00	4.67	5.33	6.00	6.66	7.33	7.99	8.65	9.32
	22	10.37	3.67	2.83			3.59	4.18	4.77	5.36	5.95	6.54	7.13	7.72	8.31
												Indoor Fan Power (kW)		0.25	

CAPACITY SELECTION DATA

CRV13BS / EVV13BS

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	7.28	1.51	4.84	4.32	5.11	5.90	6.69							
	17	7.53	1.51	4.98	4.03	4.76	5.50	6.23	6.96						
	18	7.79	1.52	5.13	3.74	4.42	5.09	5.77	6.45	7.12					
	19	8.04	1.53	5.27	3.45	4.07	4.69	5.31	5.93	6.55	7.17	7.79			
	20	8.29	1.53	5.41	3.16	3.72	4.29	4.85	5.41	5.98	6.54	7.11	7.67	8.23	
	21	8.54	1.54	5.55		3.37	3.88	4.39	4.90	5.41	5.91	6.42	6.93	7.44	7.94
	22	8.79	1.55	5.69			3.48	3.93	4.38	4.83	5.28	5.74	6.19	6.64	7.09
30	16	7.07	1.63	4.34	4.10	4.90	5.70	6.51							
	17	7.32	1.64	4.46	3.82	4.57	5.31	6.06	6.81						
	18	7.56	1.65	4.59	3.55	4.24	4.92	5.61	6.30	6.99					
	19	7.81	1.65	4.72	3.27	3.90	4.53	5.17	5.80	6.43	7.06	7.69			
	20	8.05	1.66	4.85	3.00	3.57	4.15	4.72	5.29	5.87	6.44	7.02	7.59		
	21	8.29	1.67	4.97		3.24	3.76	4.27	4.79	5.31	5.82	6.34	6.86	7.37	7.89
	22	8.54	1.68	5.10			3.37	3.83	4.29	4.74	5.20	5.66	6.12	6.58	7.04
35	16	6.87	1.76	3.90	3.88	4.69	5.51	6.33							
	17	7.10	1.77	4.02	3.62	4.38	5.13	5.89	6.65						
	18	7.34	1.77	4.14	3.36	4.06	4.76	5.46	6.16	6.86					
	19	7.58	1.78	4.25	3.10	3.74	4.38	5.02	5.66	6.31	6.95				
	20	7.81	1.79	4.36	2.84	3.42	4.01	4.59	5.17	5.76	6.34	6.92	7.50		
	21	8.05	1.80	4.48		3.11	3.63	4.16	4.68	5.21	5.73	6.25	6.78	7.30	7.83
	22	8.29	1.81	4.59			3.26	3.72	4.19	4.65	5.12	5.59	6.05	6.52	6.99
40	16	6.58	1.93	3.40	3.64	4.46	5.28	6.09							
	17	6.81	1.94	3.51	3.39	4.16	4.92	5.68	6.44						
	18	7.03	1.95	3.61	3.15	3.86	4.56	5.26	5.96	6.66					
	19	7.26	1.96	3.71	2.91	3.55	4.20	4.84	5.49	6.13	6.77				
	20	7.49	1.97	3.80	2.67	3.25	3.84	4.43	5.01	5.60	6.18	6.77	7.35		
	21	7.71	1.98	3.90		2.95	3.48	4.01	4.53	5.06	5.59	6.11	6.64	7.17	7.69
	22	7.94	1.99	4.00			3.12	3.59	4.06	4.53	5.00	5.46	5.93	6.40	6.87
45	16	6.29	2.13	2.95	3.40	4.22	5.04	5.86							
	17	6.50	2.14	3.04	3.18	3.94	4.70	5.46	6.22						
	18	6.72	2.15	3.13	2.95	3.65	4.36	5.06	5.76	6.47					
	19	6.93	2.16	3.21	2.73	3.37	4.02	4.66	5.30	5.95	6.59				
	20	7.15	2.17	3.30	2.50	3.09	3.67	4.26	4.84	5.43	6.02	6.60			
	21	7.36	2.18	3.39		2.80	3.33	3.86	4.39	4.91	5.44	5.97	6.49	7.02	0.00
	22	7.58	2.18	3.47			2.99	3.46	3.93	4.39	4.86	5.33	5.80	6.27	6.74
50	16	6.08	2.33	2.61	3.26	4.08	4.91	5.73							
	17	6.29	2.34	2.69	3.05	3.81	4.58	5.34	6.11						
	18	6.50	2.35	2.76	2.83	3.54	4.24	4.95	5.66	6.36					
	19	6.71	2.36	2.84	2.62	3.26	3.91	4.56	5.21	5.85	6.50				
	20	6.92	2.37	2.92	2.40	2.99	3.58	4.17	4.76	5.35	5.93	6.52			
	21	7.13	2.38	2.99		2.72	3.25	3.78	4.31	4.84	5.37	5.90	6.43	6.96	
	22	7.34	2.39	3.06			2.91	3.38	3.86	4.33	4.80	5.27	5.74	6.21	6.68
Indoor Fan Power (kW)													0.38		



CAPACITY SELECTION DATA

CRV13BS / EVV13BS

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	9.77	7.93	9.72	7.89	9.67	7.85	9.63	7.82	9.58	7.78
-8	10.45	8.31	10.39	8.27	10.34	8.23	10.28	8.18	10.23	8.14
-6	11.13	8.70	11.07	8.65	11.00	8.60	10.93	8.55	10.86	8.49
-4	11.68	9.15	11.60	9.09	11.53	9.03	11.45	8.97	11.38	8.91
-2	12.22	9.58	12.13	9.52	12.05	9.45	11.96	9.39	11.88	9.32
0	12.76	10.02	12.67	9.95	12.58	9.88	12.48	9.81	12.39	9.74
2	12.99	10.76	12.89	10.68	12.79	10.59	12.69	10.51	12.59	10.43
4	12.90	11.78	12.79	11.68	12.69	11.59	12.58	11.50	12.47	11.39
6	12.80	12.80	12.70	12.70	12.59	12.59	12.51	12.51	12.40	12.40
8	13.47	13.47	13.39	13.28	13.28	13.28	13.16	13.16	13.03	13.03
10	14.21	14.21	14.09	13.96	13.96	13.96	13.83	13.83	13.69	13.69
12	14.95	14.95	14.81	14.67	14.67	14.67	14.53	14.53	14.38	14.38
14	15.72	15.72	15.57	15.41	15.41	15.41	15.25	15.25	15.09	15.09
16	16.51	16.51	16.35	16.17	16.17	16.17	16.00	16.00	15.83	15.83
18	17.33	17.33	17.15	16.97	16.97	16.97	16.79	16.79	16.60	16.60

AIRFLOW CORRECTION MULTIPLIER

% VARIATION	-20%	-15%	-10%	-5%	Nominal	5%	10%	15%	20%
INDOOR AIRFLOW (l/s)	520	552.5	585	617.5	650	682.5	715	747.5	780
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.

PIPE LENGTH CORRECTION MULTIPLIER

	5m	10m	20m	30m	40m	50m	60m
COOLING	1.000	0.992	0.975	0.959	0.943	0.927	0.912
HEATING	1.000	1.000	1.000	1.000	1.000	1.000	1.000

NOTE: Correction multipliers are based on horizontal pipe runs.

CAPACITY SELECTION DATA

CRV15BS / EVV15BS

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	14.50	3.72	3.90	7.22	8.54	9.86	11.19	12.51	13.83					
	17	15.04	3.75	4.01	6.74	7.97	9.20	10.44	11.67	12.90	14.13				
	18	15.59	3.78	4.12	6.26	7.40	8.54	9.68	10.82	11.96	13.11	14.25	15.39		
	19	16.13	3.81	4.23	5.79	6.84	7.88	8.93	9.98	11.03	12.08	13.13	14.18	15.23	
	20	16.67	3.85	4.33	5.31	6.27	7.22	8.18	9.14	10.10	11.05	12.01	12.97	13.93	14.88
	21	17.22	3.88	4.44		5.70	6.56	7.43	8.30	9.16	10.03	10.89	11.76	12.63	13.49
	22	17.76	3.91	4.54			5.90	6.68	7.45	8.23	9.00	9.78	10.55	11.33	12.10
30	16	13.96	4.04	3.46	6.98	8.28	9.57	10.87	12.16	13.45					
	17	14.51	4.07	3.56	6.53	7.73	8.94	10.14	11.35	12.56	13.76				
	18	15.06	4.11	3.67	6.07	7.19	8.31	9.42	10.54	11.66	12.78	13.89	15.01		
	19	15.61	4.14	3.77	5.62	6.65	7.67	8.70	9.73	10.76	11.79	12.82	13.85	14.88	
	20	16.16	4.17	3.87	5.16	6.10	7.04	7.98	8.92	9.86	10.80	11.74	12.69	13.63	14.57
	21	16.71	4.20	3.98		5.56	6.41	7.26	8.11	8.97	9.82	10.67	11.52	12.38	13.23
	22	17.26	4.24	4.07			5.78	6.54	7.30	8.07	8.83	9.60	10.36	11.13	11.89
35	16	13.43	4.36	3.08	6.75	8.02	9.28	10.55	11.81	13.08					
	17	13.99	4.40	3.18	6.32	7.50	8.68	9.86	11.04	12.21	13.39				
	18	14.54	4.43	3.28	5.88	6.98	8.07	9.17	10.26	11.35	12.45	13.54			
	19	15.10	4.46	3.38	5.45	6.46	7.47	8.47	9.48	10.49	11.50	12.51	13.52	14.53	
	20	15.66	4.50	3.48	5.01	5.94	6.86	7.78	8.71	9.63	10.55	11.48	12.40	13.33	14.25
	21	16.21	4.53	3.58		5.42	6.25	7.09	7.93	8.77	9.61	10.45	11.28	12.12	12.96
	22	16.77	4.56	3.67			5.65	6.40	7.16	7.91	8.66	9.41	10.17	10.92	11.67
40	16	12.31	4.70	2.62	6.25	7.43	8.61	9.79	10.97	12.15					
	17	12.84	4.73	2.72	5.85	6.96	8.06	9.16	10.26	11.36	12.46				
	18	13.38	4.76	2.81	5.46	6.48	7.50	8.53	9.55	10.57	11.60	12.62			
	19	13.91	4.80	2.90	5.06	6.01	6.95	7.90	8.84	9.78	10.73	11.67	12.62	13.56	
	20	14.44	4.83	2.99	4.67	5.53	6.40	7.26	8.13	9.00	9.86	10.73	11.59	12.46	13.33
	21	14.98	4.87	3.08	4.27	5.06	5.84	6.63	7.42	8.21	8.99	9.78	10.57	11.36	12.14
	22	15.51	4.90	3.16	3.87	4.58	5.29	6.00	6.71	7.42	8.13	8.83	9.54	10.25	10.96
45	16	11.21	5.03	2.23	5.58	6.64	7.70	8.77	9.83	10.89					
	17	11.71	5.07	2.31	5.24	6.23	7.22	8.21	9.20	10.19	11.18				
	18	12.22	5.10	2.40	4.89	5.81	6.73	7.65	8.57	9.50	10.42	11.34			
	19	12.73	5.14	2.48	4.54	5.39	6.24	7.10	7.95	8.80	9.65	10.50	11.35	12.21	
	20	13.24	5.17	2.56	4.19	4.98	5.76	6.54	7.32	8.10	8.88	9.67	10.45	11.23	12.01
	21	13.74	5.21	2.64		4.56	5.27	5.98	6.69	7.41	8.12	8.83	9.54	10.26	10.97
	22	14.25	5.24	2.72			4.78	5.43	6.07	6.71	7.35	8.00	8.64	9.28	9.92
50	16	10.58	5.53	1.91	5.62	6.70	7.78	8.87	9.95						
	17	11.08	5.57	1.99	5.27	6.29	7.30	8.31	9.32	10.33					
	18	11.58	5.61	2.07	4.93	5.87	6.81	7.75	8.69	9.64	10.58	11.52			
	19	12.08	5.64	2.14	4.58	5.45	6.33	7.20	8.07	8.94	9.81	10.68	11.55		
	20	12.58	5.68	2.22	4.24	5.04	5.84	6.64	7.44	8.24	9.04	9.84	10.65	11.45	12.25
	21	13.09	5.72	2.29		4.62	5.35	6.09	6.82	7.55	8.28	9.01	9.74	10.47	11.20
	22	13.59	5.75	2.36			4.87	5.53	6.19	6.85	7.51	8.17	8.83	9.49	10.15
Indoor Fan Power (kW)													0.3		

CAPACITY SELECTION DATA

CRV15BS / EVV15BS

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	11.79	2.70	4.37	6.22	7.36	8.49	9.62	10.75						
	17	12.23	2.72	4.50	5.82	6.87	7.92	8.98	10.03	11.09	12.14				
	18	12.67	2.74	4.62	5.41	6.38	7.36	8.34	9.31	10.29	11.26	12.24			
	19	13.11	2.77	4.74	5.00	5.90	6.79	7.69	8.59	9.49	10.39	11.28	12.18	13.08	
	20	13.55	2.79	4.86	4.59	5.41	6.23	7.05	7.87	8.69	9.51	10.33	11.15	11.97	12.79
	21	13.99	2.81	4.98		4.92	5.66	6.40	7.15	7.89	8.63	9.37	10.11	10.85	11.60
	22	14.43	2.83	5.09			5.10	5.76	6.42	7.09	7.75	8.42	9.08	9.74	10.41
30	16	11.36	2.93	3.88	6.02	7.13	8.24	9.35	10.45						
	17	11.80	2.95	4.00	5.63	6.66	7.70	8.73	9.76	10.79					
	18	12.25	2.98	4.12	5.24	6.20	7.16	8.11	9.07	10.03	10.98	11.94			
	19	12.69	3.00	4.23	4.85	5.73	6.61	7.49	8.38	9.26	10.14	11.02	11.90		
	20	13.14	3.02	4.35	4.46	5.27	6.07	6.88	7.68	8.49	9.29	10.10	10.90	11.71	12.52
	21	13.59	3.05	4.46		4.80	5.53	6.26	6.99	7.72	8.45	9.18	9.91	10.64	11.37
	22	14.03	3.07	4.57			4.99	5.64	6.30	6.95	7.61	8.26	8.91	9.57	10.22
35	16	10.93	3.16	3.46	5.83	6.91	7.99	9.07	10.16						
	17	11.38	3.19	3.57	5.45	6.46	7.47	8.48	9.49	10.50					
	18	11.83	3.21	3.68	5.08	6.02	6.95	7.89	8.83	9.76	10.70	11.64			
	19	12.28	3.24	3.80	4.71	5.57	6.44	7.30	8.16	9.03	9.89	10.75	11.62		
	20	12.73	3.26	3.90	4.34	5.13	5.92	6.71	7.50	8.29	9.08	9.87	10.66	11.45	12.24
	21	13.18	3.28	4.01		4.68	5.40	6.12	6.83	7.55	8.27	8.99	9.71	10.42	11.14
	22	13.63	3.31	4.12			4.88	5.52	6.17	6.81	7.46	8.10	8.75	9.39	10.04
40	16	10.02	3.40	2.94	5.39	6.41	7.42	8.43	9.44						
	17	10.45	3.43	3.05	5.06	6.00	6.94	7.89	8.83	9.77					
	18	10.88	3.45	3.15	4.72	5.59	6.47	7.34	8.22	9.10	9.97	10.85			
	19	11.32	3.48	3.25	4.38	5.19	5.99	6.80	7.61	8.42	9.23	10.04	10.85		
	20	11.75	3.50	3.35	4.04	4.78	5.52	6.26	7.00	7.75	8.49	9.23	9.97	10.71	11.45
	21	12.18	3.53	3.45		4.37	5.05	5.72	6.40	7.07	7.74	8.42	9.09	9.77	10.44
	22	12.61	3.55	3.55			4.57	5.18	5.79	6.39	7.00	7.61	8.21	8.82	9.43
45	16	9.13	3.65	2.50	4.82	5.73	6.64	7.55	8.46						
	17	9.54	3.67	2.60	4.53	5.37	6.22	7.07	7.92	8.77					
	18	9.95	3.70	2.69	4.23	5.02	5.81	6.60	7.38	8.17	8.96	9.75			
	19	10.36	3.72	2.78	3.93	4.66	5.39	6.12	6.85	7.58	8.31	9.04	9.76		
	20	10.77	3.75	2.87	3.63	4.30	4.97	5.64	6.31	6.98	7.65	8.32	8.99	9.66	10.33
	21	11.18	3.77	2.96		3.95	4.56	5.17	5.78	6.38	6.99	7.60	8.21	8.82	9.43
	22	11.59	3.80	3.05			4.14	4.69	5.24	5.79	6.34	6.89	7.44	7.99	8.54
50	16	8.62	4.01	2.15	4.86	5.78	6.71	7.63	8.56						
	17	9.03	4.04	2.24	4.56	5.43	6.29	7.16	8.02	8.89					
	18	9.43	4.06	2.32	4.26	5.07	5.88	6.68	7.49	8.29	9.10				
	19	9.84	4.09	2.41	3.97	4.71	5.46	6.21	6.95	7.70	8.44	9.19			
	20	10.24	4.12	2.49	3.67	4.36	5.04	5.73	6.42	7.10	7.79	8.47	9.16	9.84	
	21	10.65	4.14	2.57		4.00	4.63	5.25	5.88	6.50	7.13	7.76	8.38	9.01	9.63
	22	11.05	4.17	2.65			4.21	4.78	5.34	5.91	6.47	7.04	7.60	8.17	8.74
													Indoor Fan Power (kW)		0.3

CAPACITY SELECTION DATA

CRV15BS / EVV15BS

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	8.49	1.82	4.68	5.05	5.96	6.87	7.78							
	17	8.80	1.83	4.81	4.72	5.57	6.41	7.26	8.11						
	18	9.11	1.85	4.94	4.40	5.18	5.96	6.74	7.53	8.31	9.09				
	19	9.43	1.86	5.06	4.07	4.79	5.51	6.23	6.95	7.67	8.39	9.11			
	20	9.74	1.88	5.19	3.74	4.40	5.05	5.71	6.37	7.03	7.68	8.34	9.00	9.66	
	21	10.05	1.89	5.31		4.01	4.60	5.20	5.79	6.39	6.98	7.58	8.17	8.77	9.36
	22	10.37	1.91	5.43			4.15	4.68	5.21	5.74	6.28	6.81	7.34	7.87	8.41
30	16	8.18	1.97	4.15	4.89	5.78	6.67	7.56							
	17	8.49	1.99	4.27	4.58	5.40	6.23	7.06	7.89						
	18	8.81	2.00	4.40	4.26	5.03	5.80	6.57	7.33	8.10					
	19	9.13	2.02	4.52	3.95	4.66	5.36	6.07	6.78	7.48	8.19	8.90			
	20	9.45	2.04	4.64	3.64	4.28	4.93	5.58	6.22	6.87	7.51	8.16	8.81		
	21	9.76	2.05	4.76		3.91	4.50	5.08	5.67	6.25	6.84	7.42	8.01	8.59	9.18
	22	10.08	2.07	4.88			4.06	4.59	5.11	5.63	6.16	6.68	7.21	7.73	8.26
35	16	7.87	2.13	3.70	4.73	5.60	6.47	7.34							
	17	8.19	2.14	3.82	4.43	5.24	6.05	6.86	7.67						
	18	8.51	2.16	3.94	4.13	4.89	5.64	6.39	7.14	7.89					
	19	8.83	2.18	4.06	3.84	4.53	5.22	5.91	6.61	7.30	7.99	8.68			
	20	9.15	2.19	4.17	3.54	4.17	4.80	5.44	6.07	6.71	7.34	7.98	8.61		
	21	9.47	2.21	4.29		3.81	4.39	4.96	5.54	6.12	6.69	7.27	7.84	8.42	8.99
	22	9.79	2.23	4.40			3.97	4.49	5.01	5.52	6.04	6.56	7.08	7.59	8.11
40	16	7.22	2.29	3.15	4.39	5.20	6.01	6.82							
	17	7.53	2.31	3.26	4.11	4.87	5.63	6.38	7.14						
	18	7.84	2.32	3.37	3.84	4.54	5.25	5.95	6.65	7.36					
	19	8.15	2.34	3.48	3.57	4.22	4.87	5.52	6.16	6.81	7.46	8.11			
	20	8.46	2.36	3.58	3.30	3.89	4.49	5.08	5.68	6.27	6.87	7.46	8.06		
	21	8.76	2.38	3.69		3.57	4.11	4.65	5.19	5.73	6.27	6.81	7.35	7.89	8.43
	22	9.07	2.39	3.79			3.73	4.21	4.70	5.19	5.67	6.16	6.65	7.13	7.62
45	16	6.59	2.45	2.68	3.93	4.66	5.38	6.11							
	17	6.88	2.47	2.78	3.69	4.37	5.05	5.73	6.41						
	18	7.17	2.49	2.88	3.45	4.08	4.72	5.35	5.98	6.61					
	19	7.47	2.51	2.98	3.21	3.80	4.38	4.97	5.55	6.14	6.72	7.31			
	20	7.76	2.52	3.08	2.97	3.51	4.05	4.58	5.12	5.66	6.20	6.73	7.27		
	21	8.05	2.54	3.17		3.22	3.71	4.20	4.69	5.18	5.67	6.16	6.65	7.14	7.63
	22	8.34	2.56	3.26			3.38	3.82	4.26	4.70	5.14	5.58	6.03	6.47	6.91
50	16	6.23	2.70	2.31	3.95	4.70	5.44	6.18							
	17	6.52	2.72	2.40	3.72	4.41	5.11	5.80	6.49						
	18	6.81	2.74	2.49	3.48	4.13	4.77	5.42	6.06	6.71					
	19	7.09	2.75	2.58	3.24	3.84	4.44	5.04	5.63	6.23	6.83				
	20	7.38	2.77	2.66	3.00	3.55	4.10	4.65	5.20	5.75	6.30	6.85			
	21	7.67	2.79	2.75		3.27	3.77	4.27	4.77	5.28	5.78	6.28	6.78	7.28	
	22	7.96	2.81	2.84			3.44	3.89	4.34	4.80	5.25	5.70	6.16	6.61	7.07
												Indoor Fan Power (kW)			0.3

CAPACITY SELECTION DATA

CRV15BS / EVV15BS

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	13.16	10.82	13.10	10.77	13.03	10.71	12.97	10.67	12.91	10.61
-8	14.17	11.32	14.10	11.26	14.02	11.20	13.95	11.14	13.88	11.08
-6	15.20	11.82	15.11	11.76	15.02	11.69	14.93	11.62	14.83	11.54
-4	16.26	12.59	16.15	12.51	16.05	12.43	15.95	12.35	15.84	12.27
-2	17.33	13.61	17.22	13.52	17.10	13.43	16.98	13.33	16.86	13.24
0	18.42	14.63	18.29	14.53	18.16	14.42	18.02	14.32	17.89	14.21
2	18.16	15.11	18.03	14.99	17.89	14.88	17.74	14.76	17.60	14.64
4	16.56	15.03	16.42	14.91	16.29	14.79	16.16	14.66	16.01	14.53
6	14.95	14.95	14.82	14.82	14.70	14.70	14.61	14.61	14.48	14.48
8	15.73	15.73	15.64	15.50	15.50	15.50	15.36	15.36	15.22	15.22
10	16.60	16.60	16.45	16.30	16.30	16.30	16.15	16.15	15.99	15.99
12	17.46	17.46	17.29	17.13	17.13	17.13	16.96	16.96	16.79	16.79
14	18.36	18.36	18.18	17.99	17.99	17.99	17.81	17.81	17.62	17.62
16	19.28	19.28	19.08	18.88	18.88	18.88	18.68	18.68	18.49	18.49
18	20.24	20.24	20.03	19.82	19.82	19.82	19.60	19.60	19.38	19.38

AIRFLOW CORRECTION MULTIPLIER

% VARIATION	-20%	-15%	-10%	-5%	Nominal	5%	10%	15%	20%
INDOOR AIRFLOW (l/s)	616	654.5	693	731.5	770	808.5	847	885.5	920
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.

PIPE LENGTH CORRECTION MULTIPLIER

	5m	10m	20m	30m	40m	50m	60m
COOLING	1.000	0.992	0.975	0.959	0.943	0.927	0.912
HEATING	1.000	1.000	1.000	1.000	1.000	1.000	1.000

NOTE: Correction multipliers are based on horizontal pipe runs.

CAPACITY SELECTION DATA

CRV17BS / EVV17BS

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	16.70	4.31	3.88	8.23	9.75	11.27	12.79	14.31	15.84					
	17	17.29	4.33	3.99	7.67	9.08	10.49	11.91	13.32	14.73	16.15				
	18	17.87	4.35	4.11	7.11	8.41	9.72	11.02	12.32	13.63	14.93	16.24	17.54		
	19	18.45	4.37	4.23	6.55	7.74	8.94	10.13	11.33	12.53	13.72	14.92	16.11	17.31	
	20	19.04	4.38	4.34	5.99	7.07	8.16	9.25	10.33	11.42	12.51	13.60	14.68	15.77	16.86
	21	19.62	4.40	4.46		6.40	7.38	8.36	9.34	10.32	11.30	12.28	13.25	14.23	15.21
	22	20.20	4.42	4.57			6.60	7.47	8.34	9.21	10.08	10.95	11.82	12.69	13.56
30	16	16.22	4.67	3.47	7.79	9.34	10.89	12.44	13.99	15.54					
	17	16.78	4.69	3.58	7.26	8.70	10.14	11.58	13.02	14.46	15.89				
	18	17.35	4.71	3.68	6.74	8.06	9.39	10.72	12.05	13.37	14.70	16.03			
	19	17.92	4.73	3.79	6.21	7.42	8.64	9.86	11.07	12.29	13.51	14.72	15.94	17.16	
	20	18.48	4.75	3.89	5.68	6.78	7.89	9.00	10.10	11.21	12.31	13.42	14.53	15.63	16.74
	21	19.05	4.77	3.99		6.14	7.14	8.13	9.13	10.13	11.12	12.12	13.11	14.11	15.10
	22	19.62	4.80	4.09			6.39	7.27	8.16	9.04	9.93	10.81	11.70	12.58	13.47
35	16	15.73	5.03	3.13	7.37	8.95	10.52	12.09	13.66	15.24					
	17	16.28	5.06	3.22	6.87	8.33	9.79	11.25	12.71	14.17	15.63				
	18	16.83	5.08	3.31	6.38	7.72	9.07	10.42	11.77	13.11	14.46	15.81			
	19	17.38	5.10	3.41	5.88	7.11	8.35	9.58	10.82	12.05	13.29	14.52	15.76	16.99	
	20	17.93	5.12	3.50	5.38	6.50	7.62	8.75	9.87	10.99	12.12	13.24	14.36	15.49	16.61
	21	18.48	5.14	3.59	0.00	5.89	6.90	7.91	8.92	9.93	10.94	11.95	12.96	13.98	14.99
	22	19.03	5.17	3.68	0.00	0.00	6.17	7.07	7.97	8.87	9.77	10.67	11.57	12.47	13.36
40	16	15.07	5.53	2.72	6.91	8.49	10.07	11.65	13.22	14.80					
	17	15.60	5.56	2.81	6.44	7.91	9.37	10.84	12.31	13.77	15.24				
	18	16.12	5.58	2.89	5.98	7.33	8.68	10.04	11.39	12.74	14.10	15.45			
	19	16.65	5.61	2.97	5.51	6.75	7.99	9.23	10.47	11.71	12.95	14.20	15.44		
	20	17.17	5.63	3.05	5.04	6.17	7.30	8.43	9.56	10.68	11.81	12.94	14.07	15.20	16.32
	21	17.70	5.66	3.13		5.59	6.61	7.62	8.64	9.65	10.67	11.68	12.70	13.72	14.73
	22	18.23	5.68	3.21			5.92	6.82	7.72	8.62	9.53	10.43	11.33	12.23	13.14
45	16	14.39	6.09	2.36	6.45	8.04	9.62	11.20	12.78	14.36					
	17	14.89	6.12	2.43	6.02	7.49	8.96	10.42	11.89	13.36	14.83				
	18	15.39	6.14	2.50	5.59	6.94	8.30	9.65	11.01	12.36	13.72	15.07			
	19	15.89	6.17	2.57	5.15	6.40	7.64	8.88	10.12	11.36	12.61	13.85	15.09		
	20	16.39	6.20	2.64	4.72	5.85	6.98	8.11	9.24	10.37	11.50	12.62	13.75	14.88	16.01
	21	16.89	6.23	2.71		5.30	6.32	7.34	8.35	9.37	10.38	11.40	12.42	13.43	14.45
	22	17.39	6.25	2.78			5.66	6.56	7.47	8.37	9.27	10.18	11.08	11.98	12.89
50	16	13.92	6.67	2.09	6.18	7.77	9.36	10.95	12.54						
	17	14.40	6.70	2.15	5.77	7.24	8.72	10.20	11.67	13.15					
	18	14.89	6.73	2.21	5.35	6.72	8.08	9.44	10.80	12.17	13.53				
	19	15.37	6.76	2.27	4.94	6.19	7.44	8.69	9.94	11.18	12.43	13.68	14.93		
	20	15.85	6.79	2.33	4.53	5.66	6.80	7.93	9.07	10.20	11.34	12.47	13.61	14.74	
	21	16.34	6.82	2.40		5.13	6.16	7.18	8.20	9.22	10.24	11.26	12.29	13.31	14.33
	22	16.82	6.85	2.46			5.51	6.42	7.33	8.24	9.15	10.06	10.96	11.87	12.78
Indoor Fan Power (kW)													0.38		

CAPACITY SELECTION DATA

CRV17BS / EVV17BS

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	13.52	2.27	5.97	7.19	8.51	9.83	11.15	12.47						
	17	13.99	2.28	6.15	6.70	7.93	9.15	10.38	11.61	12.83					
	18	14.46	2.29	6.32	6.22	7.35	8.48	9.61	10.74	11.88	13.01	14.14			
	19	14.93	2.30	6.50	5.73	6.77	7.80	8.84	9.88	10.92	11.96	12.99	14.03		
	20	15.40	2.31	6.68	5.24	6.19	7.13	8.07	9.02	9.96	10.90	11.85	12.79	13.73	14.68
	21	15.87	2.32	6.85		5.61	6.46	7.30	8.15	9.00	9.85	10.70	11.55	12.40	13.25
	22	16.34	2.33	7.02			5.78	6.54	7.29	8.05	8.80	9.55	10.31	11.06	11.82
30	16	13.13	2.46	5.34	6.81	8.16	9.50	10.84	12.19						
	17	13.59	2.47	5.51	6.35	7.60	8.85	10.10	11.34	12.59					
	18	14.04	2.48	5.66	5.89	7.05	8.20	9.35	10.50	11.65	12.80	13.96			
	19	14.50	2.49	5.82	5.43	6.49	7.55	8.60	9.66	10.71	11.77	12.83	13.88		
	20	14.95	2.50	5.98	4.98	5.94	6.90	7.85	8.81	9.77	10.73	11.69	12.65	13.61	14.57
	21	15.41	2.51	6.14	0.00	5.38	6.24	7.11	7.97	8.84	9.70	10.56	11.43	12.29	13.16
	22	15.87	2.52	6.29	0.00	0.00	5.59	6.36	7.13	7.90	8.66	9.43	10.20	10.97	11.74
35	16	12.74	2.65	4.81	6.45	7.81	9.18	10.54	11.90						
	17	13.18	2.66	4.96	6.01	7.28	8.55	9.81	11.08	12.35					
	18	13.62	2.67	5.10	5.58	6.75	7.92	9.09	10.26	11.43	12.60				
	19	14.07	2.68	5.24	5.15	6.22	7.29	8.36	9.44	10.51	11.58	12.65	13.72		
	20	14.51	2.69	5.38	4.71	5.69	6.66	7.64	8.61	9.59	10.56	11.54	12.51	13.49	14.46
	21	14.95	2.71	5.52		5.16	6.04	6.91	7.79	8.67	9.54	10.42	11.30	12.18	13.05
	22	15.39	2.72	5.66			5.41	6.19	6.97	7.75	8.53	9.31	10.09	10.87	11.65
40	16	12.21	2.91	4.19	6.04	7.41	8.78	10.15	11.52						
	17	12.63	2.92	4.32	5.64	6.91	8.18	9.46	10.73	12.00					
	18	13.06	2.94	4.45	5.24	6.41	7.58	8.76	9.93	11.11	12.28				
	19	13.48	2.95	4.57	4.83	5.91	6.98	8.06	9.14	10.21	11.29	12.37	13.44		
	20	13.90	2.96	4.69	4.43	5.41	6.38	7.36	8.34	9.32	10.30	11.28	12.26	13.23	
	21	14.32	2.98	4.81		4.90	5.78	6.66	7.55	8.43	9.31	10.19	11.07	11.95	12.83
	22	14.75	2.99	4.93			5.18	5.97	6.75	7.53	8.32	9.10	9.88	10.67	11.45
45	16	11.66	3.20	3.64	5.65	7.02	8.39	9.76	11.14						
	17	12.06	3.22	3.75	5.27	6.55	7.82	9.09	10.37	11.64					
	18	12.46	3.23	3.86	4.90	6.07	7.25	8.42	9.60	10.78	11.95				
	19	12.87	3.25	3.96	4.52	5.60	6.68	7.75	8.83	9.91	10.99	12.07			
	20	13.27	3.26	4.07	4.15	5.12	6.10	7.08	8.06	9.04	10.02	11.00	11.98	12.96	
	21	13.67	3.28	4.17		4.65	5.53	6.41	7.30	8.18	9.06	9.94	10.82	11.71	12.59
	22	14.08	3.29	4.28			4.96	5.74	6.53	7.31	8.10	8.88	9.66	10.45	11.23
50	16	11.28	3.51	3.21	5.41	6.79	8.17	9.55	10.93						
	17	11.67	3.53	3.31	5.06	6.34	7.62	8.90	10.18	11.46					
	18	12.06	3.54	3.41	4.70	5.88	7.06	8.24	9.42	10.61	11.79				
	19	12.45	3.56	3.50	4.34	5.42	6.50	7.59	8.67	9.75	10.84	11.92			
	20	12.84	3.57	3.59	3.98	4.96	5.95	6.93	7.92	8.90	9.89	10.87	11.86		
	21	13.23	3.59	3.69		4.50	5.39	6.28	7.16	8.05	8.94	9.82	10.71	11.60	12.48
	22	13.62	3.60	3.78			4.83	5.62	6.41	7.20	7.99	8.77	9.56	10.35	11.14
Indoor Fan Power (kW)													0.38		



CAPACITY SELECTION DATA

CRV17BS / EVV17BS

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	9.58	1.48	6.48	5.81	6.87	7.92	8.97							
	17	9.91	1.48	6.67	5.42	6.40	7.38	8.36	9.34						
	18	10.24	1.49	6.86	5.04	5.94	6.84	7.75	8.65	9.55					
	19	10.56	1.50	7.05	4.65	5.48	6.30	7.13	7.96	8.79	9.62	10.44			
	20	10.89	1.50	7.24	4.26	5.01	5.77	6.52	7.27	8.02	8.78	9.53	10.28		
	21	11.22	1.51	7.43		4.55	5.23	5.91	6.58	7.26	7.94	8.62	9.29	9.97	10.65
	22	11.55	1.52	7.61			4.69	5.29	5.89	6.50	7.10	7.70	8.30	8.91	9.51
30	16	9.30	1.60	5.81	5.51	6.58	7.66	8.73							
	17	9.62	1.61	5.98	5.15	6.14	7.14	8.13	9.13						
	18	9.94	1.62	6.15	4.78	5.70	6.62	7.54	8.46	9.37					
	19	10.26	1.62	6.32	4.41	5.26	6.10	6.94	7.78	8.63	9.47				
	20	10.58	1.63	6.49	4.05	4.81	5.58	6.34	7.11	7.88	8.64	9.41	10.17		
	21	10.90	1.64	6.65	0.00	4.37	5.06	5.75	6.44	7.13	7.82	8.51	9.20	9.88	10.57
	22	11.22	1.65	6.82	0.00	0.00	4.54	5.15	5.77	6.38	6.99	7.60	8.22	8.83	9.44
35	16	9.03	1.73	5.23	5.22	6.31	7.40	8.49							
	17	9.34	1.73	5.38	4.88	5.89	6.90	7.91	8.92						
	18	9.65	1.74	5.54	4.53	5.46	6.40	7.33	8.26	9.20					
	19	9.96	1.75	5.69	4.18	5.04	5.90	6.75	7.61	8.46	9.32				
	20	10.27	1.76	5.84	3.84	4.62	5.39	6.17	6.95	7.73	8.50	9.28	10.06		
	21	10.58	1.77	5.99		4.19	4.89	5.59	6.29	6.99	7.69	8.39	9.09	9.79	10.49
	22	10.89	1.77	6.14			4.39	5.01	5.64	6.26	6.88	7.50	8.12	8.75	9.37
40	16	8.66	1.90	4.56	4.90	5.99	7.09	8.18							
	17	8.96	1.91	4.70	4.58	5.59	6.61	7.62	8.64						
	18	9.25	1.92	4.83	4.25	5.19	6.13	7.07	8.00	8.94					
	19	9.55	1.92	4.96	3.93	4.79	5.65	6.51	7.37	8.23	9.09				
	20	9.84	1.93	5.09	3.61	4.39	5.17	5.95	6.73	7.51	8.29	9.08			
	21	10.14	1.94	5.22		3.99	4.69	5.39	6.10	6.80	7.50	8.21	8.91	9.61	
	22	10.44	1.95	5.35			4.21	4.84	5.46	6.09	6.71	7.34	7.96	8.59	9.21
45	16	8.27	2.09	3.96	4.59	5.68	6.77	7.87							
	17	8.55	2.10	4.08	4.29	5.30	6.32	7.33	8.35						
	18	8.84	2.11	4.19	3.98	4.92	5.86	6.80	7.74	8.68					
	19	9.12	2.12	4.31	3.68	4.54	5.40	6.26	7.12	7.98	8.84				
	20	9.40	2.13	4.42	3.38	4.17	4.95	5.73	6.51	7.29	8.08	8.86			
	21	9.68	2.14	4.53		3.79	4.49	5.20	5.90	6.60	7.31	8.01	8.71	9.42	
	22	9.97	2.15	4.64			4.03	4.66	5.29	5.91	6.54	7.16	7.79	8.41	9.04
50	16	8.01	2.29	3.50	4.40	5.50	6.60	7.70							
	17	8.28	2.30	3.60	4.11	5.13	6.15	7.18	8.20						
	18	8.55	2.31	3.70	3.82	4.77	5.71	6.65	7.60	8.54					
	19	8.83	2.32	3.80	3.54	4.40	5.27	6.13	7.00	7.86	8.72				
	20	9.10	2.33	3.91	3.25	4.04	4.82	5.61	6.39	7.18	7.97	8.75			
	21	9.37	2.34	4.00		3.67	4.38	5.09	5.79	6.50	7.21	7.92	8.62	9.33	
	22	9.65	2.35	4.10			3.93	4.56	5.19	5.82	6.45	7.08	7.71	8.34	8.96
Indoor Fan Power (kW)													0.38		

CAPACITY SELECTION DATA

CRV17BS / EVV17BS

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	13.37	10.78	13.31	10.72	13.24	10.67	13.18	10.62	13.12	10.57
-8	14.12	11.25	14.05	11.20	13.97	11.13	13.90	11.08	13.83	11.02
-6	14.87	11.74	14.78	11.67	14.70	11.60	14.61	11.53	14.51	11.46
-4	15.73	12.42	15.62	12.33	15.52	12.25	15.43	12.18	15.32	12.09
-2	16.57	13.08	16.46	12.99	16.34	12.90	16.22	12.81	16.11	12.72
0	17.41	13.75	17.29	13.66	17.17	13.56	17.04	13.46	16.91	13.36
2	17.70	14.69	17.57	14.59	17.43	14.47	17.29	14.36	17.15	14.24
4	17.41	15.91	17.27	15.78	17.13	15.65	16.99	15.52	16.84	15.38
6	17.11	17.11	16.97	16.97	16.83	16.83	16.73	16.73	16.57	16.57
8	18.01	18.01	17.90	17.75	17.75	17.75	17.59	17.59	17.42	17.42
10	19.00	19.00	18.84	18.66	18.66	18.66	18.49	18.49	18.31	18.31
12	19.99	19.99	19.80	19.62	19.62	19.62	19.42	19.42	19.23	19.23
14	21.02	21.02	20.82	20.60	20.60	20.60	20.39	20.39	20.18	20.18
16	22.08	22.08	21.86	21.63	21.63	21.63	21.39	21.39	21.17	21.17
18	23.18	23.18	22.94	22.70	22.70	22.70	22.45	22.45	22.19	22.19

AIRFLOW CORRECTION MULTIPLIER

% VARIATION	-20%	-15%	-10%	-5%	Nominal	5%	10%	15%	20%
INDOOR AIRFLOW (l/s)	712	756.5	801	845.5	890	934.5	979	1023.5	1060
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.

PIPE LENGTH CORRECTION MULTIPLIER

	5m	10m	20m	30m	40m	50m	60m
COOLING	1.000	0.992	0.975	0.959	0.943	0.927	0.912
HEATING	1.000	1.000	1.000	1.000	1.000	1.000	1.000

NOTE: Correction multipliers are based on horizontal pipe runs.

CAPACITY SELECTION DATA

CRV13BT / EVV13BS

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	12.73	3.19	3.99	6.22	7.38	8.53	9.69	10.85	12.01					
	17	13.18	3.20	4.12	5.79	6.87	7.94	9.02	10.09	11.17	12.24				
	18	13.63	3.22	4.24	5.37	6.36	7.35	8.34	9.34	10.33	11.32	12.31	13.31		
	19	14.07	3.23	4.36	4.94	5.85	6.76	7.67	8.58	9.49	10.40	11.31	12.22	13.13	14.04
	20	14.52	3.24	4.47	4.51	5.34	6.17	6.99	7.82	8.65	9.48	10.30	11.13	11.96	12.78
	21	14.96	3.26	4.59		4.83	5.58	6.32	7.07	7.81	8.55	9.30	10.04	10.79	11.53
	22	15.41	3.27	4.71			4.98	5.65	6.31	6.97	7.63	8.29	8.96	9.62	10.28
30	16	12.36	3.46	3.58	5.89	7.07	8.25	9.42	10.60	11.78					
	17	12.79	3.47	3.69	5.49	6.58	7.67	8.77	9.86	10.96	12.05				
	18	13.23	3.49	3.79	5.08	6.09	7.10	8.11	9.12	10.13	11.14	12.15	13.16		
	19	13.66	3.50	3.90	4.68	5.61	6.53	7.46	8.38	9.31	10.24	11.16	12.09	13.01	
	20	14.09	3.52	4.01	4.28	5.12	5.96	6.80	7.65	8.49	9.33	10.17	11.01	11.85	12.69
	21	14.53	3.53	4.11		4.63	5.39	6.15	6.91	7.66	8.42	9.18	9.94	10.69	11.45
	22	14.96	3.55	4.22			4.82	5.49	6.17	6.84	7.51	8.19	8.86	9.53	10.21
35	16	11.99	3.72	3.22	5.57	6.77	7.96	9.16	10.35	11.55					
	17	12.41	3.74	3.32	5.19	6.30	7.41	8.52	9.63	10.74	11.85				
	18	12.83	3.76	3.41	4.81	5.84	6.86	7.89	8.91	9.94	10.96	11.99			
	19	13.25	3.77	3.51	4.43	5.37	6.31	7.25	8.19	9.13	10.07	11.01	11.95	12.89	
	20	13.67	3.79	3.61	4.05	4.90	5.76	6.61	7.47	8.32	9.18	10.03	10.89	11.74	12.59
	21	14.09	3.81	3.70		4.44	5.21	5.98	6.75	7.52	8.28	9.05	9.82	10.59	11.36
	22	14.51	3.82	3.79			4.66	5.34	6.03	6.71	7.39	8.08	8.76	9.44	10.13
40	16	11.49	4.09	2.81	5.22	6.42	7.62	8.82	10.02	11.22					
	17	11.89	4.11	2.89	4.86	5.98	7.09	8.21	9.32	10.44	11.55				
	18	12.29	4.13	2.98	4.51	5.54	6.57	7.60	8.63	9.65	10.68	11.71			
	19	12.69	4.15	3.06	4.15	5.10	6.04	6.98	7.93	8.87	9.82	10.76	11.70	12.65	
	20	13.09	4.17	3.14	3.80	4.66	5.51	6.37	7.23	8.09	8.95	9.80	10.66	11.52	12.38
	21	13.50	4.19	3.22		4.22	4.99	5.76	6.53	7.30	8.08	8.85	9.62	10.39	11.17
	22	13.90	4.20	3.31			4.46	5.15	5.83	6.52	7.21	7.89	8.58	9.27	9.95
45	16	10.96	4.51	2.43	4.87	6.07	7.28	8.48	9.68	10.88					
	17	11.34	4.53	2.51	4.54	5.66	6.77	7.89	9.01	10.12	11.24				
	18	11.73	4.55	2.58	4.21	5.24	6.27	7.30	8.33	9.36	10.39	11.43			
	19	12.11	4.57	2.65	3.88	4.83	5.77	6.72	7.66	8.61	9.55	10.49	11.44		
	20	12.49	4.59	2.72	3.55	4.41	5.27	6.13	6.99	7.85	8.70	9.56	10.42	11.28	12.14
	21	12.88	4.61	2.79		3.99	4.77	5.54	6.31	7.09	7.86	8.63	9.41	10.18	10.95
	22	13.26	4.63	2.87			4.27	4.95	5.64	6.33	7.01	7.70	8.39	9.08	9.76
50	16	10.60	4.94	2.15	4.66	5.87	7.08	8.29	9.50						
	17	10.97	4.96	2.21	4.35	5.47	6.59	7.72	8.84	9.96					
	18	11.34	4.98	2.28	4.03	5.07	6.11	7.14	8.18	9.21	10.25	11.29			
	19	11.71	5.00	2.34	3.72	4.67	5.62	6.57	7.52	8.47	9.42	10.37	11.32		
	20	12.08	5.03	2.40	3.40	4.27	5.13	5.99	6.86	7.72	8.58	9.45	10.31	11.18	12.04
	21	12.46	5.05	2.47		3.87	4.64	5.42	6.20	6.97	7.75	8.53	9.31	10.08	10.86
	22	12.83	5.07	2.53			4.15	4.85	5.54	6.23	6.92	7.61	8.30	8.99	9.68
												Indoor Fan Power (kW)		0.25	



CAPACITY SELECTION DATA

CRV13BT / EVV13BS

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	10.30	2.27	4.54	5.43	6.43	7.44	8.44	9.45						
	17	10.66	2.28	4.68	5.06	5.99	6.92	7.86	8.79	9.72	10.65				
	18	11.02	2.29	4.82	4.69	5.55	6.41	7.27	8.13	8.99	9.85	10.72			
	19	11.38	2.30	4.95	4.32	5.11	5.90	6.69	7.48	8.27	9.05	9.84	10.63		
	20	11.74	2.31	5.09	3.95	4.67	5.38	6.10	6.82	7.54	8.25	8.97	9.69	10.41	11.13
	21	12.10	2.32	5.22		4.23	4.87	5.52	6.16	6.81	7.45	8.10	8.75	9.39	10.04
	22	12.46	2.33	5.35			4.36	4.93	5.51	6.08	6.65	7.23	7.80	8.38	8.95
30	16	10.00	2.46	4.07	5.14	6.16	7.19	8.21	9.23						
	17	10.35	2.47	4.19	4.79	5.74	6.69	7.64	8.59	9.54					
	18	10.70	2.48	4.32	4.44	5.32	6.20	7.07	7.95	8.82	9.70	10.58			
	19	11.05	2.49	4.44	4.09	4.90	5.70	6.50	7.31	8.11	8.91	9.72	10.52		
	20	11.40	2.50	4.56	3.75	4.48	5.21	5.94	6.67	7.40	8.13	8.86	9.59	10.32	11.05
	21	11.74	2.51	4.68		4.05	4.71	5.37	6.02	6.68	7.34	8.00	8.65	9.31	9.97
	22	12.09	2.52	4.79			4.22	4.80	5.38	5.97	6.55	7.14	7.72	8.30	8.89
35	16	9.70	2.65	3.66	4.87	5.90	6.94	7.98	9.02						
	17	10.04	2.66	3.78	4.54	5.50	6.46	7.43	8.39	9.35					
	18	10.38	2.67	3.89	4.21	5.10	5.99	6.87	7.76	8.65	9.54				
	19	10.72	2.68	3.99	3.88	4.69	5.51	6.32	7.14	7.95	8.77	9.58	10.40		
	20	11.05	2.69	4.10	3.55	4.29	5.03	5.77	6.51	7.25	7.99	8.74	9.48	10.22	10.96
	21	11.39	2.71	4.21		3.88	4.55	5.22	5.89	6.55	7.22	7.89	8.56	9.22	9.89
	22	11.73	2.72	4.32			4.07	4.67	5.26	5.85	6.45	7.04	7.63	8.23	8.82
40	16	9.30	2.91	3.19	4.56	5.60	6.64	7.68	8.73						
	17	9.62	2.92	3.29	4.25	5.22	6.19	7.15	8.12	9.09					
	18	9.94	2.94	3.39	3.94	4.84	5.73	6.62	7.52	8.41	9.30				
	19	10.27	2.95	3.48	3.64	4.45	5.27	6.09	6.91	7.73	8.55	9.37	10.19		
	20	10.59	2.96	3.57	3.33	4.07	4.82	5.56	6.31	7.05	7.79	8.54	9.28	10.03	
	21	10.91	2.98	3.67		3.69	4.36	5.03	5.70	6.37	7.04	7.71	8.38	9.05	9.72
	22	11.24	2.99	3.76			3.90	4.50	5.10	5.69	6.29	6.88	7.48	8.07	8.67
45	16	8.87	3.20	2.77	4.26	5.30	6.35	7.39	8.43						
	17	9.18	3.22	2.85	3.97	4.94	5.91	6.88	7.85	8.82					
	18	9.49	3.23	2.94	3.69	4.58	5.47	6.37	7.26	8.16	9.05				
	19	9.80	3.25	3.02	3.40	4.22	5.04	5.86	6.68	7.50	8.32	9.14			
	20	10.11	3.26	3.10	3.11	3.86	4.60	5.35	6.09	6.84	7.59	8.33	9.08	9.82	
	21	10.41	3.28	3.18		3.50	4.17	4.84	5.51	6.18	6.85	7.52	8.19	8.86	9.54
	22	10.72	3.29	3.26			3.73	4.33	4.93	5.52	6.12	6.72	7.31	7.91	8.50
50	16	8.58	3.51	2.45	4.08	5.13	6.18	7.23	8.27						
	17	8.88	3.53	2.52	3.81	4.78	5.75	6.73	7.70	8.68					
	18	9.18	3.54	2.59	3.53	4.43	5.33	6.23	7.13	8.03	8.93				
	19	9.48	3.56	2.66	3.26	4.08	4.91	5.73	6.56	7.38	8.20	9.03			
	20	9.78	3.57	2.74	2.99	3.74	4.48	5.23	5.98	6.73	7.48	8.23	8.98	9.73	
	21	10.08	3.59	2.81		3.39	4.06	4.74	5.41	6.08	6.76	7.43	8.11	8.78	9.46
	22	10.37	3.60	2.88			3.64	4.24	4.84	5.44	6.04	6.64	7.23	7.83	8.43
Indoor Fan Power (kW)													0.25		



CAPACITY SELECTION DATA

CRV13BT / EVV13BS

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	7.28	1.48	4.93	4.38	5.18	5.98	6.79							
	17	7.53	1.48	5.07	4.09	4.83	5.58	6.32	7.06						
	18	7.79	1.49	5.22	3.79	4.48	5.17	5.85	6.54	7.23					
	19	8.04	1.50	5.37	3.50	4.13	4.76	5.39	6.02	6.65	7.28	7.91			
	20	8.29	1.50	5.51	3.20	3.77	4.35	4.92	5.49	6.06	6.64	7.21	7.78		
	21	8.54	1.51	5.65		3.42	3.94	4.45	4.97	5.48	6.00	6.51	7.03	7.55	8.06
	22	8.79	1.52	5.79			3.53	3.99	4.44	4.90	5.36	5.82	6.28	6.73	7.19
30	16	7.07	1.60	4.41	4.15	4.97	5.79	6.60							
	17	7.32	1.61	4.55	3.88	4.63	5.39	6.15	6.90						
	18	7.56	1.62	4.68	3.60	4.30	4.99	5.69	6.39	7.09					
	19	7.81	1.62	4.81	3.32	3.96	4.60	5.24	5.88	6.52	7.16	7.80			
	20	8.05	1.63	4.94	3.04	3.62	4.20	4.79	5.37	5.95	6.53	7.12	7.70		
	21	8.29	1.64	5.06		3.28	3.81	4.33	4.86	5.38	5.91	6.43	6.96	7.48	8.00
	22	8.54	1.65	5.19			3.41	3.88	4.35	4.81	5.28	5.74	6.21	6.68	7.14
35	16	6.87	1.73	3.98	3.93	4.76	5.59	6.42							
	17	7.10	1.73	4.09	3.67	4.44	5.21	5.98	6.75						
	18	7.34	1.74	4.21	3.41	4.12	4.83	5.54	6.25	6.96					
	19	7.58	1.75	4.33	3.14	3.79	4.45	5.10	5.75	6.40	7.05				
	20	7.81	1.76	4.44	2.88	3.47	4.06	4.66	5.25	5.84	6.43	7.02	7.61		
	21	8.05	1.77	4.56		3.15	3.68	4.22	4.75	5.28	5.81	6.34	6.88	7.41	7.94
	22	8.29	1.77	4.67			3.30	3.77	4.25	4.72	5.19	5.67	6.14	6.61	7.09
40	16	6.58	1.90	3.47	3.69	4.52	5.35	6.18							
	17	6.81	1.91	3.57	3.44	4.21	4.99	5.76	6.53						
	18	7.03	1.92	3.67	3.20	3.91	4.62	5.34	6.05	6.76					
	19	7.26	1.92	3.77	2.95	3.60	4.26	4.91	5.57	6.22	6.87				
	20	7.49	1.93	3.87	2.71	3.30	3.89	4.49	5.08	5.68	6.27	6.86	7.46		
	21	7.71	1.94	3.97		3.00	3.53	4.06	4.60	5.13	5.67	6.20	6.74	7.27	0.00
	22	7.94	1.95	4.07			3.17	3.64	4.12	4.59	5.07	5.54	6.02	6.49	6.97
45	16	6.29	2.09	3.01	3.45	4.28	5.11	5.95							
	17	6.50	2.10	3.10	3.22	3.99	4.77	5.54	6.31						
	18	6.72	2.11	3.19	2.99	3.71	4.42	5.13	5.85	6.56					
	19	6.93	2.12	3.27	2.76	3.42	4.07	4.73	5.38	6.03	6.69				
	20	7.15	2.13	3.36	2.54	3.13	3.72	4.32	4.91	5.51	6.10	6.70			
	21	7.36	2.14	3.45		2.84	3.38	3.91	4.45	4.98	5.52	6.05	6.59	7.12	
	22	7.58	2.15	3.53			3.03	3.51	3.98	4.46	4.93	5.41	5.88	6.36	6.84
50	16	6.08	2.29	2.66	3.31	4.14	4.98	5.82							
	17	6.29	2.30	2.74	3.09	3.86	4.64	5.42	6.20						
	18	6.50	2.31	2.81	2.87	3.59	4.30	5.02	5.74	6.46					
	19	6.71	2.32	2.89	2.65	3.31	3.97	4.62	5.28	5.94	6.60				
	20	6.92	2.33	2.97	2.43	3.03	3.63	4.23	4.82	5.42	6.02	6.62			
	21	7.13	2.34	3.04		2.75	3.29	3.83	4.37	4.91	5.44	5.98	6.52	7.06	
	22	7.34	2.35	3.12			2.95	3.43	3.91	4.39	4.87	5.35	5.82	6.30	6.78
Indoor Fan Power (kW)													0.25		

CAPACITY SELECTION DATA

CRV13BT / EVV13BS

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	9.60	7.93	9.55	7.89	9.50	7.85	9.46	7.82	9.41	7.78
-8	10.21	8.31	10.16	8.27	10.10	8.23	10.05	8.18	10.00	8.14
-6	10.83	8.70	10.76	8.65	10.70	8.60	10.64	8.55	10.57	8.49
-4	11.38	9.10	11.30	9.04	11.23	8.98	11.16	8.93	11.09	8.87
-2	11.92	9.49	11.84	9.43	11.76	9.36	11.67	9.30	11.59	9.23
0	12.46	9.89	12.38	9.82	12.29	9.75	12.20	9.67	12.11	9.60
2	12.75	10.63	12.66	10.55	12.56	10.47	12.46	10.38	12.36	10.30
4	12.78	11.72	12.67	11.62	12.58	11.53	12.47	11.43	12.36	11.33
6	12.80	12.80	12.70	12.70	12.59	12.59	12.51	12.51	12.40	12.40
8	13.47	13.47	13.39	13.28	13.28	13.28	13.16	13.16	13.03	13.03
10	14.21	14.21	14.09	13.96	13.96	13.96	13.83	13.83	13.69	13.69
12	14.95	14.95	14.81	14.67	14.67	14.67	14.53	14.53	14.38	14.38
14	15.72	15.72	15.57	15.41	15.41	15.41	15.25	15.25	15.09	15.09
16	16.51	16.51	16.35	16.17	16.17	16.17	16.00	16.00	15.83	15.83
18	17.33	17.33	17.15	16.97	16.97	16.97	16.79	16.79	16.60	16.60

AIRFLOW CORRECTION MULTIPLIER

% VARIATION	-20%	-15%	-10%	-5%	Nominal	5%	10%	15%	20%
INDOOR AIRFLOW (l/s)	520	552.5	585	617.5	650	682.5	715	747.5	780
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.

PIPE LENGTH CORRECTION MULTIPLIER

	5m	10m	20m	30m	40m	50m	60m
COOLING	1.000	0.992	0.975	0.959	0.943	0.927	0.912
HEATING	1.000	1.000	1.000	1.000	1.000	1.000	1.000

NOTE: Correction multipliers are based on horizontal pipe runs.

CAPACITY SELECTION DATA

CRV15BT / EVV15BS

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	14.50	3.60	4.02	7.14	8.45	9.76	11.07	12.38	13.69					
	17	15.04	3.64	4.14	6.67	7.89	9.11	10.33	11.54	12.76	13.98				
	18	15.59	3.67	4.25	6.20	7.33	8.45	9.58	10.71	11.84	12.97	14.09	15.22		
	19	16.13	3.70	4.36	5.73	6.76	7.80	8.84	9.88	10.91	11.95	12.99	14.03	15.06	16.10
	20	16.67	3.73	4.47	5.25	6.20	7.15	8.10	9.04	9.99	10.94	11.88	12.83	13.78	14.73
	21	17.22	3.76	4.58		5.64	6.50	7.35	8.21	9.07	9.92	10.78	11.64	12.49	13.35
	22	17.76	3.79	4.69			5.84	6.61	7.38	8.14	8.91	9.67	10.44	11.21	11.97
30	16	13.96	3.92	3.57	6.91	8.19	9.47	10.75	12.03	13.31					
	17	14.51	3.95	3.68	6.46	7.65	8.84	10.04	11.23	12.42	13.61				
	18	15.06	3.98	3.79	6.01	7.11	8.22	9.32	10.43	11.53	12.64	13.74	14.85		
	19	15.61	4.01	3.89	5.56	6.58	7.59	8.61	9.63	10.65	11.66	12.68	13.70	14.72	
	20	16.16	4.04	4.00	5.11	6.04	6.97	7.90	8.83	9.76	10.69	11.62	12.55	13.48	14.41
	21	16.71	4.07	4.10		5.50	6.34	7.19	8.03	8.87	9.71	10.56	11.40	12.24	13.09
	22	17.26	4.11	4.20			5.72	6.47	7.23	7.98	8.74	9.50	10.25	11.01	11.76
35	16	13.43	4.23	3.18	6.68	7.93	9.18	10.44	11.69	12.94					
	17	13.99	4.26	3.28	6.25	7.42	8.59	9.75	10.92	12.08	13.25				
	18	14.54	4.29	3.39	5.82	6.90	7.99	9.07	10.15	11.23	12.32	13.40	14.48		
	19	15.10	4.33	3.49	5.39	6.39	7.39	8.39	9.38	10.38	11.38	12.38	13.37	14.37	
	20	15.66	4.36	3.59	4.96	5.88	6.79	7.70	8.62	9.53	10.44	11.36	12.27	13.18	14.10
	21	16.21	4.39	3.69		5.36	6.19	7.02	7.85	8.68	9.51	10.34	11.16	11.99	12.82
	22	16.77	4.42	3.79			5.59	6.34	7.08	7.83	8.57	9.32	10.06	10.80	11.55
40	16	12.31	4.55	2.71	6.19	7.35	8.52	9.69	10.86	12.02					
	17	12.84	4.58	2.80	5.79	6.88	7.97	9.06	10.15	11.24	12.33				
	18	13.38	4.62	2.90	5.40	6.41	7.43	8.44	9.45	10.46	11.47	12.49			
	19	13.91	4.65	2.99	5.01	5.94	6.88	7.81	8.75	9.68	10.62	11.55	12.48	13.42	
	20	14.44	4.68	3.08	4.62	5.47	6.33	7.19	8.04	8.90	9.76	10.61	11.47	12.33	13.18
	21	14.98	4.72	3.17		5.00	5.78	6.56	7.34	8.12	8.90	9.68	10.46	11.24	12.01
	22	15.51	4.75	3.26			5.24	5.94	6.64	7.34	8.04	8.74	9.44	10.14	10.84
45	16	11.21	4.88	2.30	5.53	6.57	7.62	8.67	9.72	10.77					
	17	11.71	4.91	2.39	5.18	6.16	7.14	8.12	9.10	10.08	11.06				
	18	12.22	4.94	2.47	4.84	5.75	6.66	7.57	8.48	9.40	10.31	11.22	12.13		
	19	12.73	4.98	2.56	4.49	5.34	6.18	7.02	7.86	8.71	9.55	10.39	11.23	12.08	
	20	13.24	5.01	2.64	4.15	4.92	5.70	6.47	7.24	8.02	8.79	9.56	10.34	11.11	11.88
	21	13.74	5.05	2.72		4.51	5.22	5.92	6.62	7.33	8.03	8.74	9.44	10.15	10.85
	22	14.25	5.08	2.81			4.73	5.37	6.01	6.64	7.28	7.91	8.55	9.18	9.82
50	16	10.58	5.36	1.97	5.56	6.63	7.70	8.77	9.84						
	17	11.08	5.40	2.05	5.22	6.22	7.22	8.22	9.22	10.22					
	18	11.58	5.43	2.13	4.88	5.81	6.74	7.67	8.60	9.53	10.46	11.40			
	19	12.08	5.47	2.21	4.54	5.40	6.26	7.12	7.98	8.85	9.71	10.57	11.43		
	20	12.58	5.50	2.29	4.20	4.99	5.78	6.57	7.36	8.16	8.95	9.74	10.53	11.32	12.12
	21	13.09	5.54	2.36		4.58	5.30	6.02	6.74	7.47	8.19	8.91	9.64	10.36	11.08
	22	13.59	5.57	2.44			4.82	5.47	6.13	6.78	7.43	8.08	8.74	9.39	10.04
Indoor Fan Power (kW)													0.30		

CAPACITY SELECTION DATA

CRV15BT / EVV15BS

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	11.79	2.61	4.51	6.16	7.28	8.40	9.52	10.64	11.76					
	17	12.23	2.64	4.64	5.76	6.80	7.84	8.88	9.93	10.97	12.01				
	18	12.67	2.66	4.77	5.35	6.32	7.28	8.25	9.21	10.18	11.14	12.11			
	19	13.11	2.68	4.89	4.95	5.83	6.72	7.61	8.50	9.39	10.28	11.16	12.05	12.94	
	20	13.55	2.70	5.02	4.54	5.35	6.16	6.97	7.79	8.60	9.41	10.22	11.03	11.84	12.65
	21	13.99	2.72	5.14		4.87	5.60	6.34	7.07	7.81	8.54	9.27	10.01	10.74	11.47
	22	14.43	2.75	5.25			5.05	5.70	6.36	7.01	7.67	8.33	8.98	9.64	10.30
30	16	11.36	2.84	4.00	5.96	7.06	8.15	9.25	10.34						
	17	11.80	2.86	4.13	5.57	6.60	7.62	8.64	9.66	10.68	11.70				
	18	12.25	2.88	4.25	5.19	6.13	7.08	8.03	8.97	9.92	10.87	11.81			
	19	12.69	2.91	4.37	4.80	5.67	6.54	7.42	8.29	9.16	10.03	10.90	11.77	12.64	
	20	13.14	2.93	4.48	4.42	5.21	6.01	6.81	7.60	8.40	9.20	9.99	10.79	11.59	12.38
	21	13.59	2.95	4.60		4.75	5.47	6.20	6.92	7.64	8.36	9.08	9.80	10.53	11.25
	22	14.03	2.98	4.71			4.94	5.58	6.23	6.88	7.53	8.17	8.82	9.47	10.12
35	16	10.93	3.06	3.57	5.77	6.84	7.91	8.98	10.05						
	17	11.38	3.09	3.69	5.40	6.40	7.39	8.39	9.39	10.39					
	18	11.83	3.11	3.80	5.03	5.95	6.88	7.81	8.73	9.66	10.59	11.51			
	19	12.28	3.14	3.92	4.66	5.51	6.37	7.22	8.08	8.93	9.79	10.64	11.49		
	20	12.73	3.16	4.03	4.29	5.07	5.86	6.64	7.42	8.20	8.98	9.77	10.55	11.33	12.11
	21	13.18	3.18	4.14		4.63	5.34	6.05	6.76	7.47	8.18	8.89	9.60	10.31	11.02
	22	13.63	3.21	4.25			4.83	5.47	6.11	6.74	7.38	8.02	8.66	9.29	9.93
40	16	10.02	3.30	3.04	5.34	6.34	7.34	8.34	9.34						
	17	10.45	3.32	3.15	5.00	5.94	6.87	7.80	8.74	9.67					
	18	10.88	3.35	3.25	4.67	5.53	6.40	7.27	8.13	9.00	9.87	10.73			
	19	11.32	3.37	3.36	4.33	5.13	5.93	6.73	7.53	8.33	9.13	9.93	10.73		
	20	11.75	3.40	3.46	4.00	4.73	5.46	6.20	6.93	7.66	8.40	9.13	9.86	10.60	11.33
	21	12.18	3.42	3.56		4.33	4.99	5.66	6.33	7.00	7.66	8.33	9.00	9.66	10.33
	22	12.61	3.44	3.66			4.53	5.13	5.73	6.33	6.93	7.53	8.13	8.73	9.33
45	16	9.13	3.53	2.58	4.77	5.67	6.57	7.47	8.37						
	17	9.54	3.56	2.68	4.48	5.32	6.16	7.00	7.84	8.68	9.52				
	18	9.95	3.58	2.78	4.19	4.97	5.75	6.53	7.31	8.09	8.87	9.65			
	19	10.36	3.61	2.87	3.89	4.61	5.33	6.06	6.78	7.50	8.22	8.94	9.66		
	20	10.77	3.63	2.97	3.60	4.26	4.92	5.58	6.25	6.91	7.57	8.23	8.89	9.56	10.22
	21	11.18	3.66	3.06		3.91	4.51	5.11	5.72	6.32	6.92	7.52	8.13	8.73	9.33
	22	11.59	3.68	3.15			4.10	4.64	5.18	5.73	6.27	6.82	7.36	7.90	8.45
50	16	8.62	3.89	2.22	4.81	5.72	6.64	7.55	8.47						
	17	9.03	3.91	2.31	4.51	5.37	6.23	7.08	7.94	8.80					
	18	9.43	3.94	2.40	4.22	5.02	5.81	6.61	7.41	8.21	9.00				
	19	9.84	3.96	2.48	3.93	4.67	5.40	6.14	6.88	7.62	8.35	9.09	9.83		
	20	10.24	3.99	2.57	3.64	4.31	4.99	5.67	6.35	7.03	7.70	8.38	9.06	9.74	
	21	10.65	4.01	2.65		3.96	4.58	5.20	5.82	6.44	7.06	7.67	8.29	8.91	9.53
	22	11.05	4.04	2.74			4.17	4.73	5.29	5.85	6.41	6.97	7.52	8.08	8.64
Indoor Fan Power (kW)													0.30		

CAPACITY SELECTION DATA

CRV15BT / EVV15BS

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	8.49	1.76	4.83	5.00	5.90	6.80	7.69							
	17	8.80	1.77	4.96	4.68	5.51	6.35	7.18	8.02						
	18	9.11	1.79	5.09	4.35	5.13	5.90	6.67	7.45	8.22	9.00				
	19	9.43	1.80	5.23	4.03	4.74	5.45	6.16	6.88	7.59	8.30	9.01			
	20	9.74	1.82	5.36	3.70	4.35	5.00	5.65	6.30	6.95	7.60	8.25	8.91	9.56	
	21	10.05	1.83	5.48		3.97	4.55	5.14	5.73	6.32	6.91	7.50	8.08	8.67	9.26
	22	10.37	1.85	5.61			4.11	4.63	5.16	5.68	6.21	6.74	7.26	7.79	8.32
30	16	8.18	1.91	4.28	4.84	5.72	6.60	7.48							
	17	8.49	1.93	4.41	4.53	5.35	6.17	6.99	7.81						
	18	8.81	1.94	4.54	4.22	4.98	5.74	6.50	7.26	8.01	8.77				
	19	9.13	1.96	4.66	3.91	4.61	5.31	6.01	6.71	7.41	8.10	8.80			
	20	9.45	1.97	4.79	3.60	4.24	4.88	5.52	6.16	6.80	7.43	8.07	8.71	9.35	
	21	9.76	1.99	4.91		3.87	4.45	5.03	5.61	6.19	6.77	7.34	7.92	8.50	9.08
	22	10.08	2.00	5.03			4.02	4.54	5.06	5.58	6.10	6.61	7.13	7.65	8.17
35	16	7.87	2.06	3.82	4.68	5.54	6.40	7.26							
	17	8.19	2.08	3.94	4.39	5.19	5.99	6.79	7.59						
	18	8.51	2.09	4.06	4.09	4.84	5.58	6.32	7.06	7.81					
	19	8.83	2.11	4.19	3.80	4.48	5.17	5.85	6.54	7.22	7.91	8.59			
	20	9.15	2.13	4.30	3.50	4.13	4.76	5.38	6.01	6.64	7.27	7.89	8.52	9.15	
	21	9.47	2.14	4.42		3.78	4.34	4.91	5.48	6.05	6.62	7.19	7.76	8.33	8.90
	22	9.79	2.16	4.54			3.93	4.44	4.96	5.47	5.98	6.49	7.00	7.51	8.03
40	16	7.22	2.22	3.25	4.34	5.14	5.94	6.75							
	17	7.53	2.24	3.37	4.07	4.82	5.57	6.32	7.07						
	18	7.84	2.25	3.48	3.80	4.50	5.19	5.89	6.58	7.28					
	19	8.15	2.27	3.59	3.53	4.18	4.82	5.46	6.10	6.74	7.38	8.03			
	20	8.46	2.29	3.70	3.26	3.85	4.44	5.03	5.62	6.21	6.79	7.38	7.97		
	21	8.76	2.30	3.81		3.53	4.07	4.60	5.14	5.67	6.20	6.74	7.27	7.81	8.34
	22	9.07	2.32	3.91			3.69	4.17	4.65	5.13	5.62	6.10	6.58	7.06	7.54
45	16	6.59	2.38	2.77	3.89	4.61	5.33	6.05							
	17	6.88	2.40	2.87	3.65	4.33	5.00	5.67	6.35						
	18	7.17	2.41	2.97	3.42	4.04	4.67	5.29	5.92	6.55	7.17				
	19	7.47	2.43	3.07	3.18	3.76	4.34	4.92	5.49	6.07	6.65	7.23			
	20	7.76	2.45	3.17	2.94	3.48	4.01	4.54	5.07	5.60	6.13	6.66	7.19	7.72	
	21	8.05	2.46	3.27		3.19	3.68	4.16	4.64	5.13	5.61	6.09	6.58	7.06	7.55
	22	8.34	2.48	3.37			3.35	3.78	4.22	4.65	5.09	5.53	5.96	6.40	6.84
50	16	6.23	2.62	2.38	3.91	4.65	5.38	6.12							
	17	6.52	2.63	2.47	3.68	4.37	5.05	5.74	6.43						
	18	6.81	2.65	2.57	3.44	4.08	4.72	5.36	6.00	6.64					
	19	7.09	2.67	2.66	3.21	3.80	4.39	4.98	5.58	6.17	6.76				
	20	7.38	2.69	2.75	2.98	3.52	4.06	4.61	5.15	5.69	6.24	6.78	7.33		
	21	7.67	2.70	2.84		3.24	3.73	4.23	4.73	5.22	5.72	6.21	6.71	7.21	
	22	7.96	2.72	2.93			3.40	3.85	4.30	4.75	5.20	5.65	6.09	6.54	6.99
													Indoor Fan Power (kW)		0.30

CAPACITY SELECTION DATA

CRV15BT / EVV15BS

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	13.16	10.82	13.10	10.77	13.03	10.71	12.97	10.67	12.91	10.61
-8	14.17	11.32	14.10	11.26	14.02	11.20	13.95	11.14	13.88	11.08
-6	15.20	11.82	15.11	11.76	15.02	11.69	14.93	11.62	14.83	11.54
-4	16.26	12.59	16.15	12.51	16.05	12.43	15.95	12.35	15.84	12.27
-2	17.33	13.61	17.22	13.52	17.10	13.43	16.98	13.33	16.86	13.24
0	18.42	14.63	18.29	14.53	18.16	14.42	18.02	14.32	17.89	14.21
2	18.16	15.11	18.03	14.99	17.89	14.88	17.74	14.76	17.60	14.64
4	16.56	15.03	16.42	14.91	16.29	14.79	16.16	14.66	16.01	14.53
6	14.95	14.95	14.82	14.82	14.70	14.70	14.61	14.61	14.48	14.48
8	15.73	15.73	15.64	15.50	15.50	15.50	15.36	15.36	15.22	15.22
10	16.60	16.60	16.45	16.30	16.30	16.30	16.15	16.15	15.99	15.99
12	17.46	17.46	17.29	17.13	17.13	17.13	16.96	16.96	16.79	16.79
14	18.36	18.36	18.18	17.99	17.99	17.99	17.81	17.81	17.62	17.62
16	19.28	19.28	19.08	18.88	18.88	18.88	18.68	18.68	18.49	18.49
18	20.24	20.24	20.03	19.82	19.82	19.82	19.60	19.60	19.38	19.38

AIRFLOW CORRECTION MULTIPLIER

% VARIATION	-20%	-15%	-10%	-5%	Nominal	5%	10%	15%	20%
INDOOR AIRFLOW (l/s)	616	654.5	693	731.5	770	808.5	847	885.5	920
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.

PIPE LENGTH CORRECTION MULTIPLIER

	5m	10m	20m	30m	40m	50m	60m
COOLING	1.000	0.992	0.975	0.959	0.943	0.927	0.912
HEATING	1.000	1.000	1.000	1.000	1.000	1.000	1.000

NOTE: Correction multipliers are based on horizontal pipe runs.

CAPACITY SELECTION DATA

CRV17BT / EVV17BS

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	16.70	4.27	3.91	8.62	10.22	11.82	13.42	15.02	16.62					
	17	17.29	4.29	4.03	8.04	9.52	11.01	12.49	13.98	15.46	16.95				
	18	17.87	4.31	4.15	7.45	8.82	10.19	11.56	12.93	14.30	15.67	17.04			
	19	18.45	4.33	4.26	6.86	8.12	9.37	10.63	11.89	13.14	14.40	15.66	16.91	18.17	
	20	19.04	4.35	4.38	6.27	7.41	8.55	9.70	10.84	11.98	13.12	14.27	15.41	16.55	17.70
	21	19.62	4.37	4.49		6.71	7.74	8.77	9.79	10.82	11.85	12.88	13.91	14.94	15.96
	22	20.20	4.38	4.61			6.92	7.83	8.75	9.66	10.58	11.49	12.41	13.32	14.23
30	16	16.22	4.63	3.50	8.17	9.80	11.42	13.05	14.68						
	17	16.78	4.65	3.61	7.61	9.13	10.64	12.15	13.66	15.17	16.68				
	18	17.35	4.67	3.71	7.06	8.45	9.85	11.24	12.64	14.03	15.43	16.82			
	19	17.92	4.69	3.82	6.50	7.78	9.06	10.34	11.62	12.89	14.17	15.45	16.73		
	20	18.48	4.71	3.92	5.95	7.11	8.27	9.43	10.60	11.76	12.92	14.08	15.25	16.41	17.57
	21	19.05	4.73	4.03		6.44	7.48	8.53	9.57	10.62	11.67	12.71	13.76	14.81	15.85
	22	19.62	4.75	4.13			6.69	7.62	8.55	9.48	10.41	11.34	12.27	13.20	14.13
35	16	15.73	4.99	3.15	7.73	9.38	11.03	12.68	14.34						
	17	16.28	5.01	3.25	7.20	8.74	10.27	11.81	13.34	14.87					
	18	16.83	5.03	3.34	6.68	8.10	9.51	10.93	12.34	13.76	15.18	16.59			
	19	17.38	5.05	3.44	6.15	7.45	8.75	10.05	11.35	12.65	13.94	15.24	16.54		
	20	17.93	5.08	3.53	5.63	6.81	7.99	9.17	10.35	11.53	12.71	13.89	15.07	16.25	17.43
	21	18.48	5.10	3.62		6.17	7.23	8.29	9.35	10.42	11.48	12.54	13.60	14.67	15.73
	22	19.03	5.12	3.72			6.47	7.41	8.36	9.30	10.25	11.19	12.13	13.08	14.02
40	16	15.07	5.48	2.75	7.24	8.90	10.56	12.22	13.88						
	17	15.60	5.51	2.83	6.75	8.29	9.83	11.37	12.91	14.45					
	18	16.12	5.53	2.91	6.26	7.68	9.10	10.53	11.95	13.37	14.79				
	19	16.65	5.56	3.00	5.77	7.07	8.38	9.68	10.99	12.29	13.59	14.90	16.20		
	20	17.17	5.58	3.08	5.28	6.47	7.65	8.84	10.02	11.21	12.39	13.58	14.76	15.95	17.13
	21	17.70	5.61	3.16		5.86	6.92	7.99	9.06	10.12	11.19	12.26	13.33	14.39	15.46
	22	18.23	5.63	3.24			6.20	7.15	8.09	9.04	9.99	10.94	11.89	12.84	13.78
45	16	14.39	6.04	2.38	6.76	8.42	10.08	11.75	13.41						
	17	14.89	6.06	2.46	6.31	7.85	9.39	10.93	12.48	14.02					
	18	15.39	6.09	2.53	5.85	7.28	8.70	10.12	11.55	12.97	14.39				
	19	15.89	6.12	2.60	5.40	6.70	8.01	9.31	10.62	11.92	13.23	14.53	15.84		
	20	16.39	6.14	2.67	4.94	6.13	7.31	8.50	9.69	10.87	12.06	13.25	14.43	15.62	
	21	16.89	6.17	2.74		5.55	6.62	7.69	8.76	9.82	10.89	11.96	13.03	14.10	15.16
	22	17.39	6.20	2.81			5.93	6.88	7.83	8.78	9.72	10.67	11.62	12.57	13.52
50	16	13.92	6.61	2.10	6.48	8.15	9.82	11.49	13.16						
	17	14.40	6.64	2.17	6.04	7.59	9.14	10.69	12.24	13.80					
	18	14.89	6.67	2.23	5.61	7.04	8.47	9.90	11.33	12.76	14.20				
	19	15.37	6.70	2.29	5.17	6.48	7.80	9.11	10.42	11.73	13.04	14.36			
	20	15.85	6.73	2.36	4.74	5.93	7.12	8.31	9.51	10.70	11.89	13.09	14.28	15.47	
	21	16.34	6.76	2.42		5.37	6.45	7.52	8.60	9.67	10.74	11.82	12.89	13.96	15.04
	22	16.82	6.79	2.48			5.77	6.73	7.68	8.64	9.59	10.55	11.50	12.46	13.41
Indoor Fan Power (kW)													0.38		

CAPACITY SELECTION DATA

CRV17BT / EVV17BS

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	13.52	3.04	4.45	7.53	8.92	10.31	11.70	13.08						
	17	13.99	3.05	4.59	7.02	8.31	9.60	10.89	12.18	13.46					
	18	14.46	3.06	4.72	6.51	7.70	8.89	10.08	11.27	12.46	13.65				
	19	14.93	3.08	4.85	6.00	7.09	8.18	9.27	10.36	11.45	12.54	13.63	14.72		
	20	15.40	3.09	4.98	5.49	6.48	7.47	8.46	9.45	10.45	11.44	12.43	13.42	14.41	
	21	15.87	3.10	5.11		5.87	6.76	7.66	8.55	9.44	10.33	11.22	12.12	13.01	13.90
	22	16.34	3.12	5.24			6.05	6.85	7.64	8.43	9.23	10.02	10.81	11.61	12.40
30	16	13.13	3.29	3.99	7.14	8.55	9.96	11.37	12.79						
	17	13.59	3.31	4.11	6.66	7.97	9.28	10.59	11.90	13.21					
	18	14.04	3.32	4.23	6.17	7.38	8.59	9.80	11.01	12.22	13.43				
	19	14.50	3.33	4.35	5.69	6.80	7.91	9.02	10.13	11.24	12.35	13.46			
	20	14.95	3.35	4.46	5.21	6.22	7.23	8.23	9.24	10.25	11.26	12.27	13.28	14.29	
	21	15.41	3.36	4.58		5.63	6.54	7.45	8.36	9.26	10.17	11.08	11.99	12.90	13.80
	22	15.87	3.38	4.70			5.86	6.66	7.47	8.28	9.08	9.89	10.70	11.51	12.31
35	16	12.74	3.55	3.59	6.76	8.19	9.62	11.06	12.49						
	17	13.18	3.56	3.70	6.30	7.63	8.96	10.29	11.62	12.96					
	18	13.62	3.58	3.81	5.85	7.07	8.30	9.53	10.76	11.99	13.22				
	19	14.07	3.59	3.91	5.39	6.52	7.64	8.77	9.90	11.02	12.15	13.27			
	20	14.51	3.61	4.02	4.93	5.96	6.98	8.01	9.03	10.05	11.08	12.10	13.13	14.15	
	21	14.95	3.63	4.12		5.40	6.32	7.24	8.17	9.09	10.01	10.93	11.85	12.77	13.70
	22	15.39	3.64	4.23			5.66	6.48	7.30	8.12	8.94	9.76	10.58	11.40	12.22
40	16	12.21	3.90	3.13	6.33	7.77	9.21	10.65	12.09						
	17	12.63	3.92	3.23	5.91	7.24	8.58	9.92	11.25	12.59					
	18	13.06	3.93	3.32	5.48	6.72	7.95	9.18	10.42	11.65	12.89				
	19	13.48	3.95	3.41	5.06	6.19	7.32	8.45	9.58	10.71	11.84	12.97			
	20	13.90	3.97	3.50	4.63	5.66	6.69	7.72	8.75	9.77	10.80	11.83	12.86	13.89	
	21	14.32	3.99	3.59		5.13	6.06	6.98	7.91	8.83	9.76	10.69	11.61	12.54	13.46
	22	14.75	4.00	3.68			5.43	6.25	7.07	7.90	8.72	9.54	10.36	11.19	12.01
45	16	11.66	4.29	2.72	5.92	7.36	8.80	10.24							
	17	12.06	4.31	2.80	5.52	6.86	8.20	9.54	10.88						
	18	12.46	4.33	2.88	5.13	6.36	7.60	8.83	10.07	11.30					
	19	12.87	4.35	2.96	4.73	5.86	7.00	8.13	9.26	10.39	11.53	12.66			
	20	13.27	4.37	3.04	4.34	5.37	6.40	7.42	8.45	9.48	10.51	11.54	12.57		
	21	13.67	4.39	3.12	0.00	4.87	5.79	6.72	7.65	8.57	9.50	10.43	11.35	12.28	13.21
	22	14.08	4.41	3.19	0.00	0.00	5.19	6.02	6.84	7.66	8.49	9.31	10.13	10.96	11.78
50	16	11.28	4.70	2.40	5.67	7.12	8.57	10.02							
	17	11.67	4.72	2.47	5.29	6.64	7.98	9.33	10.67						
	18	12.06	4.74	2.54	4.91	6.16	7.40	8.64	9.88	11.12					
	19	12.45	4.76	2.61	4.54	5.68	6.81	7.95	9.09	10.23	11.37				
	20	12.84	4.79	2.68	4.16	5.19	6.23	7.26	8.30	9.33	10.37	11.40	12.44		
	21	13.23	4.81	2.75		4.71	5.64	6.58	7.51	8.44	9.37	10.30	11.23	12.17	13.10
	22	13.62	4.83	2.82			5.06	5.89	6.72	7.54	8.37	9.20	10.03	10.86	11.68
Indoor Fan Power (kW)													0.38		



CAPACITY SELECTION DATA

CRV17BT / EVV17BS

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	9.58	1.98	4.84	6.09	7.19	8.30	9.41							
	17	9.91	1.99	4.98	5.68	6.71	7.74	8.76	9.79						
	18	10.24	2.00	5.12	5.27	6.22	7.17	8.12	9.07	10.02					
	19	10.56	2.01	5.27	4.86	5.74	6.61	7.48	8.35	9.22	10.09				
	20	10.89	2.02	5.41	4.46	5.25	6.04	6.83	7.62	8.41	9.20	9.99	10.79		
	21	11.22	2.02	5.54		4.76	5.47	6.19	6.90	7.61	8.32	9.03	9.75	10.46	11.17
	22	11.55	2.03	5.68			4.91	5.54	6.17	6.81	7.44	8.07	8.71	9.34	9.97
30	16	9.30	2.15	4.33	5.77	6.90	8.03	9.15							
	17	9.62	2.16	4.46	5.39	6.43	7.48	8.53	9.57						
	18	9.94	2.17	4.59	5.00	5.97	6.93	7.90	8.87	9.83					
	19	10.26	2.18	4.72	4.62	5.50	6.39	7.27	8.16	9.04	9.93				
	20	10.58	2.18	4.84	4.23	5.04	5.84	6.65	7.45	8.26	9.06	9.87			
	21	10.90	2.19	4.97		4.57	5.30	6.02	6.75	7.47	8.19	8.92	9.64	10.37	
	22	11.22	2.20	5.09			4.75	5.39	6.04	6.68	7.33	7.97	8.61	9.26	9.90
35	16	9.03	2.31	3.90	5.47	6.61	7.76	8.90							
	17	9.34	2.32	4.02	5.10	6.17	7.23	8.29							
	18	9.65	2.33	4.14	4.74	5.72	6.70	7.68	8.66	9.64					
	19	9.96	2.34	4.25	4.38	5.28	6.18	7.07	7.97	8.87	9.77				
	20	10.27	2.35	4.36	4.01	4.83	5.65	6.47	7.28	8.10	8.92	9.73			
	21	10.58	2.36	4.47	0.00	4.39	5.12	5.86	6.59	7.33	8.06	8.80	9.53	10.27	
	22	10.89	2.37	4.58	0.00	0.00	4.60	5.25	5.90	6.56	7.21	7.86	8.52	9.17	9.83
40	16	8.66	2.54	3.40	5.13	6.28	7.43	8.58							
	17	8.96	2.55	3.51	4.79	5.86	6.92	7.99							
	18	9.25	2.57	3.61	4.45	5.44	6.42	7.40	8.39						
	19	9.55	2.58	3.70	4.11	5.01	5.92	6.82	7.72	8.62	9.53				
	20	9.84	2.59	3.80	3.77	4.59	5.41	6.23	7.05	7.88	8.70	9.52			
	21	10.14	2.60	3.90		4.17	4.91	5.65	6.39	7.13	7.86	8.60	9.34	10.08	
	22	10.44	2.61	4.00			4.41	5.06	5.72	6.38	7.03	7.69	8.35	9.00	9.66
45	16	8.27	2.80	2.96	4.80	5.95	7.10	8.25							
	17	8.55	2.81	3.04	4.48	5.55	6.62	7.69							
	18	8.84	2.82	3.13	4.17	5.15	6.14	7.12	8.11						
	19	9.12	2.84	3.21	3.85	4.76	5.66	6.56	7.47	8.37					
	20	9.40	2.85	3.30	3.54	4.36	5.18	6.00	6.82	7.64	8.47	9.29			
	21	9.68	2.86	3.38		3.96	4.70	5.44	6.18	6.92	7.66	8.40	9.14		
	22	9.97	2.87	3.47			4.22	4.88	5.53	6.19	6.85	7.51	8.16	8.82	9.48
50	16	8.01	3.07	2.61	4.60	5.76	6.91								
	17	8.28	3.08	2.69	4.30	5.37	6.45	7.52							
	18	8.55	3.09	2.76	4.00	4.99	5.98	6.97	7.96						
	19	8.83	3.11	2.84	3.70	4.61	5.51	6.42	7.33	8.24					
	20	9.10	3.12	2.92	3.40	4.22	5.05	5.87	6.70	7.52	8.35				
	21	9.37	3.13	2.99		3.84	4.58	5.32	6.07	6.81	7.55	8.30	9.04		
	22	9.65	3.15	3.06			4.11	4.78	5.44	6.10	6.76	7.42	8.08	8.74	9.40
Indoor Fan Power (kW)													0.38		



CAPACITY SELECTION DATA

CRV17BT / EVV17BS

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	13.08	10.82	13.02	10.77	12.95	10.71	12.89	10.66	12.83	10.61
-8	14.13	11.32	14.05	11.26	13.98	11.20	13.90	11.14	13.83	11.08
-6	15.18	11.83	15.09	11.76	15.01	11.69	14.92	11.62	14.82	11.54
-4	16.25	12.58	16.14	12.50	16.03	12.42	15.93	12.34	15.83	12.26
-2	17.29	13.57	17.18	13.48	17.06	13.39	16.94	13.29	16.82	13.20
0	18.35	14.56	18.22	14.46	18.09	14.36	17.96	14.25	17.82	14.14
2	18.53	15.47	18.39	15.36	18.25	15.24	18.10	15.12	17.96	15.00
4	17.82	16.29	17.67	16.16	17.53	16.03	17.39	15.89	17.23	15.75
6	17.10	17.10	16.96	16.96	16.82	16.82	16.72	16.72	16.56	16.56
8	18.00	18.00	17.89	17.74	17.74	17.74	17.58	17.58	17.41	17.41
10	18.99	18.99	18.83	18.65	18.65	18.65	18.48	18.48	18.30	18.30
12	19.98	19.98	19.79	19.61	19.61	19.61	19.41	19.41	19.22	19.22
14	21.01	21.01	20.81	20.59	20.59	20.59	20.38	20.38	20.17	20.17
16	22.07	22.07	21.85	21.62	21.62	21.62	21.38	21.38	21.16	21.16
18	23.17	23.17	22.93	22.69	22.69	22.69	22.44	22.44	22.18	22.18

AIRFLOW CORRECTION MULTIPLIER

% VARIATION	-20%	-15%	-10%	-5%	Nominal	5%	10%	15%	20%
INDOOR AIRFLOW (l/s)	712	756.5	801	845.5	890	934.5	979	1023.5	1060
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.

PIPE LENGTH CORRECTION MULTIPLIER

	5m	10m	20m	30m	40m	50m	60m
COOLING	1.000	0.992	0.975	0.959	0.943	0.927	0.912
HEATING	1.000	1.000	1.000	1.000	1.000	1.000	1.000

NOTE: Correction multipliers are based on horizontal pipe runs.

CAPACITY SELECTION DATA

CRV19BT / EVV19BS

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	18.20	4.69	3.88	9.03	10.66	12.29	13.91	15.54	17.17					
	17	18.86	4.71	4.01	8.42	9.93	11.45	12.96	14.47	15.99	17.50				
	18	19.52	4.72	4.13	7.81	9.21	10.61	12.01	13.41	14.81	16.20	17.60	19.00		
	19	20.18	4.74	4.25	7.20	8.49	9.77	11.05	12.34	13.62	14.91	16.19	17.48	18.76	20.04
	20	20.83	4.76	4.38	6.59	7.76	8.93	10.10	11.27	12.44	13.61	14.78	15.95	17.12	18.29
	21	21.49	4.78	4.50		7.04	8.09	9.15	10.20	11.26	12.31	13.37	14.42	15.48	16.53
	22	22.15	4.79	4.62			7.25	8.19	9.13	10.07	11.02	11.96	12.90	13.84	14.78
30	16	17.67	5.08	3.48	8.60	10.25	11.89	13.54	15.19	16.83					
	17	18.31	5.10	3.59	8.02	9.55	11.08	12.61	14.14	15.68	17.21				
	18	18.95	5.12	3.70	7.44	8.86	10.27	11.69	13.10	14.52	15.93	17.35	18.76		
	19	19.59	5.14	3.81	6.86	8.16	9.46	10.76	12.06	13.36	14.66	15.96	17.25	18.55	
	20	20.23	5.16	3.92	6.28	7.47	8.65	9.83	11.02	12.20	13.38	14.56	15.75	16.93	18.11
	21	20.86	5.18	4.03		6.77	7.84	8.90	9.97	11.04	12.11	13.17	14.24	15.31	16.38
	22	21.50	5.20	4.14			7.03	7.98	8.93	9.88	10.83	11.78	12.74	13.69	14.64
35	16	17.14	5.48	3.13	8.18	9.85	11.51	13.17	14.83	16.49					
	17	17.76	5.50	3.23	7.63	9.18	10.72	12.27	13.81	15.36	16.91				
	18	18.38	5.52	3.33	7.08	8.51	9.94	11.37	12.80	14.22	15.65	17.08			
	19	19.00	5.54	3.43	6.53	7.84	9.15	10.47	11.78	13.09	14.40	15.71	17.02		
	20	19.62	5.56	3.53	5.98	7.18	8.37	9.57	10.76	11.95	13.15	14.34	15.54	16.73	17.93
	21	20.24	5.58	3.63		6.51	7.59	8.66	9.74	10.82	11.90	12.98	14.05	15.13	16.21
	22	20.86	5.60	3.72			6.80	7.76	8.72	9.68	10.65	11.61	12.57	13.53	14.49
40	16	16.42	6.02	2.73	7.71	9.37	11.03	12.69	14.36	16.02					
	17	17.01	6.05	2.81	7.19	8.74	10.28	11.83	13.37	14.91	16.46				
	18	17.61	6.07	2.90	6.68	8.10	9.53	10.96	12.39	13.81	15.24	16.67			
	19	18.20	6.09	2.99	6.16	7.47	8.78	10.09	11.40	12.71	14.02	15.33	16.64	17.95	
	20	18.79	6.11	3.07	5.64	6.84	8.03	9.22	10.42	11.61	12.80	14.00	15.19	16.39	17.58
	21	19.38	6.14	3.16		6.20	7.28	8.36	9.43	10.51	11.59	12.66	13.74	14.82	15.89
	22	19.97	6.16	3.24			6.53	7.49	8.45	9.41	10.37	11.33	12.29	13.25	14.21
45	16	15.67	6.63	2.36	7.25	8.90	10.56	12.21	13.87	15.52					
	17	16.24	6.65	2.44	6.76	8.30	9.84	11.38	12.92	14.46	15.99				
	18	16.80	6.68	2.52	6.28	7.70	9.12	10.55	11.97	13.39	14.81	16.23			
	19	17.36	6.70	2.59	5.79	7.10	8.41	9.71	11.02	12.32	13.63	14.93	16.24		
	20	17.93	6.73	2.66	5.31	6.50	7.69	8.88	10.07	11.26	12.45	13.63	14.82	16.01	17.20
	21	18.49	6.75	2.74		5.90	6.97	8.04	9.12	10.19	11.26	12.34	13.41	14.48	15.55
	22	19.06	6.78	2.81			6.25	7.21	8.17	9.12	10.08	11.04	11.99	12.95	13.91
50	16	13.68	6.21	2.20	6.72	8.35	9.97	11.60	13.22						
	17	13.93	6.12	2.28	6.22	7.72	9.21	10.71	12.20	13.70					
	18	14.17	6.03	2.35	5.72	7.08	8.45	9.82	11.19	12.55	13.92				
	19	14.42	5.95	2.42	5.21	6.45	7.69	8.93	10.17	11.41	12.65	13.89			
	20	14.66	5.86	2.50	4.71	5.82	6.93	8.04	9.15	10.26	11.37	12.48	13.60		
	21	14.91	5.77	2.58		5.19	6.17	7.15	8.13	9.12	10.10	11.08	12.06	13.05	14.03
	22	15.15	5.68	2.67			5.41	6.26	7.12	7.97	8.82	9.68	10.53	11.39	12.24
Indoor Fan Power (kW)													0.36		



CAPACITY SELECTION DATA

CRV19BT / EVV19BS

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	14.73	3.33	4.42	7.88	9.30	10.71	12.12	13.53						
	17	15.26	3.35	4.56	7.35	8.67	9.98	11.29	12.61	13.92	15.23				
	18	15.78	3.36	4.70	6.82	8.04	9.25	10.47	11.68	12.89	14.11	15.32			
	19	16.31	3.37	4.84	6.30	7.41	8.52	9.64	10.75	11.87	12.98	14.10	15.21		
	20	16.84	3.38	4.98	5.77	6.78	7.80	8.81	9.83	10.84	11.86	12.87	13.89	14.90	15.92
	21	17.37	3.40	5.12		6.15	7.07	7.98	8.90	9.81	10.73	11.65	12.56	13.48	14.39
	22	17.90	3.41	5.25			6.34	7.16	7.97	8.79	9.60	10.42	11.24	12.05	12.87
30	16	14.30	3.61	3.96	7.51	8.94	10.37	11.80	13.22						
	17	14.81	3.63	4.08	7.01	8.34	9.66	10.99	12.32	13.65					
	18	15.33	3.64	4.21	6.50	7.73	8.96	10.19	11.41	12.64	13.87	15.10			
	19	15.84	3.65	4.33	6.00	7.13	8.26	9.38	10.51	11.64	12.76	13.89	15.02		
	20	16.35	3.67	4.46	5.50	6.52	7.55	8.58	9.60	10.63	11.66	12.68	13.71	14.74	15.76
	21	16.87	3.68	4.58		5.92	6.85	7.77	8.70	9.63	10.55	11.48	12.40	13.33	14.26
	22	17.38	3.70	4.70			6.14	6.97	7.79	8.62	9.45	10.27	11.10	11.92	12.75
35	16	13.87	3.90	3.56	7.15	8.59	10.03	11.47	12.92	0.00					
	17	14.37	3.91	3.68	6.67	8.01	9.35	10.69	12.03	13.37	0.00				
	18	14.87	3.92	3.79	6.19	7.43	8.67	9.91	11.15	12.39	13.63	14.87	0.00		
	19	15.37	3.94	3.90	5.71	6.85	7.99	9.13	10.27	11.40	12.54	13.68	14.82	0.00	
	20	15.87	3.95	4.01	5.24	6.27	7.31	8.35	9.38	10.42	11.46	12.49	13.53	14.57	15.60
	21	16.36	3.97	4.12		5.69	6.63	7.56	8.50	9.43	10.37	11.30	12.24	13.17	14.11
	22	16.86	3.98	4.23			5.95	6.78	7.62	8.45	9.28	10.12	10.95	11.78	12.62
40	16	13.29	4.28	3.10	6.74	8.18	9.62	11.06	12.50						
	17	13.77	4.30	3.20	6.29	7.63	8.97	10.31	11.65	12.99					
	18	14.25	4.31	3.30	5.84	7.08	8.32	9.56	10.79	12.03	13.27				
	19	14.72	4.33	3.40	5.39	6.53	7.67	8.80	9.94	11.08	12.21	13.35	14.49		
	20	15.20	4.35	3.50	4.94	5.98	7.01	8.05	9.09	10.12	11.16	12.19	13.23	14.26	
	21	15.68	4.36	3.59		5.43	6.36	7.30	8.23	9.17	10.10	11.03	11.97	12.90	13.84
	22	16.15	4.38	3.69			5.71	6.54	7.38	8.21	9.04	9.88	10.71	11.54	12.37
45	16	12.69	4.71	2.69	6.34	7.77	9.21	10.64	12.08						
	17	13.14	4.73	2.78	5.92	7.25	8.59	9.92	11.25	12.59					
	18	13.60	4.75	2.86	5.50	6.73	7.96	9.20	10.43	11.66	12.90				
	19	14.05	4.77	2.95	5.07	6.21	7.34	8.47	9.61	10.74	11.87	13.00			
	20	14.51	4.78	3.03	4.65	5.69	6.72	7.75	8.78	9.81	10.85	11.88	12.91	13.94	
	21	14.96	4.80	3.12		5.16	6.10	7.03	7.96	8.89	9.82	10.75	11.68	12.61	13.54
	22	15.41	4.82	3.20			5.47	6.30	7.13	7.96	8.79	9.62	10.45	11.28	12.11
50	16	11.08	4.41	2.51	5.88	7.29	8.70	10.11							
	17	11.28	4.35	2.59	5.44	6.74	8.04	9.34	10.64						
	18	11.48	4.29	2.68	5.01	6.19	7.38	8.57	9.75	10.94					
	19	11.68	4.23	2.76	4.57	5.64	6.72	7.80	8.87	9.95	11.02				
	20	11.88	4.16	2.85	4.13	5.10	6.06	7.02	7.99	8.95	9.92	10.88	11.84		
	21	12.07	4.10	2.94		4.55	5.40	6.25	7.10	7.96	8.81	9.66	10.51	11.37	
	22	12.27	4.04	3.04			4.74	5.48	6.22	6.96	7.70	8.44	9.18	9.93	10.67
Indoor Fan Power (kW)													0.36		



CAPACITY SELECTION DATA

CRV19BT / EVV19BS

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	10.41	2.17	4.79	6.36	7.49	8.62	9.74							
	17	10.78	2.18	4.94	5.94	6.99	8.04	9.08	10.13						
	18	11.15	2.19	5.09	5.52	6.49	7.46	8.42	9.39	10.36					
	19	11.53	2.20	5.24	5.10	5.99	6.87	7.76	8.65	9.54	10.43	11.32			
	20	11.90	2.21	5.39	4.67	5.48	6.29	7.10	7.91	8.72	9.53	10.34	11.15		
	21	12.27	2.21	5.54		4.98	5.71	6.44	7.17	7.90	8.64	9.37	10.10	10.83	11.56
	22	12.64	2.22	5.68			5.13	5.78	6.43	7.09	7.74	8.39	9.04	9.69	10.34
30	16	10.12	2.36	4.29	6.07	7.21	8.35	9.49							
	17	10.47	2.37	4.43	5.66	6.72	7.78	8.84	9.90						
	18	10.83	2.37	4.56	5.26	6.24	7.22	8.20	9.18	10.16					
	19	11.19	2.38	4.70	4.86	5.76	6.66	7.56	8.46	9.36	10.26	11.16			
	20	11.55	2.39	4.83	4.46	5.28	6.10	6.92	7.74	8.56	9.38	10.19	11.01		
	21	11.91	2.40	4.96		4.80	5.54	6.28	7.01	7.75	8.49	9.23	9.97	10.71	11.45
	22	12.27	2.41	5.09			4.98	5.63	6.29	6.95	7.61	8.27	8.93	9.59	10.25
35	16	9.82	2.54	3.86	5.78	6.93	8.08	9.23							
	17	10.17	2.55	3.99	5.39	6.46	7.53	8.60							
	18	10.51	2.56	4.11	5.01	6.00	6.99	7.98	8.97	9.96					
	19	10.86	2.57	4.23	4.63	5.54	6.45	7.36	8.27	9.17	10.08				
	20	11.21	2.58	4.35	4.25	5.08	5.91	6.73	7.56	8.39	9.21	10.04			
	21	11.56	2.59	4.47		4.62	5.36	6.11	6.86	7.60	8.35	9.09	9.84	10.59	
	22	11.91	2.60	4.59			4.82	5.49	6.15	6.82	7.48	8.15	8.81	9.48	10.14
40	16	9.41	2.79	3.37	5.45	6.60	7.75	8.90							
	17	9.74	2.80	3.48	5.09	6.16	7.23	8.30	9.37						
	18	10.08	2.81	3.58	4.73	5.72	6.71	7.70	8.69	9.67					
	19	10.41	2.82	3.69	4.38	5.28	6.19	7.10	8.00	8.91	9.82				
	20	10.74	2.83	3.79	4.02	4.84	5.67	6.50	7.32	8.15	8.98	9.80	10.63		
	21	11.08	2.84	3.89		4.40	5.15	5.90	6.64	7.39	8.13	8.88	9.62	10.37	
	22	11.41	2.86	4.00			4.63	5.29	5.96	6.62	7.29	7.95	8.62	9.28	9.95
45	16	8.99	3.07	2.92	5.13	6.27	7.42	8.57							
	17	9.31	3.09	3.02	4.79	5.86	6.92	7.99	9.05						
	18	9.62	3.10	3.11	4.46	5.44	6.43	7.41	8.40	9.38					
	19	9.94	3.11	3.20	4.12	5.03	5.93	6.83	7.74	8.64	9.55				
	20	10.26	3.12	3.29	3.79	4.61	5.43	6.26	7.08	7.90	8.73	9.55			
	21	10.58	3.13	3.38		4.19	4.94	5.68	6.42	7.17	7.91	8.65	9.39	10.14	
	22	10.90	3.14	3.47			4.44	5.10	5.76	6.43	7.09	7.75	8.41	9.08	9.74
50	16	7.87	2.88	2.73	4.76	5.89	7.01								
	17	8.00	2.84	2.82	4.42	5.45	6.49	7.52							
	18	8.14	2.80	2.91	4.07	5.01	5.96	6.91	7.86						
	19	8.28	2.76	3.00	3.72	4.58	5.44	6.29	7.15	8.01					
	20	8.42	2.72	3.10	3.37	4.14	4.91	5.68	6.45	7.22	7.99				
	21	8.56	2.68	3.20		3.70	4.38	5.06	5.74	6.42	7.10	7.78	8.46		
	22	8.70	2.64	3.30			3.86	4.45	5.04	5.63	6.22	6.81	7.40	7.99	8.58
													Indoor Fan Power (kW)		0.36

CAPACITY SELECTION DATA

CRV19BT / EVV19BS

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	12.33	11.98	12.27	11.93	12.21	11.86	12.16	11.81	12.10	11.76
-8	13.40	12.50	13.34	12.44	13.26	12.37	13.19	12.30	13.12	12.24
-6	14.48	13.03	14.40	12.95	14.31	12.87	14.23	12.80	14.13	12.71
-4	15.57	13.56	15.46	13.47	15.36	13.38	15.27	13.30	15.16	13.21
-2	16.63	14.07	16.52	13.98	16.41	13.88	16.29	13.78	16.18	13.69
0	17.71	14.59	17.59	14.49	17.46	14.39	17.33	14.28	17.20	14.18
2	18.40	15.68	18.26	15.56	18.12	15.44	17.97	15.32	17.83	15.20
4	18.68	17.32	18.52	17.18	18.38	17.04	18.23	16.90	18.06	16.75
6	18.95	18.95	18.80	18.80	18.64	18.64	18.53	18.53	18.36	18.36
8	19.94	19.94	19.83	19.83	19.66	19.66	19.48	19.48	19.29	19.29
10	21.04	21.04	20.86	20.86	20.66	20.66	20.47	20.47	20.27	20.27
12	22.13	22.13	21.92	21.92	21.72	21.72	21.50	21.50	21.29	21.29
14	23.27	23.27	23.04	23.04	22.81	22.81	22.58	22.58	22.34	22.34
16	24.44	24.44	24.19	24.19	23.94	23.94	23.68	23.68	23.44	23.44
18	25.65	25.65	25.39	25.39	25.12	25.12	24.85	24.85	24.56	24.56

AIRFLOW CORRECTION MULTIPLIER

% VARIATION	-20%	-15%	-10%	-5%	Nominal	5%	10%	15%	20%
INDOOR AIRFLOW (l/s)	850	893	945	998	1000	1103	1155	1208	1250
TOTAL COOLING	0.968	0.98	0.99	0.997	1.000	1.004	1.008	1.012	1.018
SENSIBLE COOLING	0.883	0.914	0.94	0.972	1.000	1.023	1.045	1.073	1.094
HEATING FACTOR	0.968	0.972	0.981	0.99	1.000	1.01	1.02	1.031	1.04

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.

PIPE LENGTH CORRECTION MULTIPLIER

	5m	10m	20m	30m	40m	50m
COOLING	1.000	0.991	0.974	0.959	0.941	0.924
HEATING	1.000	1.000	1.000	1.000	1.000	1.000

NOTE: Correction multipliers are based on horizontal pipe runs.

CAPACITY SELECTION DATA

CRV22BT / EVV22BS

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	21.71	5.68	3.82	10.79	12.55	14.32	16.08	17.84	19.61	21.37	21.71	21.71	21.71	21.71
	17	22.46	5.72	3.93	10.10	11.74	13.39	15.04	16.69	18.33	19.98	21.63	22.46	22.46	22.46
	18	23.20	5.75	4.03	9.41	10.94	12.47	14.00	15.53	17.06	18.59	20.11	21.64	23.17	23.20
	19	23.95	5.79	4.14	8.72	10.13	11.55	12.96	14.37	15.78	17.19	18.60	20.01	21.43	22.84
	20	24.70	5.82	4.24	8.03	9.33	10.62	11.92	13.21	14.50	15.80	17.09	18.38	19.68	20.97
	21	25.45	5.86	4.34	0.00	8.52	9.70	10.87	12.05	13.23	14.40	15.58	16.75	17.93	19.11
	22	26.19	5.90	4.44	0.00	0.00	8.77	9.83	10.89	11.95	13.01	14.07	15.12	16.18	17.24
30	16	21.05	6.08	3.46	10.48	12.23	13.97	15.72	17.46	19.21	20.96	21.05	21.05	21.05	21.05
	17	21.77	6.12	3.56	9.81	11.44	13.07	14.70	16.33	17.96	19.59	21.22	21.77	21.77	21.77
	18	22.49	6.16	3.65	9.14	10.66	12.17	13.68	15.19	16.70	18.22	19.73	21.24	22.49	22.49
	19	23.22	6.20	3.74	8.47	9.87	11.27	12.66	14.06	15.45	16.85	18.24	19.64	21.03	22.43
	20	23.94	6.24	3.84	7.80	9.08	10.36	11.64	12.92	14.20	15.48	16.76	18.04	19.32	20.59
	21	24.66	6.28	3.93	0.00	8.30	9.46	10.62	11.78	12.95	14.11	15.27	16.43	17.60	18.76
	22	25.38	6.32	4.02	0.00	0.00	8.56	9.60	10.65	11.69	12.74	13.78	14.83	15.88	16.92
35	16	20.39	6.48	3.15	10.18	11.90	13.63	15.36	17.08	18.81	20.39	20.39	20.39	20.39	20.39
	17	21.08	6.52	3.23	9.53	11.14	12.75	14.36	15.97	17.58	19.19	20.80	21.08	21.08	21.08
	18	21.78	6.57	3.32	8.88	10.37	11.87	13.36	14.86	16.35	17.85	19.34	20.84	21.78	21.78
	19	22.48	6.61	3.40	8.23	9.61	10.99	12.37	13.74	15.12	16.50	17.88	19.26	20.64	22.02
	20	23.18	6.65	3.48	7.58	8.84	10.11	11.37	12.63	13.90	15.16	16.42	17.69	18.95	20.21
	21	23.88	6.70	3.56	0.00	8.08	9.22	10.37	11.52	12.67	13.81	14.96	16.11	17.26	18.41
	22	24.57	6.74	3.64	0.00	0.00	8.34	9.37	10.41	11.44	12.47	13.50	14.53	15.57	16.60
40	16	19.48	7.12	2.74	9.77	11.45	13.14	14.82	16.51	18.19	19.48	19.48	19.48	19.48	19.48
	17	20.15	7.17	2.81	9.14	10.72	12.29	13.86	15.43	17.00	18.58	20.15	20.15	20.15	20.15
	18	20.81	7.22	2.88	8.52	9.98	11.44	12.90	14.36	15.81	17.27	18.73	20.19	20.81	20.81
	19	21.48	7.27	2.95	7.90	9.24	10.59	11.93	13.28	14.63	15.97	17.32	18.66	20.01	21.35
	20	22.14	7.32	3.02	7.27	8.51	9.74	10.97	12.20	13.44	14.67	15.90	17.13	18.37	19.60
	21	22.81	7.37	3.09	0.00	7.77	8.89	10.01	11.13	12.25	13.37	14.48	15.60	16.72	17.84
	22	23.48	7.42	3.16	0.00	0.00	8.04	9.04	10.05	11.06	12.06	13.07	14.07	15.08	16.09
45	16	18.58	7.76	2.39	9.36	11.01	12.65	14.29	15.93	17.58	18.58	18.58	18.58	18.58	18.58
	17	19.21	7.82	2.46	8.76	10.30	11.83	13.36	14.89	16.43	17.96	19.21	19.21	19.21	19.21
	18	19.85	7.87	2.52	8.17	9.59	11.01	12.43	13.85	15.28	16.70	18.12	19.54	19.85	19.85
	19	20.48	7.93	2.58	7.57	8.88	10.19	11.50	12.81	14.13	15.44	16.75	18.06	19.37	20.48
	20	21.11	7.99	2.64	6.97	8.17	9.37	10.57	11.77	12.97	14.17	15.38	16.58	17.78	18.98
	21	21.74	8.05	2.70	0.00	7.46	8.55	9.64	10.73	11.82	12.91	14.00	15.09	16.18	17.27
	22	22.38	8.10	2.76	0.00	0.00	7.73	8.71	9.69	10.67	11.65	12.63	13.61	14.59	15.57
50	16	17.68	8.40	2.10	8.96	10.56	12.16	13.76	15.36	16.96	17.68	17.68	17.68	17.68	17.68
	17	18.28	8.46	2.16	8.39	9.88	11.37	12.86	14.35	15.85	17.34	18.28	18.28	18.28	18.28
	18	18.88	8.53	2.21	7.82	9.20	10.58	11.97	13.35	14.73	16.12	17.50	18.88	18.88	18.88
	19	19.48	8.59	2.27	7.25	8.52	9.80	11.07	12.35	13.62	14.90	16.17	17.45	18.73	19.48
	20	20.08	8.65	2.32	6.67	7.84	9.01	10.18	11.34	12.51	13.68	14.85	16.01	17.18	18.35
	21	20.68	8.72	2.37	0.00	7.16	8.22	9.28	10.34	11.40	12.46	13.52	14.58	15.64	16.70
	22	21.28	8.78	2.42	0.00	0.00	7.43	8.39	9.34	10.29	11.24	12.19	13.15	14.10	15.05
Indoor Fan Power (kW)												0.48			

CAPACITY SELECTION DATA

CRV22BT / EVV22BS

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	17.83	4.10	4.35	9.33	10.84	12.36	13.88	15.39	16.91	17.83	17.83	17.83	17.83	17.83
	17	18.44	4.12	4.47	8.74	10.15	11.57	12.98	14.40	15.81	17.22	18.44	18.44	18.44	18.44
	18	19.05	4.15	4.59	8.15	9.46	10.77	12.09	13.40	14.71	16.03	17.34	18.65	19.05	19.05
	19	19.66	4.18	4.71	7.56	8.77	9.98	11.19	12.41	13.62	14.83	16.04	17.25	18.46	19.66
	20	20.27	4.20	4.82	6.97	8.08	9.19	10.30	11.41	12.52	13.63	14.74	15.85	16.96	18.07
	21	20.88	4.23	4.94	0.00	7.39	8.40	9.41	10.41	11.42	12.43	13.44	14.45	15.46	16.47
	22	21.49	4.25	5.05	0.00	0.00	7.60	8.51	9.42	10.33	11.24	12.15	13.05	13.96	14.87
30	16	17.29	4.39	3.94	9.07	10.57	12.07	13.56	15.06	16.56	17.29	17.29	17.29	17.29	17.29
	17	17.88	4.41	4.05	8.49	9.89	11.29	12.69	14.09	15.49	16.89	17.88	17.88	17.88	17.88
	18	18.47	4.44	4.16	7.92	9.22	10.52	11.81	13.11	14.41	15.71	17.01	18.31	18.47	18.47
	19	19.06	4.47	4.26	7.34	8.54	9.74	10.94	12.14	13.34	14.53	15.73	16.93	18.13	19.06
	20	19.65	4.50	4.36	6.77	7.87	8.97	10.06	11.16	12.26	13.36	14.46	15.55	16.65	17.75
	21	20.24	4.53	4.47	0.00	7.19	8.19	9.19	10.19	11.18	12.18	13.18	14.18	15.18	16.17
	22	20.83	4.56	4.57	0.00	0.00	7.42	8.31	9.21	10.11	11.01	11.90	12.80	13.70	14.60
35	16	16.75	4.67	3.58	8.81	10.29	11.77	13.25	14.74	16.22	16.75	16.75	16.75	16.75	16.75
	17	17.32	4.70	3.68	8.25	9.63	11.02	12.40	13.78	15.16	16.55	17.32	17.32	17.32	17.32
	18	17.89	4.74	3.78	7.69	8.97	10.26	11.54	12.83	14.11	15.39	16.68	17.89	17.89	17.89
	19	18.46	4.77	3.87	7.13	8.32	9.50	10.69	11.87	13.05	14.24	15.42	16.61	17.79	18.46
	20	19.03	4.80	3.96	6.57	7.66	8.74	9.83	10.91	12.00	13.08	14.17	15.25	16.34	17.42
	21	19.60	4.83	4.05	0.00	7.00	7.99	8.97	9.96	10.94	11.93	12.92	13.90	14.89	15.87
	22	20.17	4.87	4.15	0.00	0.00	7.23	8.12	9.00	9.89	10.78	11.66	12.55	13.43	14.32
40	16	16.01	5.14	3.12	8.46	9.90	11.35	12.80	14.24	15.69	16.01	16.01	16.01	16.01	16.01
	17	16.55	5.17	3.20	7.92	9.27	10.62	11.97	13.32	14.67	16.02	16.55	16.55	16.55	16.55
	18	17.10	5.21	3.28	7.38	8.64	9.89	11.14	12.39	13.65	14.90	16.15	17.10	17.10	17.10
	19	17.64	5.25	3.36	6.85	8.00	9.16	10.31	11.47	12.63	13.78	14.94	16.09	17.25	17.64
	20	18.18	5.28	3.44	6.31	7.37	8.43	9.49	10.55	11.60	12.66	13.72	14.78	15.84	16.90
	21	18.73	5.32	3.52	0.00	6.74	7.70	8.66	9.62	10.58	11.54	12.51	13.47	14.43	15.39
	22	19.27	5.36	3.60	0.00	0.00	6.97	7.83	8.70	9.56	10.43	11.29	12.15	13.02	13.88
45	16	15.27	5.60	2.73	8.11	9.52	10.93	12.34	13.75	15.16	15.27	15.27	15.27	15.27	15.27
	17	15.79	5.64	2.80	7.59	8.91	10.23	11.54	12.86	14.17	15.49	15.79	15.79	15.79	15.79
	18	16.31	5.68	2.87	7.08	8.30	9.52	10.74	11.96	13.18	14.41	15.63	16.31	16.31	16.31
	19	16.82	5.72	2.94	6.57	7.69	8.82	9.94	11.07	12.20	13.32	14.45	15.57	16.70	16.82
	20	17.34	5.76	3.01	6.05	7.08	8.12	9.15	10.18	11.21	12.24	13.27	14.30	15.33	16.36
	21	17.86	5.80	3.08	0.00	6.48	7.41	8.35	9.28	10.22	11.16	12.09	13.03	13.96	14.90
	22	18.37	5.85	3.14	0.00	0.00	6.71	7.55	8.39	9.23	10.07	10.91	11.76	12.60	13.44
50	16	14.53	6.06	2.40	7.76	9.14	10.51	11.88	13.26	14.53	14.53	14.53	14.53	14.53	14.53
	17	15.03	6.11	2.46	7.27	8.55	9.83	11.11	12.39	13.67	14.95	15.03	15.03	15.03	15.03
	18	15.52	6.15	2.52	6.78	7.97	9.16	10.34	11.53	12.72	13.91	15.10	15.52	15.52	15.52
	19	16.01	6.20	2.58	6.29	7.38	8.48	9.58	10.67	11.77	12.86	13.96	15.05	16.01	16.01
	20	16.50	6.24	2.64	5.80	6.80	7.80	8.81	9.81	10.81	11.81	12.82	13.82	14.82	15.82
	21	16.99	6.29	2.70	0.00	6.22	7.13	8.04	8.95	9.86	10.77	11.68	12.59	13.50	14.41
	22	17.48	6.34	2.76	0.00	0.00	6.45	7.27	8.09	8.90	9.72	10.54	11.36	12.17	12.99
Indoor Fan Power (kW)													0.48		



CAPACITY SELECTION DATA

CRV22BT / EVV22BS

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	12.48	2.66	4.70	7.20	8.35	9.50	10.66	11.81	12.48	12.48	12.48	12.48	12.48	12.48
	17	12.90	2.67	4.83	6.75	7.83	8.90	9.98	11.05	12.13	12.90	12.90	12.90	12.90	12.90
	18	13.32	2.69	4.95	6.31	7.30	8.30	9.30	10.30	11.29	12.29	13.29	13.32	13.32	13.32
	19	13.75	2.71	5.08	5.86	6.78	7.70	8.62	9.54	10.46	11.38	12.30	13.22	13.75	13.75
	20	14.17	2.72	5.20	5.41	6.25	7.10	7.94	8.78	9.63	10.47	11.32	12.16	13.00	13.85
	21	14.59	2.74	5.32	0.00	5.73	6.49	7.26	8.03	8.79	9.56	10.33	11.10	11.86	12.63
	22	15.01	2.76	5.44	0.00	0.00	5.89	6.58	7.27	7.96	8.65	9.34	10.03	10.72	11.41
30	16	12.10	2.84	4.26	7.00	8.14	9.28	10.42	11.56	12.10	12.10	12.10	12.10	12.10	12.10
	17	12.51	2.86	4.37	6.57	7.63	8.69	9.76	10.82	11.88	12.51	12.51	12.51	12.51	12.51
	18	12.92	2.88	4.49	6.13	7.12	8.10	9.09	10.08	11.06	12.05	12.92	12.92	12.92	12.92
	19	13.33	2.90	4.60	5.69	6.60	7.52	8.43	9.34	10.25	11.16	12.07	12.98	13.33	13.33
	20	13.74	2.92	4.71	5.26	6.09	6.93	7.76	8.60	9.43	10.26	11.10	11.93	12.77	13.60
	21	14.15	2.94	4.82	0.00	5.58	6.34	7.10	7.85	8.61	9.37	10.13	10.89	11.64	12.40
	22	14.56	2.96	4.92	0.00	0.00	5.75	6.43	7.11	7.80	8.48	9.16	9.84	10.52	11.20
35	16	11.73	3.03	3.87	6.81	7.93	9.06	10.18	11.31	11.73	11.73	11.73	11.73	11.73	11.73
	17	12.12	3.05	3.98	6.38	7.43	8.48	9.53	10.58	11.64	12.12	12.12	12.12	12.12	12.12
	18	12.52	3.07	4.08	5.96	6.93	7.91	8.88	9.86	10.83	11.81	12.52	12.52	12.52	12.52
	19	12.91	3.09	4.18	5.53	6.43	7.33	8.23	9.13	10.03	10.93	11.83	12.73	12.91	12.91
	20	13.31	3.11	4.28	5.11	5.93	6.76	7.58	8.41	9.23	10.06	10.88	11.70	12.53	13.31
	21	13.70	3.13	4.37	0.00	5.43	6.18	6.93	7.68	8.43	9.18	9.93	10.68	11.42	12.17
	22	14.10	3.15	4.47	0.00	0.00	5.61	6.28	6.96	7.63	8.30	8.97	9.65	10.32	10.99
40	16	11.22	3.33	3.37	6.54	7.64	8.74	9.84	10.94	11.22	11.22	11.22	11.22	11.22	11.22
	17	11.60	3.35	3.46	6.13	7.16	8.18	9.21	10.23	11.26	11.60	11.60	11.60	11.60	11.60
	18	11.97	3.38	3.55	5.72	6.68	7.63	8.58	9.53	10.48	11.43	11.97	11.97	11.97	11.97
	19	12.35	3.40	3.63	5.32	6.20	7.07	7.95	8.83	9.71	10.58	11.46	12.34	12.35	12.35
	20	12.72	3.42	3.72	4.91	5.72	6.52	7.32	8.13	8.93	9.74	10.54	11.34	12.15	12.72
	21	13.10	3.45	3.80	0.00	5.23	5.96	6.69	7.42	8.15	8.89	9.62	10.35	11.08	11.81
	22	13.48	3.47	3.88	0.00	0.00	5.41	6.07	6.72	7.38	8.04	8.69	9.35	10.00	10.66
45	16	10.71	3.63	2.95	6.27	7.35	8.42	9.49	10.56	10.71	10.71	10.71	10.71	10.71	10.71
	17	11.07	3.66	3.03	5.88	6.88	7.88	8.88	9.88	10.88	11.07	11.07	11.07	11.07	11.07
	18	11.43	3.68	3.10	5.49	6.42	7.35	8.28	9.20	10.13	11.06	11.43	11.43	11.43	11.43
	19	11.78	3.71	3.18	5.10	5.96	6.81	7.67	8.53	9.38	10.24	11.09	11.78	11.78	11.78
	20	12.14	3.74	3.25	4.71	5.50	6.28	7.06	7.85	8.63	9.41	10.20	10.98	11.76	12.14
	21	12.50	3.76	3.32	0.00	5.04	5.75	6.46	7.17	7.88	8.59	9.30	10.01	10.72	11.43
	22	12.86	3.79	3.39	0.00	0.00	5.21	5.85	6.49	7.13	7.77	8.41	9.05	9.68	10.32
50	16	10.20	3.93	2.60	6.01	7.06	8.10	9.14	10.19	10.20	10.20	10.20	10.20	10.20	10.20
	17	10.54	3.96	2.66	5.64	6.61	7.59	8.56	9.53	10.50	10.54	10.54	10.54	10.54	10.54
	18	10.88	3.99	2.73	5.27	6.17	7.07	7.97	8.88	9.78	10.68	10.88	10.88	10.88	10.88
	19	11.22	4.02	2.79	4.89	5.73	6.56	7.39	8.22	9.05	9.89	10.72	11.22	11.22	11.22
	20	11.56	4.05	2.86	4.52	5.28	6.04	6.81	7.57	8.33	9.09	9.85	10.61	11.38	11.56
	21	11.90	4.08	2.92	0.00	4.84	5.53	6.22	6.91	7.60	8.30	8.99	9.68	10.37	11.06
	22	12.23	4.11	2.98	0.00	0.00	5.02	5.64	6.26	6.88	7.50	8.12	8.74	9.36	9.98
Indoor Fan Power (kW)													0.48		

CAPACITY SELECTION DATA

CRV22BT / EVV22BS

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	15.12	14.02	15.04	13.95	14.96	13.87	14.90	13.82	14.83	13.75
-8	16.48	14.94	16.39	14.86	16.30	14.78	16.22	14.70	16.13	14.62
-6	17.85	15.86	17.74	15.77	17.64	15.68	17.53	15.58	17.42	15.48
-4	19.23	16.80	19.10	16.69	18.98	16.58	18.86	16.48	18.73	16.37
-2	20.59	17.72	20.45	17.60	20.31	17.48	20.17	17.35	20.03	17.23
0	21.96	18.64	21.81	18.52	21.65	18.38	21.49	18.25	21.33	18.11
2	22.70	19.87	22.54	19.72	22.36	19.57	22.18	19.41	22.01	19.26
4	22.81	21.39	22.62	21.21	22.44	21.04	22.25	20.87	22.05	20.68
6	22.90	22.90	22.71	22.71	22.52	22.52	22.39	22.39	22.18	22.18
8	24.10	24.10	23.96	23.96	23.75	23.75	23.53	23.53	23.31	23.31
10	25.43	25.43	25.20	25.20	24.97	24.97	24.74	24.74	24.49	24.49
12	26.75	26.75	26.50	26.50	26.24	26.24	25.98	25.98	25.72	25.72
14	28.13	28.13	27.85	27.85	27.56	27.56	27.29	27.29	27.00	27.00
16	29.54	29.54	29.24	29.24	28.94	28.94	28.62	28.62	28.33	28.33
18	31.01	31.01	30.69	30.69	30.36	30.36	30.04	30.04	29.69	29.69

AIRFLOW CORRECTION MULTIPLIER

% VARIATION	-20%	-15%	-10%	-5%	Nominal	5%	10%	15%	20%
INDOOR AIRFLOW (l/s)	920	978	1035	1093	1150	1208	1265	1323	1380
TOTAL COOLING	0.968	0.981	0.991	0.996	1.000	1.004	1.007	1.013	1.017
SENSIBLE COOLING	0.883	0.913	0.95	0.974	1.000	1.022	1.044	1.07	1.092
HEATING FACTOR	0.969	0.971	0.98	0.99	1.000	1.017	1.02	1.03	1.039

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.

PIPE LENGTH CORRECTION MULTIPLIER

	5m	10m	20m	30m	40m	50m	60m
COOLING	1.000	0.990	0.972	0.960	0.940	0.920	0.900
HEATING	1.000	1.000	1.000	1.000	1.000	1.000	1.000

NOTE: Correction multipliers are based on horizontal pipe runs.

CAPACITY SELECTION DATA

CRV25BT / EVV25BS

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	24.60	6.24	3.94	12.33	14.49	16.64	18.80	20.95	23.11					
	17	25.43	6.28	4.05	11.50	13.50	15.50	17.50	19.50	21.50	23.50				
	18	26.27	6.32	4.16	10.66	12.51	14.36	16.20	18.05	19.90	21.75	23.59	25.44		
	19	27.10	6.36	4.26	9.83	11.52	13.22	14.91	16.60	18.29	19.99	21.68	23.37	25.07	26.76
	20	27.94	6.39	4.37	9.00	10.54	12.07	13.61	15.15	16.69	18.23	19.77	21.31	22.84	24.38
	21	28.77	6.43	4.47	0.00	9.55	10.93	12.32	13.70	15.09	16.47	17.85	19.24	20.62	22.01
	22	29.61	6.47	4.58	0.00	0.00	9.79	11.02	12.25	13.48	14.71	15.94	17.17	18.40	19.63
30	16	24.04	6.73	3.57	11.98	14.15	16.32	18.49	20.66	22.83					
	17	24.82	6.76	3.67	11.16	13.17	15.18	17.19	19.20	21.21	23.22				
	18	25.61	6.78	3.78	10.33	12.18	14.03	15.89	17.74	19.59	21.44	23.30	25.15		
	19	26.39	6.81	3.87	9.50	11.20	12.89	14.58	16.28	17.97	19.67	21.36	23.05	24.75	
	20	27.17	6.84	3.97	8.68	10.21	11.75	13.28	14.82	16.35	17.89	19.42	20.96	22.50	24.03
	21	27.95	6.86	4.07	0.00	9.23	10.60	11.98	13.36	14.73	16.11	17.49	18.87	20.24	21.62
	22	28.73	6.89	4.17	0.00	0.00	9.46	10.68	11.90	13.11	14.33	15.55	16.77	17.99	19.21
35	16	23.48	7.22	3.25	11.63	13.81	15.99	18.17	20.36	22.54					
	17	24.21	7.24	3.35	10.81	12.83	14.85	16.87	18.89	20.91	22.92				
	18	24.94	7.25	3.44	9.99	11.85	13.71	15.56	17.42	19.27	21.13	22.99	24.84		
	19	25.67	7.27	3.53	9.18	10.87	12.56	14.26	15.95	17.64	19.34	21.03	22.72	24.42	0.00
	20	26.40	7.28	3.63	8.36	9.89	11.42	12.95	14.48	16.01	17.54	19.07	20.60	22.13	23.66
	21	27.13	7.30	3.72	0.00	8.91	10.28	11.65	13.01	14.38	15.75	17.12	18.48	19.85	21.22
	22	27.86	7.31	3.81	0.00	0.00	9.13	10.34	11.54	12.75	13.95	15.16	16.36	17.57	18.77
40	16	22.59	7.93	2.85	11.20	13.37	15.55	17.72	19.89	22.07					
	17	23.26	7.93	2.93	10.40	12.41	14.41	16.42	18.43	20.44	22.45				
	18	23.93	7.93	3.02	9.60	11.44	13.28	15.13	16.97	18.81	20.66	22.50			
	19	24.60	7.93	3.10	8.79	10.47	12.15	13.83	15.51	17.18	18.86	20.54	22.22	23.90	
	20	25.27	7.93	3.19	7.99	9.51	11.02	12.53	14.04	15.56	17.07	18.58	20.09	21.61	23.12
	21	25.94	7.93	3.27	0.00	8.54	9.89	11.23	12.58	13.93	15.27	16.62	17.97	19.32	20.66
	22	26.62	7.94	3.35	0.00	0.00	8.75	9.94	11.12	12.30	13.48	14.66	15.84	17.03	18.21
45	16	21.73	8.68	2.50	10.76	12.92	15.09	17.25	19.41	21.57					
	17	22.35	8.66	2.58	9.98	11.97	13.97	15.96	17.96	19.95	21.95				
	18	22.96	8.65	2.65	9.20	11.02	12.85	14.68	16.50	18.33	20.16	21.98			
	19	23.58	8.64	2.73	8.41	10.07	11.73	13.39	15.05	16.71	18.37	20.03	21.69	23.35	
	20	24.20	8.62	2.81	7.63	9.12	10.61	12.11	13.60	15.09	16.58	18.07	19.56	21.05	22.55
	21	24.81	8.61	2.88	0.00	8.17	9.50	10.82	12.14	13.47	14.79	16.11	17.44	18.76	20.09
	22	25.43	8.59	2.96	0.00	0.00	8.38	9.53	10.69	11.85	13.00	14.16	15.31	16.47	17.63
50	16	20.05	9.04	2.22	10.10	12.19	14.29	16.38	18.48						
	17	20.59	9.00	2.29	9.35	11.28	13.21	15.14	17.07	19.00					
	18	21.13	8.97	2.36	8.61	10.37	12.14	13.90	15.67	17.43	19.19	20.96			
	19	21.67	8.94	2.42	7.86	9.46	11.06	12.66	14.26	15.86	17.46	19.06	20.65		
	20	22.21	8.91	2.49	7.12	8.55	9.99	11.42	12.85	14.29	15.72	17.15	18.59	20.02	21.45
	21	22.75	8.88	2.56	0.00	7.64	8.91	10.18	11.45	12.71	13.98	15.25	16.52	17.79	19.05
	22	23.29	8.85	2.63	0.00	0.00	7.84	8.94	10.04	11.14	12.24	13.35	14.45	15.55	16.65
Indoor Fan Power (kW)													0.67		

CAPACITY SELECTION DATA

CRV25BT / EVV25BS

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	20.00	4.52	4.42	10.69	12.54	14.40	16.25	18.10	19.95					
	17	20.68	4.55	4.55	9.98	11.70	13.41	15.13	16.85	18.57	20.29				
	18	21.35	4.57	4.67	9.26	10.85	12.43	14.02	15.61	17.20	18.78	20.37			
	19	22.03	4.60	4.79	8.54	10.00	11.45	12.91	14.36	15.82	17.27	18.73	20.18	21.64	
	20	22.70	4.63	4.91	7.83	9.15	10.47	11.79	13.12	14.44	15.76	17.08	18.41	19.73	21.05
	21	23.38	4.66	5.02	0.00	8.30	9.49	10.68	11.87	13.06	14.25	15.44	16.63	17.82	19.01
	22	24.05	4.68	5.14	0.00	0.00	8.51	9.57	10.62	11.68	12.74	13.80	14.85	15.91	16.97
30	16	19.56	4.87	4.01	10.39	12.26	14.12	15.99	17.85						
	17	20.19	4.89	4.13	9.68	11.41	13.14	14.87	16.59	18.32	20.05				
	18	20.82	4.91	4.24	8.97	10.56	12.16	13.75	15.34	16.93	18.52	20.12			
	19	21.45	4.93	4.35	8.26	9.72	11.17	12.63	14.08	15.54	17.00	18.45	19.91	21.36	
	20	22.08	4.95	4.46	7.55	8.87	10.19	11.51	12.83	14.15	15.47	16.79	18.11	19.43	20.75
	21	22.71	4.97	4.57	0.00	8.02	9.21	10.39	11.57	12.76	13.94	15.12	16.31	17.49	18.67
	22	23.35	4.99	4.68	0.00	0.00	8.22	9.27	10.32	11.37	12.41	13.46	14.51	15.55	16.60
35	16	19.10	5.23	3.65	10.09	11.96	13.84	15.71	17.59						
	17	19.69	5.24	3.76	9.39	11.12	12.86	14.59	16.33	18.06					
	18	20.28	5.25	3.86	8.68	10.28	11.87	13.47	15.06	16.66	18.25	19.85			
	19	20.87	5.26	3.97	7.98	9.44	10.89	12.35	13.80	15.26	16.71	18.17	19.62		
	20	21.46	5.27	4.07	7.28	8.59	9.91	11.22	12.54	13.86	15.17	16.49	17.80	19.12	20.43
	21	22.05	5.28	4.17	0.00	7.75	8.93	10.10	11.28	12.45	13.63	14.80	15.98	17.16	18.33
	22	22.64	5.29	4.28	0.00	0.00	7.94	8.98	10.02	11.05	12.09	13.12	14.16	15.19	16.23
40	16	18.38	5.74	3.20	9.72	11.59	13.46	15.32	17.19						
	17	18.92	5.74	3.30	9.03	10.76	12.48	14.21	15.94	17.66					
	18	19.47	5.74	3.39	8.34	9.93	11.51	13.09	14.68	16.26	17.85	19.43			
	19	20.01	5.74	3.48	7.65	9.09	10.54	11.98	13.42	14.86	16.30	17.75	19.19		
	20	20.55	5.74	3.58	6.96	8.26	9.56	10.86	12.16	13.46	14.76	16.06	17.36	18.66	19.96
	21	21.09	5.74	3.67	0.00	7.43	8.59	9.75	10.91	12.06	13.22	14.38	15.54	16.69	17.85
	22	21.63	5.75	3.77	0.00	0.00	7.62	8.63	9.65	10.66	11.68	12.70	13.71	14.73	15.74
45	16	17.69	6.28	2.82	9.34	11.20	13.06	14.92	16.78						
	17	18.19	6.27	2.90	8.67	10.38	12.10	13.81	15.53	17.24					
	18	18.68	6.26	2.98	8.00	9.57	11.14	12.71	14.28	15.85	17.42				
	19	19.18	6.25	3.07	7.33	8.75	10.18	11.60	13.03	14.45	15.88	17.31	18.73		
	20	19.68	6.24	3.15	6.65	7.93	9.22	10.50	11.78	13.06	14.34	15.62	16.91	18.19	19.47
	21	20.18	6.23	3.24	0.00	7.12	8.26	9.39	10.53	11.67	12.81	13.94	15.08	16.22	17.36
	22	20.67	6.22	3.32	0.00	0.00	7.29	8.29	9.28	10.28	11.27	12.26	13.26	14.25	15.24
50	16	16.33	6.54	2.50	8.77	10.57	12.37	14.18	15.98						
	17	16.77	6.52	2.57	8.13	9.79	11.45	13.11	14.77	16.43					
	18	17.21	6.50	2.65	7.49	9.01	10.53	12.04	13.56	15.07	16.59				
	19	17.64	6.47	2.73	6.85	8.23	9.60	10.98	12.35	13.72	15.10	16.47			
	20	18.08	6.45	2.80	6.21	7.45	8.68	9.91	11.14	12.37	13.60	14.84	16.07	17.30	
	21	18.51	6.43	2.88	0.00	6.66	7.75	8.84	9.93	11.02	12.11	13.20	14.29	15.38	16.47
	22	18.95	6.41	2.96	0.00	0.00	6.83	7.78	8.72	9.67	10.62	11.57	12.51	13.46	14.41
												Indoor Fan Power (kW)			0.67



CAPACITY SELECTION DATA

CRV25BT / EVV25BS

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	13.52	2.99	4.53	8.00	9.35	10.70	12.06	13.41						
	17	13.97	3.00	4.65	7.47	8.73	9.99	11.24	12.50	13.76					
	18	14.42	3.02	4.77	6.95	8.11	9.27	10.43	11.59	12.75	13.91				
	19	14.87	3.04	4.89	6.42	7.49	8.55	9.61	10.68	11.74	12.80	13.87			
	20	15.31	3.06	5.01	5.90	6.87	7.83	8.80	9.77	10.73	11.70	12.67	13.63	14.60	
	21	15.76	3.07	5.13	0.00	6.25	7.12	7.99	8.86	9.73	10.60	11.47	12.34	13.21	14.08
	22	16.21	3.09	5.24	0.00	0.00	6.40	7.17	7.95	8.72	9.49	10.26	11.04	11.81	12.58
30	16	13.22	3.22	4.11	7.78	9.14	10.50	11.87							
	17	13.64	3.23	4.22	7.26	8.52	9.78	11.05	12.31	13.57					
	18	14.06	3.24	4.34	6.74	7.90	9.07	10.23	11.39	12.56	13.72				
	19	14.48	3.26	4.45	6.22	7.28	8.35	9.41	10.48	11.54	12.60	13.67			
	20	14.90	3.27	4.56	5.70	6.66	7.63	8.59	9.56	10.52	11.49	12.45	13.42	14.38	
	21	15.32	3.28	4.67	0.00	6.05	6.91	7.78	8.64	9.51	10.37	11.24	12.10	12.97	13.83
	22	15.74	3.29	4.78	0.00	0.00	6.19	6.96	7.72	8.49	9.25	10.02	10.78	11.55	12.32
35	16	12.92	3.45	3.74	7.56	8.93	10.30	11.67							
	17	13.31	3.46	3.85	7.04	8.31	9.58	10.85	12.11						
	18	13.70	3.47	3.95	6.53	7.69	8.86	10.03	11.19	12.36	13.52				
	19	14.10	3.47	4.06	6.01	7.08	8.14	9.21	10.27	11.33	12.40	13.46			
	20	14.49	3.48	4.16	5.50	6.46	7.42	8.39	9.35	10.31	11.27	12.23	13.19	14.15	
	21	14.88	3.49	4.27	0.00	5.85	6.71	7.56	8.42	9.28	10.14	11.00	11.86	12.72	13.58
	22	15.27	3.50	4.37	0.00	0.00	5.99	6.74	7.50	8.26	9.02	9.77	10.53	11.29	12.04
40	16	12.44	3.79	3.28	7.28	8.65	10.02	11.38							
	17	12.80	3.79	3.38	6.78	8.04	9.30	10.57	11.83						
	18	13.16	3.79	3.47	6.28	7.44	8.59	9.75	10.91	12.07					
	19	13.52	3.79	3.57	5.77	6.83	7.88	8.94	9.99	11.04	12.10	13.15			
	20	13.88	3.79	3.66	5.27	6.22	7.17	8.12	9.07	10.02	10.97	11.92	12.87	13.82	
	21	14.24	3.79	3.75	0.00	5.61	6.46	7.31	8.15	9.00	9.84	10.69	11.54	12.38	13.23
	22	14.60	3.79	3.85	0.00	0.00	5.75	6.49	7.23	7.98	8.72	9.46	10.20	10.94	11.69
45	16	11.98	4.15	2.89	7.01	8.37	9.73	11.08							
	17	12.31	4.14	2.97	6.52	7.77	9.02	10.28	11.53						
	18	12.64	4.14	3.06	6.03	7.17	8.32	9.47	10.62	11.76					
	19	12.97	4.13	3.14	5.53	6.58	7.62	8.66	9.70	10.75	11.79	12.83			
	20	13.30	4.12	3.23	5.04	5.98	6.92	7.85	8.79	9.73	10.66	11.60	12.54		
	21	13.63	4.12	3.31	0.00	5.38	6.21	7.05	7.88	8.71	9.54	10.37	11.20	12.04	12.87
	22	13.97	4.11	3.40	0.00	0.00	5.51	6.24	6.96	7.69	8.42	9.14	9.87	10.60	11.32
50	16	11.08	4.32	2.57	6.59	7.91	9.23	10.54							
	17	11.37	4.30	2.64	6.13	7.34	8.55	9.76	10.97						
	18	11.66	4.29	2.72	5.66	6.77	7.87	8.98	10.09	11.20					
	19	11.95	4.28	2.80	5.19	6.19	7.20	8.20	9.21	10.21	11.22				
	20	12.24	4.26	2.87	4.72	5.62	6.52	7.42	8.32	9.22	10.12	11.02	11.93		
	21	12.53	4.25	2.95	0.00	5.05	5.85	6.64	7.44	8.24	9.03	9.83	10.63	11.42	12.22
	22	12.82	4.23	3.03	0.00	0.00	5.17	5.86	6.56	7.25	7.94	8.63	9.33	10.02	10.71
Indoor Fan Power (kW)													0.67		

CAPACITY SELECTION DATA

CRV25BT / EVV25BS

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	17.95	16.05	17.86	15.97	17.76	15.88	17.69	15.82	17.60	15.74
-8	19.16	16.85	19.07	16.76	18.96	16.66	18.86	16.58	18.76	16.49
-6	20.39	17.65	20.27	17.55	20.15	17.45	20.03	17.34	19.90	17.23
-4	21.63	18.47	21.49	18.35	21.35	18.23	21.21	18.11	21.07	17.99
-2	22.85	19.27	22.69	19.14	22.54	19.01	22.37	18.87	22.22	18.74
0	24.07	20.07	23.91	19.94	23.73	19.79	23.56	19.64	23.38	19.50
2	24.91	21.54	24.73	21.38	24.53	21.21	24.33	21.04	24.14	20.87
4	25.34	23.65	25.13	23.46	24.93	23.27	24.72	23.07	24.50	22.87
6	25.76	25.76	25.54	25.54	25.33	25.33	25.18	25.18	24.94	24.94
8	27.12	27.12	26.95	26.95	26.72	26.72	26.48	26.48	26.22	26.22
10	28.62	28.62	28.36	28.36	28.10	28.10	27.84	27.84	27.56	27.56
12	30.11	30.11	29.82	29.82	29.54	29.54	29.25	29.25	28.95	28.95
14	31.67	31.67	31.36	31.36	31.03	31.03	30.72	30.72	30.39	30.39
16	33.26	33.26	32.93	32.93	32.58	32.58	32.23	32.23	31.89	31.89
18	34.93	34.93	34.56	34.56	34.20	34.20	33.83	33.83	33.44	33.44

AIRFLOW CORRECTION MULTIPLIER

% VARIATION	-20%	-15%	-10%	-5%	Nominal	5%	10%	15%	20%
INDOOR AIRFLOW (l/s)	1050	1105	1170	1235	1300	1365	1430	1495	1570
TOTAL COOLING	0.967	0.98	0.99	0.996	1.000	1.004	1.006	1.012	1.016
SENSIBLE COOLING	0.88	0.912	0.951	0.973	1.000	1.023	1.042	1.065	1.900
HEATING FACTOR	0.967	0.973	0.982	0.991	1.000	1.015	1.010	1.032	1.040

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.

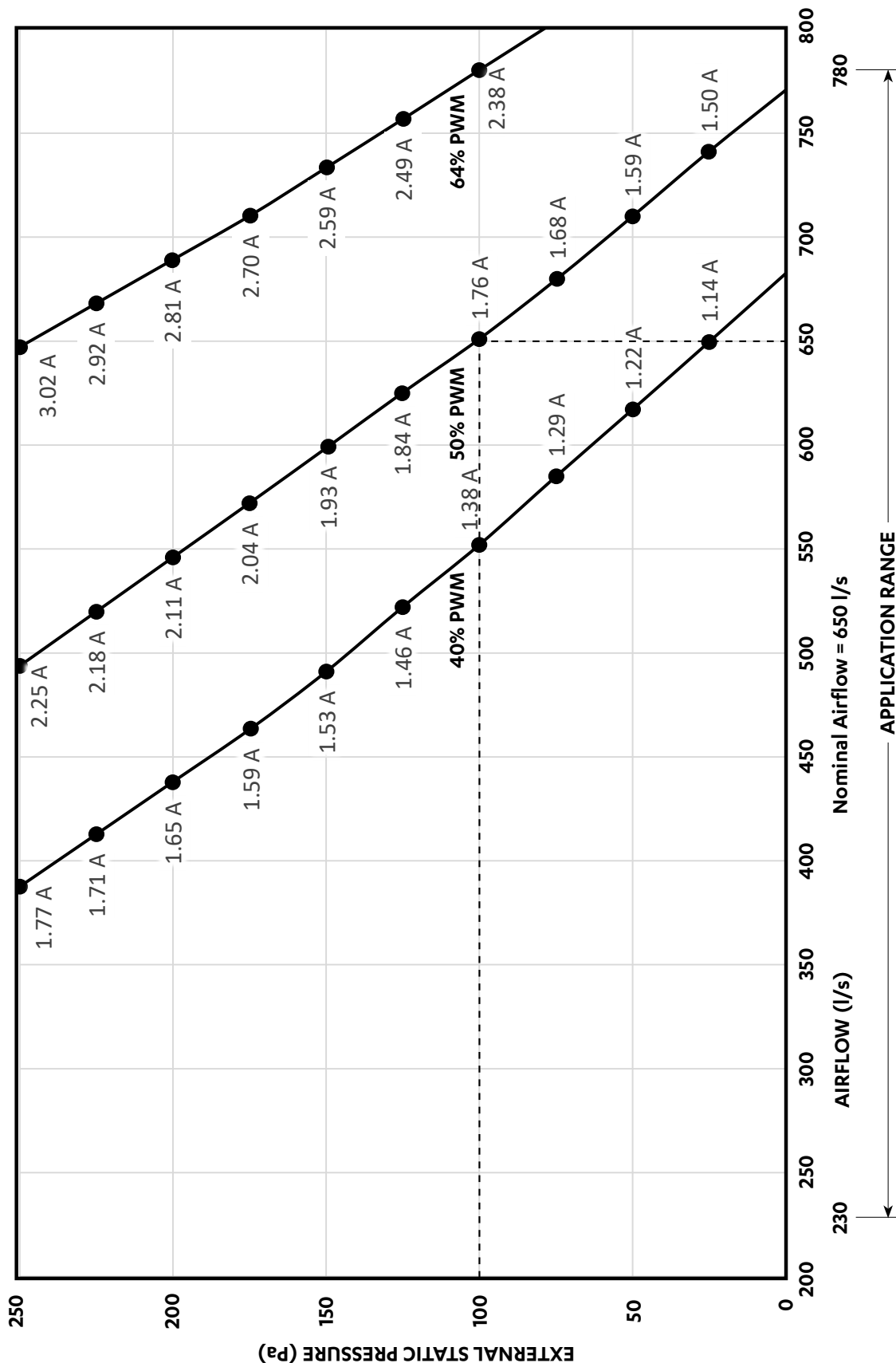
PIPE LENGTH CORRECTION MULTIPLIER

	5m	10m	20m	30m	40m	50m	60m
COOLING	1.000	0.990	0.971	0.962	0.943	0.920	0.902
HEATING	1.000	1.000	1.000	1.000	1.000	1.000	1.000

NOTE: Correction multipliers are based on horizontal pipe runs.

THREE SPEED FAN CURVE

EVV13BS

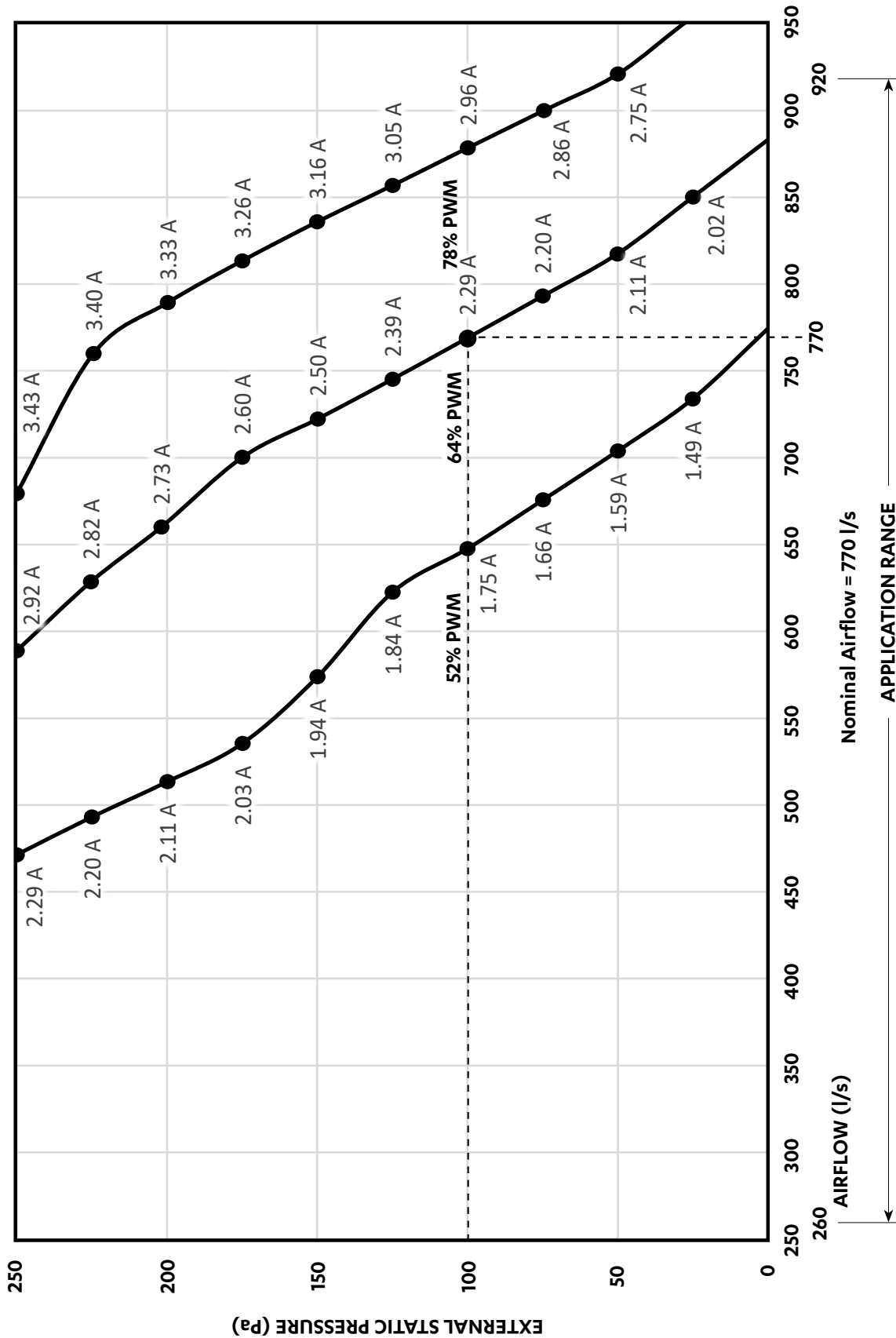


NOTE

Fan Performance Data and Fan Curve shown is at dry coil and with no air filters installed. Consider external static pressure drop specific to your design requirements. Airflow should be reduced with respect to the moisture content in the air. Please review filter manufacturer for application. 2.5 m/s face velocity point will occur outside the application range. Application range is applicable only for VFT function on Actron Controller. Refer to Third Party for application range using a non-Actron Controller.

THREE SPEED FAN CURVE

EVV15BS

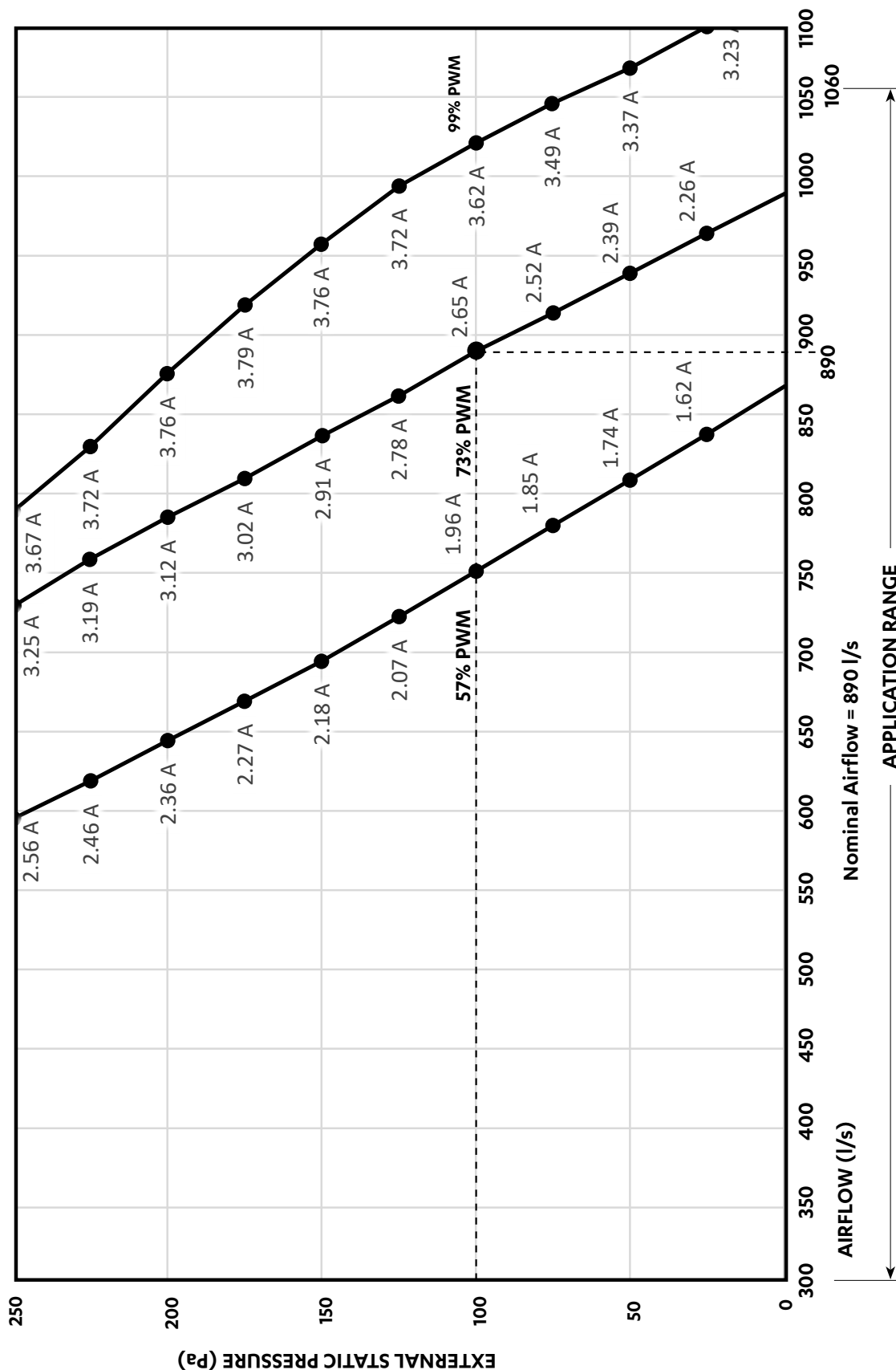


NOTE

Fan Performance Data and Fan Curve shown is at dry coil and with no air filters installed. Consider external static pressure drop specific to your design requirements. Airflow should be reduced with respect to the moisture content in the air. Please review filter manufacturer for application. 2.5 m/s face velocity point will occur outside the application range. Application range is applicable only for VFT function on Actron Controller. Refer to Third Party for application range using a non-Actron Controller.

THREE SPEED FAN CURVE

EVV17BS

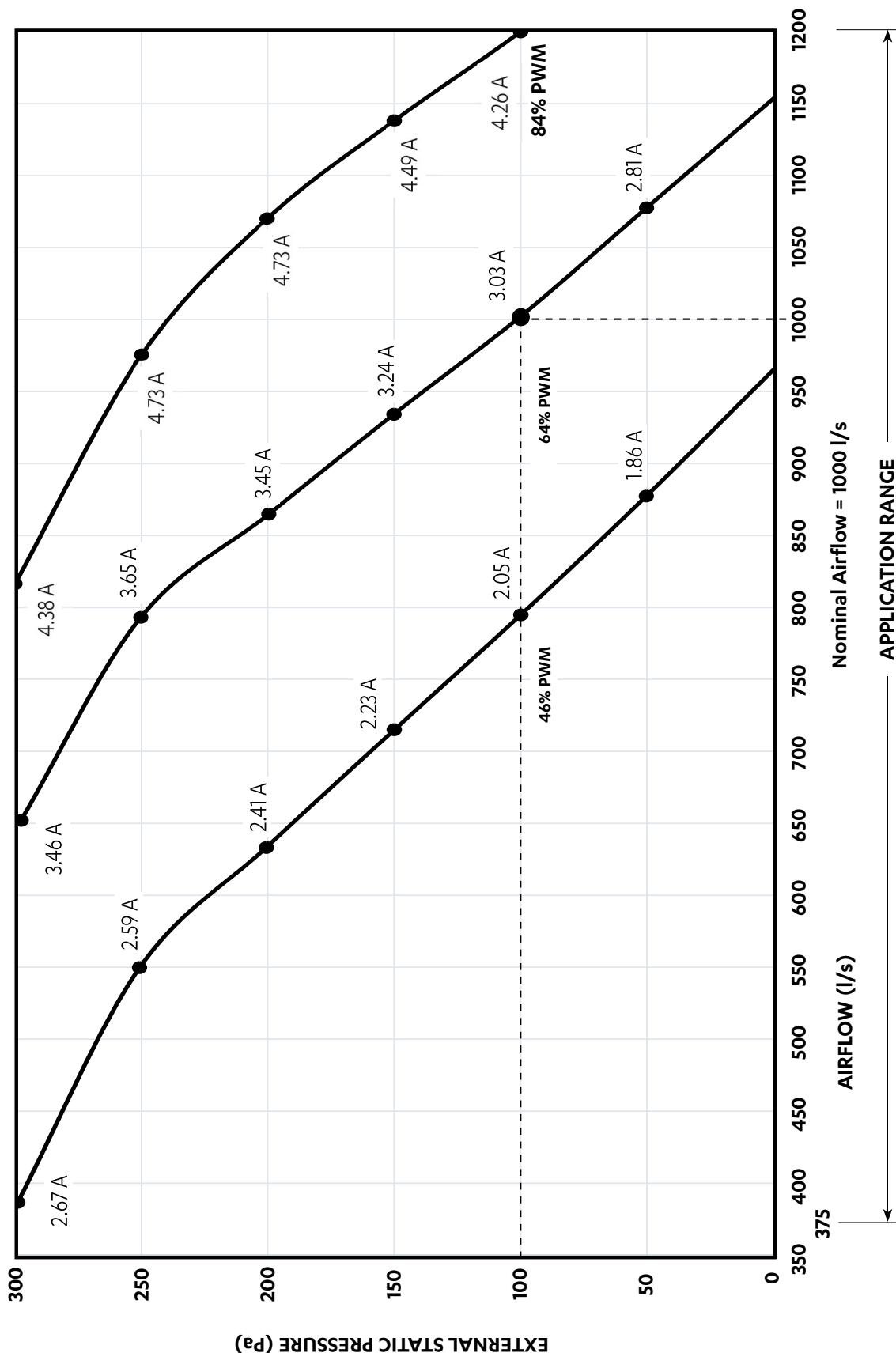


NOTE

Fan Performance Data and Fan Curve shown is at dry coil and with no air filters installed. Consider external static pressure drop specific to your design requirements. Airflow should be reduced with respect to the moisture content in the air. Please review filter manufacturer for application. 2.5 m/s face velocity point will occur outside the application range. Application range is applicable only for VFT function on Actron Controller. Refer to Third Party for application range using a non-Actron Controller.

THREE SPEED FAN CURVE

EVV19BS

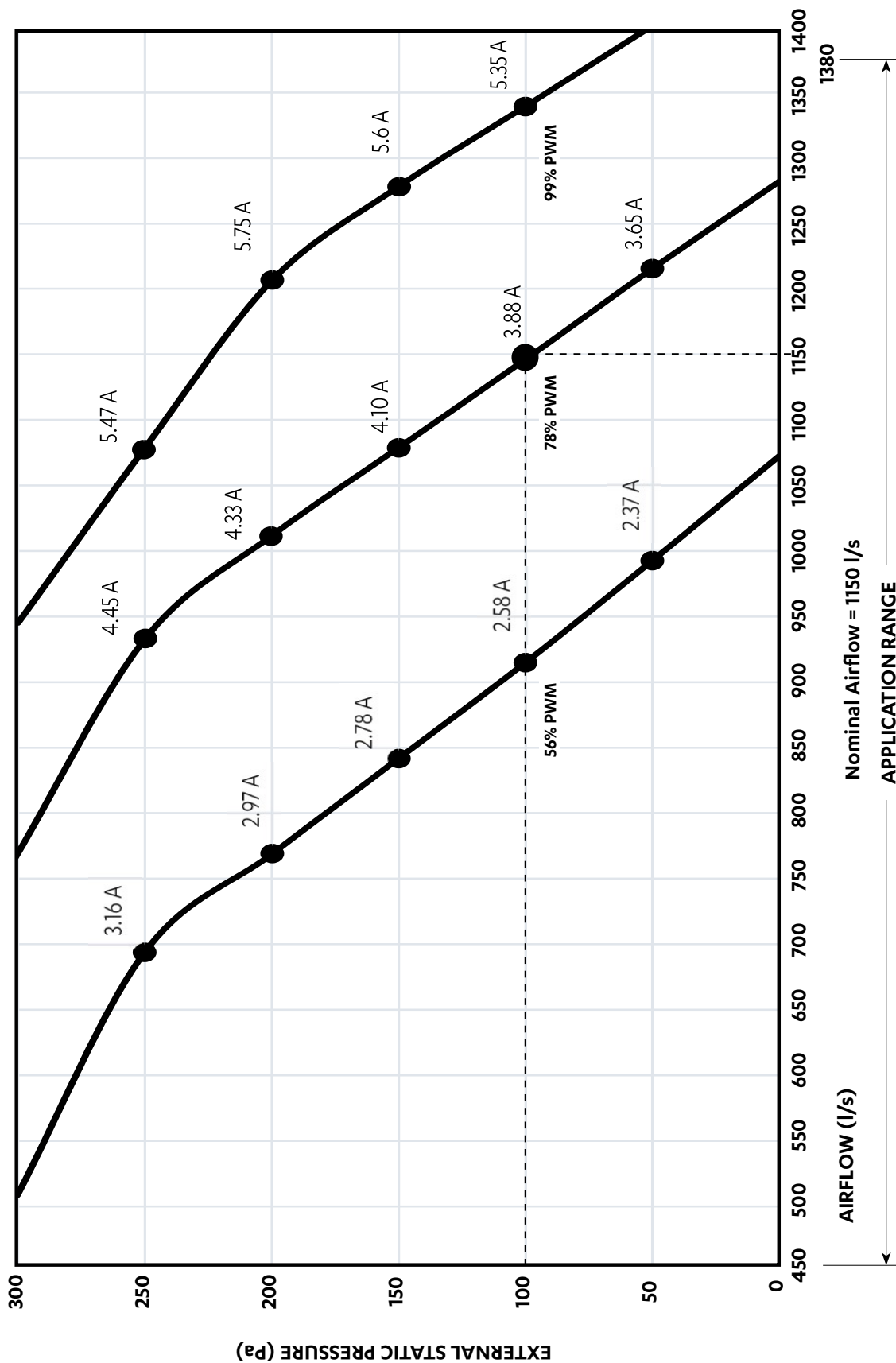


NOTE

Fan Performance Data and Fan Curve shown is at dry coil and with no air filters installed. Consider external static pressure drop specific to your design requirements. Airflow should be reduced with respect to the moisture content in the air. Please review filter manufacturer for application. 2.5 m/s face velocity point will occur outside the application range. Application range is applicable only for VFT function on Actron Controller. Refer to Third Party for application range using a non-Actron Controller.

THREE SPEED FAN CURVE

EVV22BS

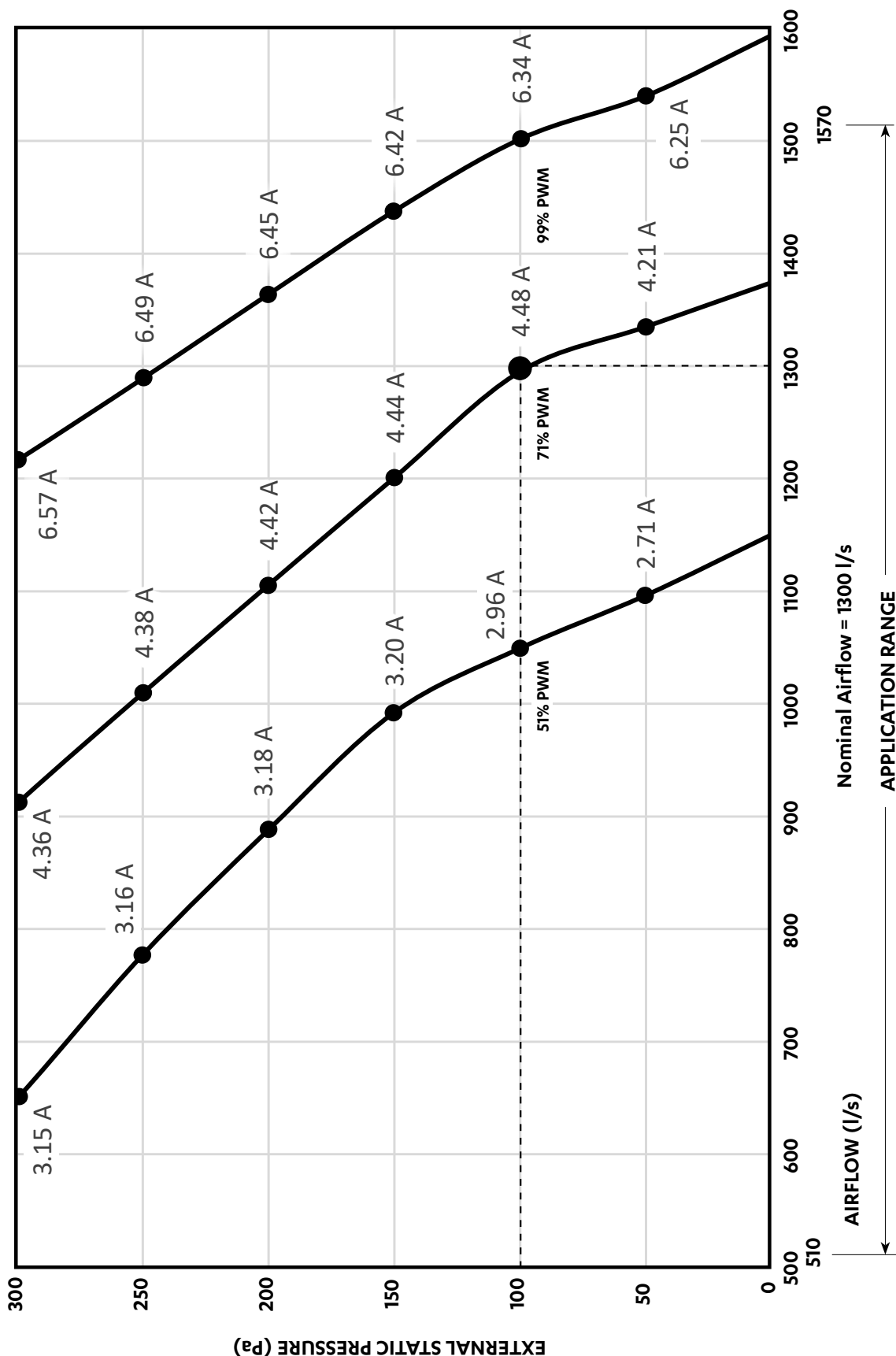


NOTE

Fan Performance Data and Fan Curve shown is at dry coil and with no air filters installed. Consider external static pressure drop specific to your design requirements. Airflow should be reduced with respect to the moisture content in the air. Please review filter manufacturer for application. 2.5 m/s face velocity point will occur outside the application range. Application range is applicable only for VFT function on Actron Controller. Refer to Third Party for application range using a non-Actron Controller.

THREE SPEED FAN CURVE

EVV25BS

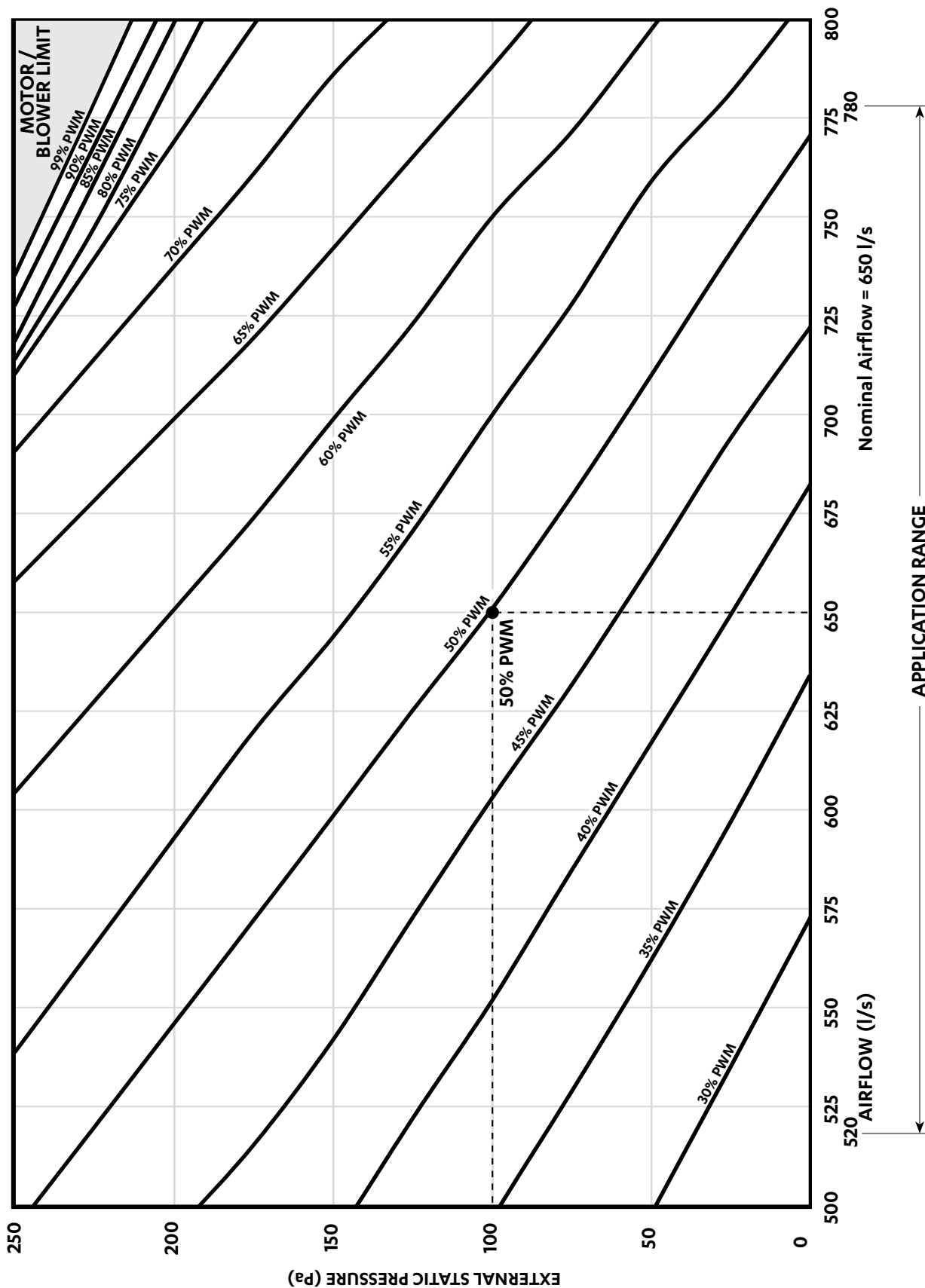


NOTE

Fan Performance Data and Fan Curve shown is at dry coil and with no air filters installed. Consider external static pressure drop specific to your design requirements. Airflow should be reduced with respect to the moisture content in the air. Please review filter manufacturer for application. 2.5 m/s face velocity point will occur outside the application range. Application range is applicable only for VFT function on Actron Controller. Refer to Third Party for application range using a non-Actron Controller.

THIRD PARTY FAN CURVE

EVV13BS

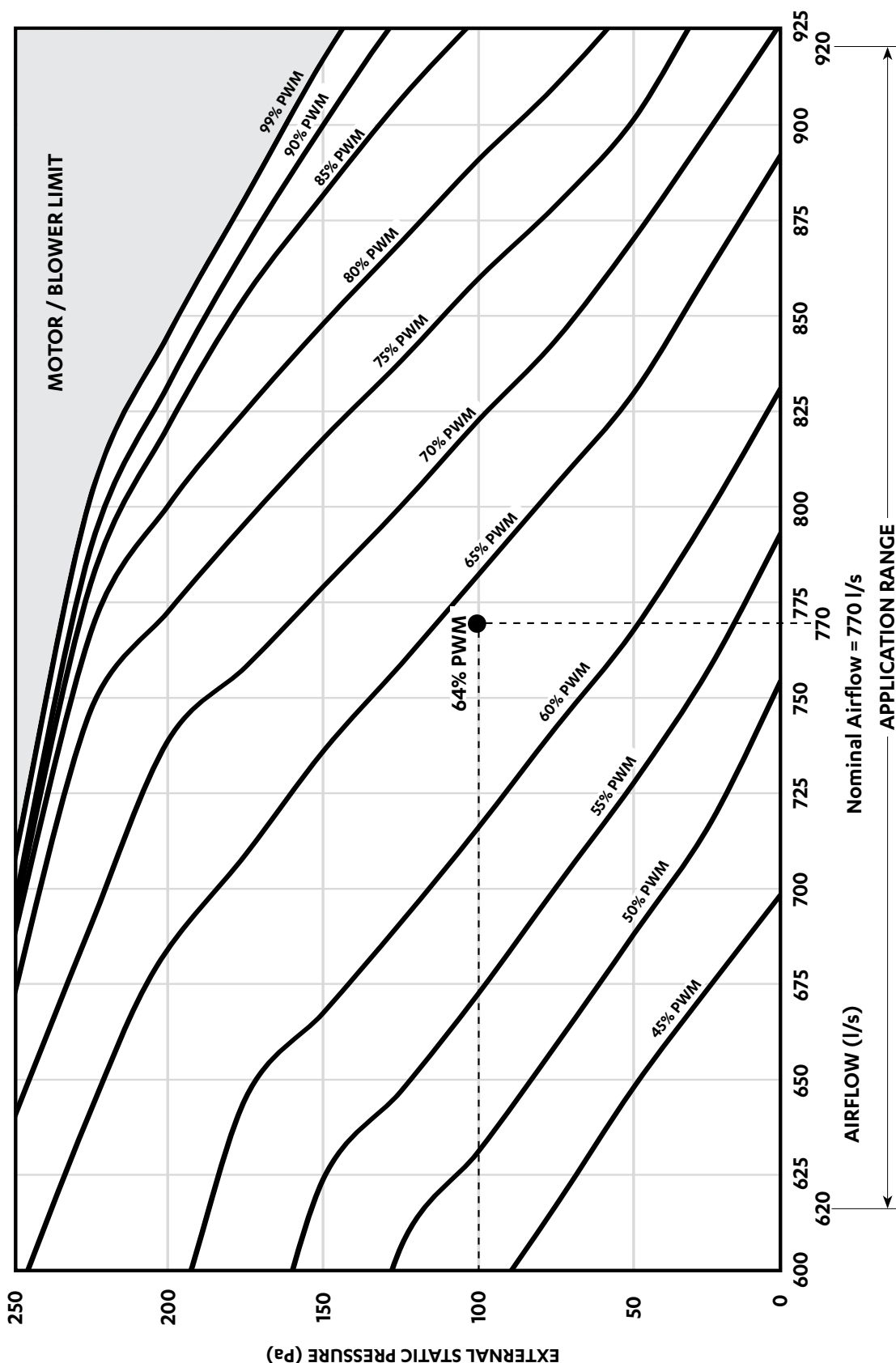


NOTE

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

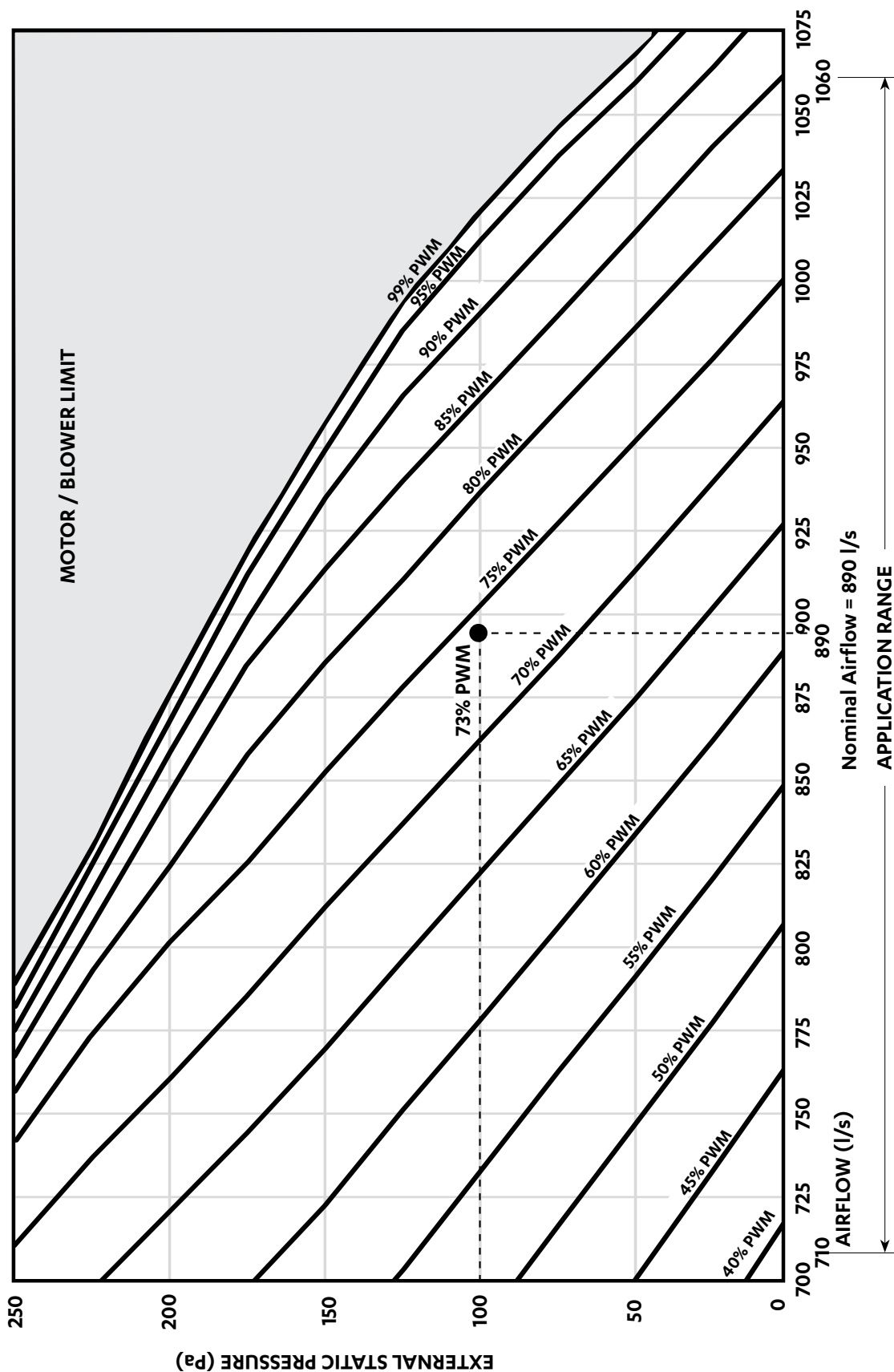
THIRD PARTY FAN CURVE

EVV15BS



NOTE

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

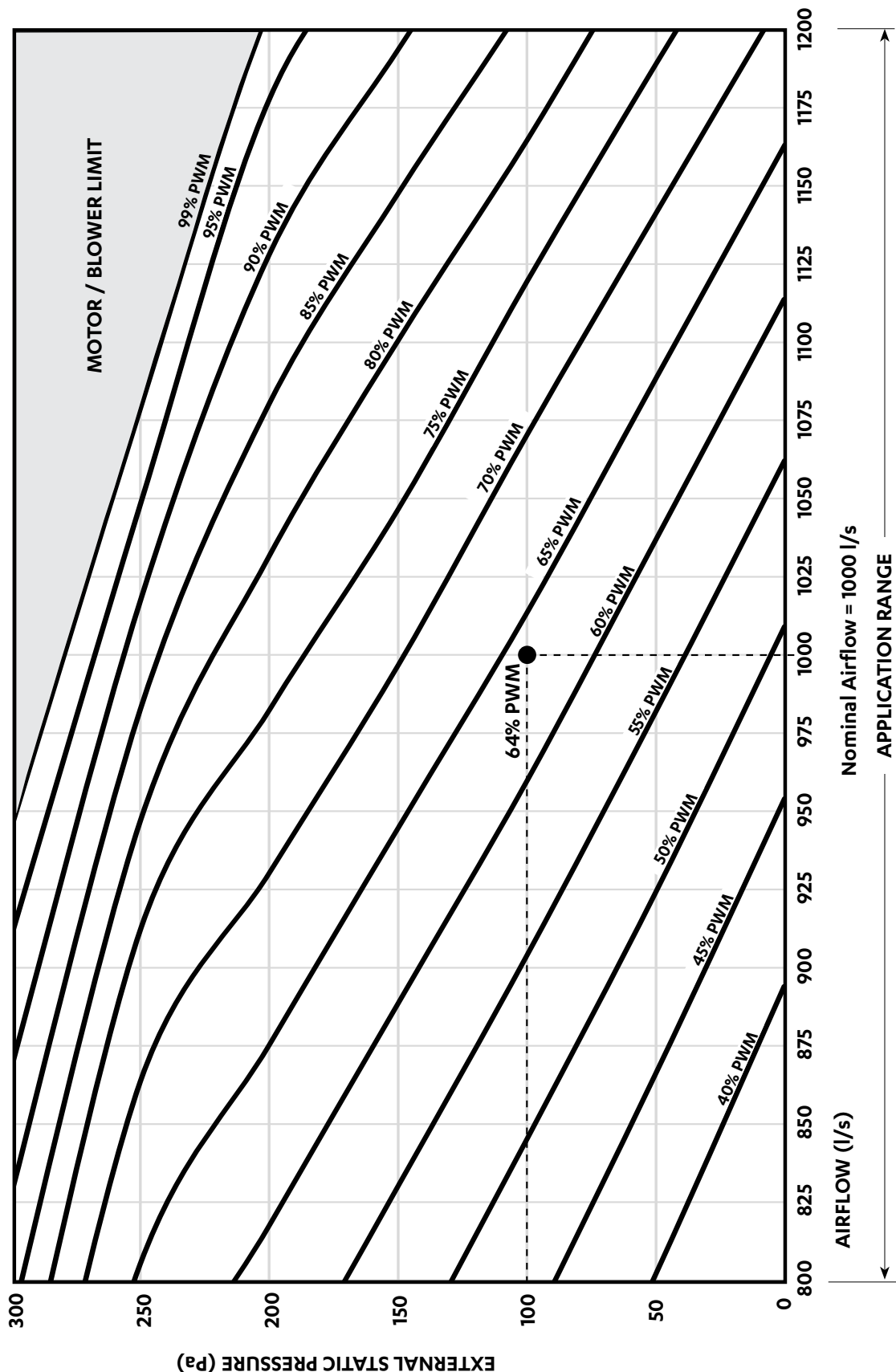


NOTE

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

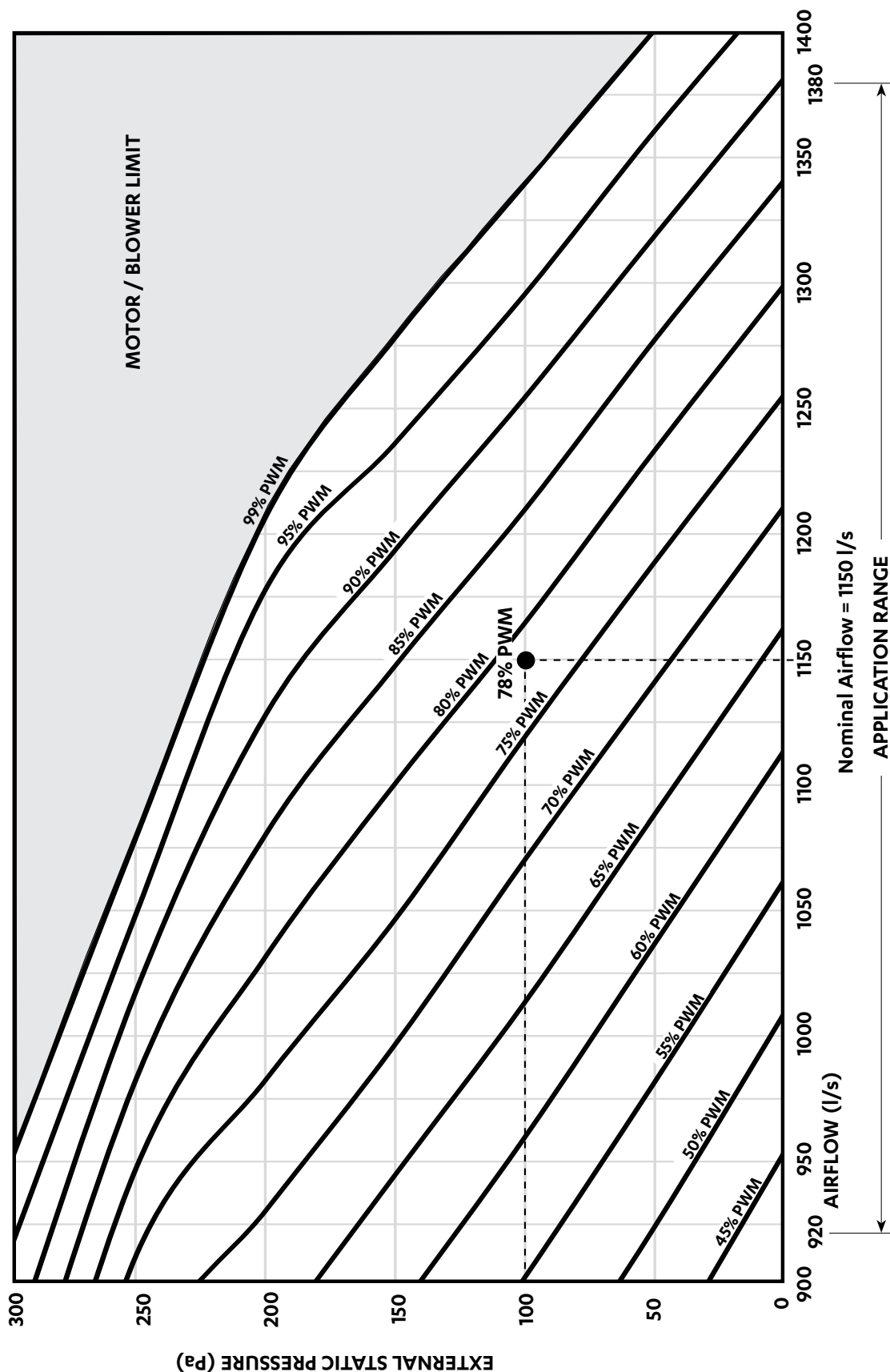
THIRD PARTY FAN CURVE

EVV19BS



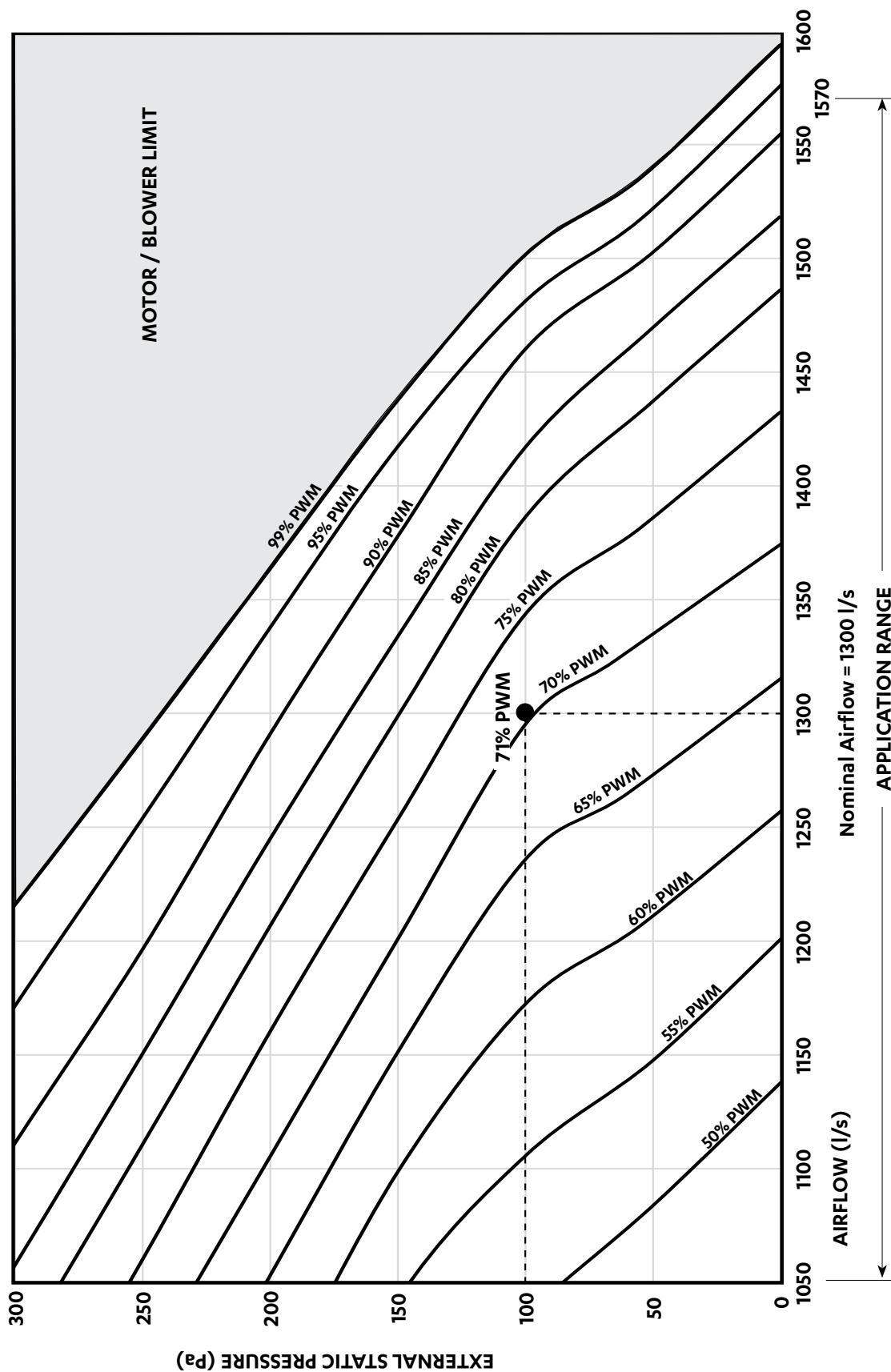
NOTE

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NOTE

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



NOTE

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

OUTDOOR UNIT DIMENSIONS

CRV13BS / CRV13BT / CRV15BS / CRV15BT / CRV17BS / CRV17BT / CRV19BT / CRV22BT / CRV25BT

NOTES:

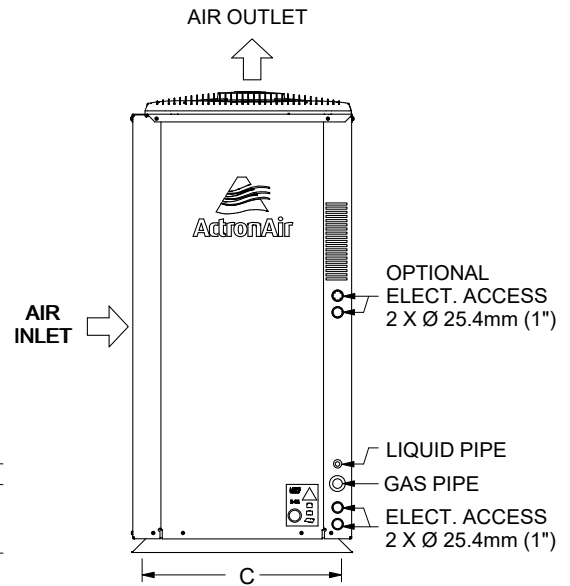
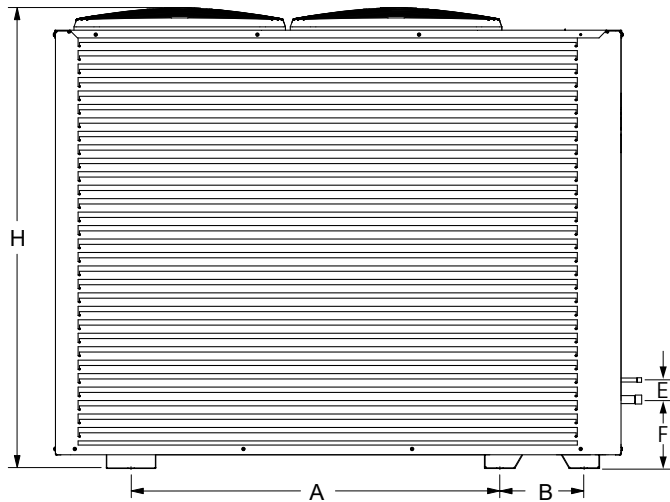
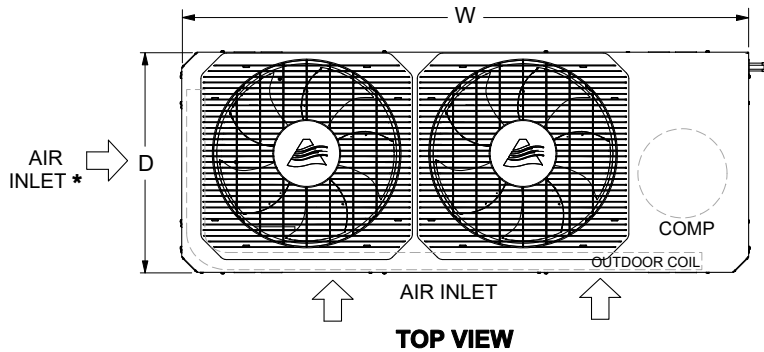
Condensation points are designed to ensure all condensation is removed efficiently to avoid water pooling with the condenser. If a single condensation drain point is required, ActronAir recommends the installation of a condenser tray. These are available as an additional accessory and are purchased separately.

Drawing is subject to change without notice.

CRV17BS / CRV17BT models shown for illustration purposes only.

*Air Inlet is only for CRV17BS/CRV17BT/CRV19BT/CRV22BT/CRV25BT models which have coil curve.

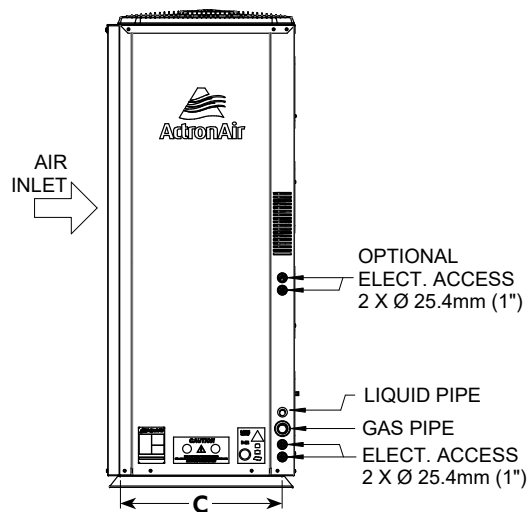
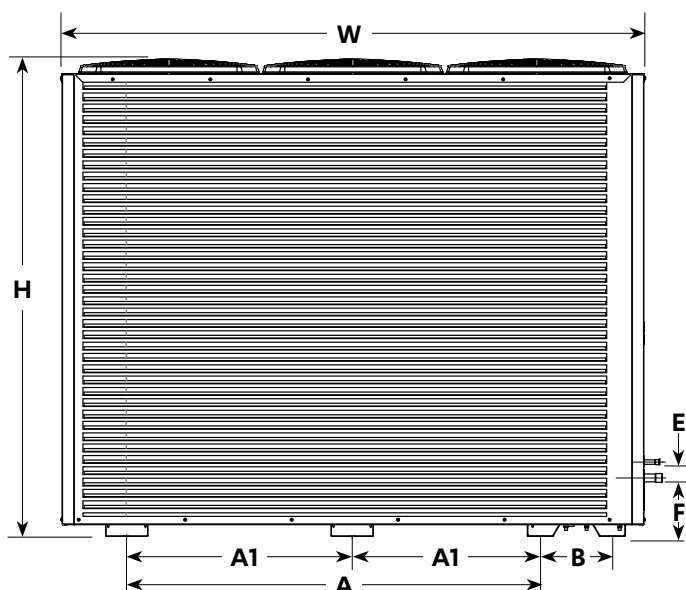
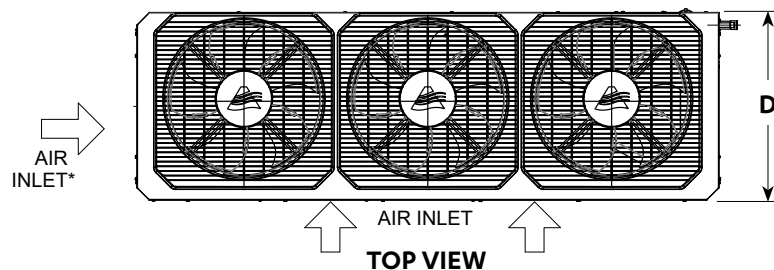
CRV13BS / CRV13BT / CRV15BS / CRV15BT / CRV17BS / CRV17BT / CRV19BT



Unit Model Number	Overall Nominal Dimension (OA)			Mounting Distance Base Foot (Centre to Centre)			Pipe Location		Gas Pipe Swaged	Liquid Pipe Swaged
	H	W	D	A	B	C	E	F		
CRV13BS / CRV13BT	1110	1365	530	887	202	480	47	166	Ø 19.05mm (3/4")	Ø 9.52 mm (3/8")
CRV15BS / CRV15BT										
CRV17BS / CRV17BT										
CRV19BT										

OUTDOOR UNIT DIMENSIONS

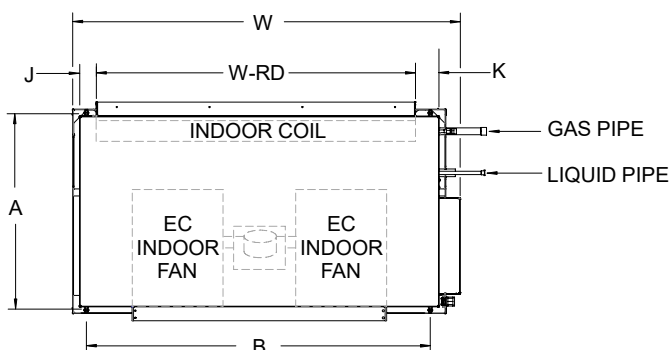
CRV22BT / CRV25BT



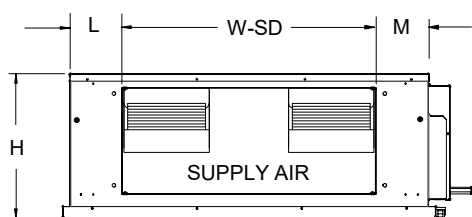
Unit Model Number	Overall Nominal Dimension (OA)			Mounting Distance Base Foot (Centre to Centre)					Pipe Location		Gas Pipe Swaged	Liquid Pipe Swaged
	H	W	D	A	A1	A2	B	C	E	F		
CRV22BT	1343	1641	530	1166	635	531	203	456	45	165	Ø 22.22mm (7/8")	Ø 12.7 mm (1/2")
CRV25BT												

INDOOR UNIT DIMENSIONS

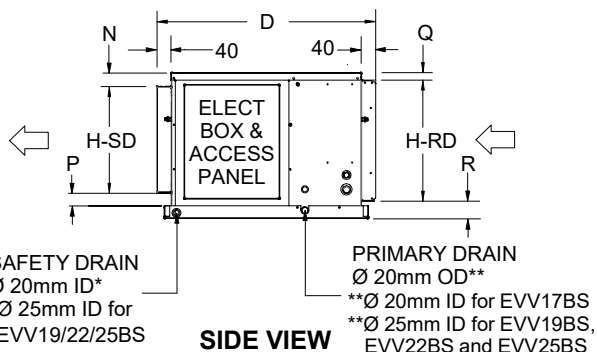
EVV13BS / EVV15BS / EVV17BS / EVV19BS / EVV22BS / EVV25BS



TOP VIEW



FRONT VIEW



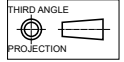
SIDE VIEW

Unit Model Number	Overall Nominal Dimension (OA)			Mounting Distance Base Foot (Centre to Centre)		Supply Duct	Return Duct	Gas Pipe Swaged	Liquid Pipe Swaged
	H	W	D	A	B	H-SD x W-SD	H-RD x W-RD		
EVV13BS	412	1090	615	548	990	300 x 715	340 x 900	Ø 19.05mm (3/4")	Ø 9.52mm (3/8")
EVV15BS		1290			1190		340 x 1100		
EVV17BS	435	1420	680	603	1315		360 x 1140		
EVV19BS	485	1470	695	645	1346	380 x 715	410 x 1190	Ø 22.22mm (7/8")	Ø 12.7mm (1/2") Cut to fit 9.52mm (3/8") field pipe
EVV22BS	485	1470	695	645	1346	380 x 715	410 x 1190	Ø 22.22mm (7/8")	Ø 12.7mm (1/2")
EVV25BS		1570			1446		410 x 1290		

Unit Model Number	Dimensions							
	J	K	L	M	N	P	Q	R
EVV13BS	47	65	148.5	148.5	40	72	22	50
EVV15BS	47	65	248.5	248.5	40	72	22	50
EVV17BS	79	118	311	311	25	110	25	50
EVV19BS	80	120	337.5	337.5	35	70	25	50
EVA22BS	80	120	337.5	337.5	35	70	25	50
EVA25BS	78	120	386.5	386.5	35	70	25	50

INDOOR UNIT DIMENSIONS

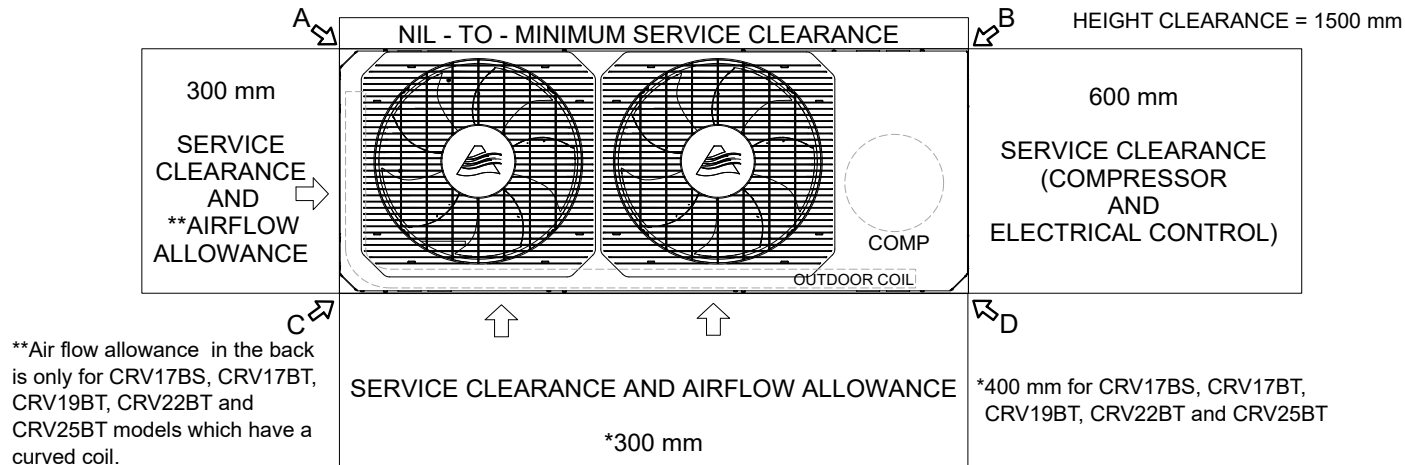
NOTES:



1. Do not scale drawing. All dimensions are in mm unless specified. Refer to corresponding unit dimensional drawing for mounting hole details.
2. Service Access Areas and Spaces for Airflow Clearances 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.
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.
 - Left Service Clearance can be 100mm minimum if Right Service Clearance is applicable.
 - Right Service Clearance can be 600mm minimum if Left Service Clearance is applicable.
 - Height Service Clearance can be 100mm minimum if Right Service Clearance is applicable.
4. Installation of this unit should be in accordance with AS/NZS 60335.2.40.
5. During installation ensure that the Minimum Floor Area of the smallest room is satisfied based on the Release height, or the maximum R-32 Charge amount is not exceeded.
6. Where a minimum area is not satisfied, the installer must provide additional control measure/s such as but not limited to ventilation, shut-off valves, and safety alarm in place as per AS/NZS 60335.2.40 standard for the installation to be acceptable. These control measures are not provided by ActronAir and must be determined by the installer based on individual installation requirements.
7. Refer to R-32 Safety Manual for further safety guides.

SERVICE CLEARANCES, AIRFLOW ALLOWANCES AND WEIGHTS

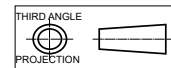
OUTDOOR UNIT



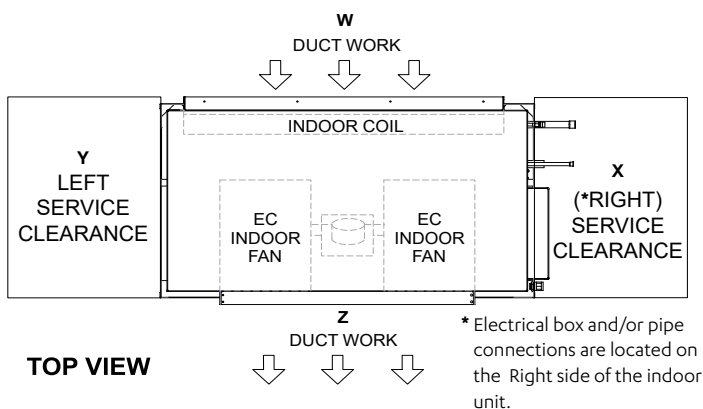
Unit Model Number	Total Weight (Kg)	Corner Weights (Kg)			
		A	B	C	D
CRV13BS	148	24	46	28	50
CRV15BS					
CRV17BS	155	36	38	30	51
CRV13BT	148	24	46	28	50
CRV15BT					
CRV17BT	155	36	38	30	51
CRV19BT	142	18	30	48	45
CRV22BT	178	14	42	60	62
CRV25BT	183	31	54	37	61

NOTES:

- Do not scale drawing. All dimensions are in **mm** unless otherwise specified. Refer to corresponding unit dimensional drawing for mounting hole details.
 - 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.
 - Refer Pipe Connection Details on Specifications Sheet.
 - Use M12 bolt for feet mounting.
 - For installation with release height less than or equal to 0.6m, minimum area will be computed based on release height of 0.6m.
 - Where A min (the minimum area required) is not satisfied, the installer must provide additional control measure/s in place as per AS/NZS 60335.2.40 standard for the installation to be acceptable.
- The examples of controls measures are (but are not limited to): Ventilation, Shut Off Valves and Safety Alarm. These control measures are not provided by ActronAir and must be determined by the installer based on individual installation requirements
- Refer to R-32 Safety Manual for minimum required area of installation.



INDOOR UNIT



Unit Model Number	Total Weight (Kg)	Service Clearance				Height Clearance
		X	Y	W	Z	
EVV13BS	44	800	800	Duct Work		340
EVV15BS	53	800	800	Duct Work		340
EVV17BS	61	800	800	Duct Work		410
EVV19BS	72	800	800	Duct Work		410
EVV22BT	76	800	800	Duct Work		410
EVV25BT	79	800	800	Duct Work		410

SOUND DATA

OUTDOOR RADIATED

Sound Power Level (SWL)

Model Number		Overall Sound Power Level dB(A)	Sound Pressure Level dB(A) @ 1M	Octave Band Centre Frequency (Hz), dB						
				125	250	500	1k	2k	4k	8k
CRV13BS	Tru.Max	73.6	60.5	77.4	73.7	71.8	67.9	63.3	58.4	48.4
	Rated	71.3	58.0	75.4	71.3	69.3	65.6	61.1	55.9	45.5
	Quiet	64.1	50.9	68.6	63.7	61.8	58.4	54.4	47.8	36.6
CRV15BS	Tru.Max	75.1	62.0	79.5	76.6	72.9	69.2	64.3	59.7	54.9
	Rated	75.1	62.0	79.5	76.6	72.9	69.2	64.3	59.7	54.9
	Quiet	66.0	52.8	68.9	65.6	63.9	60.5	56.4	50.3	39.0
CRV17BS	Tru.Max	75.1	62.0	79.5	76.6	72.9	69.2	64.3	59.7	54.9
	Rated	75.1	62.0	79.5	76.6	72.9	69.2	64.3	59.7	54.9
	Quiet	65.7	52.9	69.0	66.0	63.4	60.2	56.2	50.8	39.2
CRV13BT	Tru.Max	72.9	60.1	76.9	73.0	70.6	67.5	62.9	58.4	48.6
	Rated	70.5	57.5	74.7	70.8	68.1	65.1	60.7	55.9	45.5
	Quiet	63.6	50.5	67.4	63.6	61.2	58.2	54.2	48.2	36.7
CRV15BT	Tru.Max	74.6	61.7	78.2	75.1	72.5	69.3	64.5	60.1	50.7
	Rated	74.6	61.7	78.2	75.1	72.5	69.3	64.5	60.1	50.7
	Quiet	65.5	52.7	68.8	65.8	63.2	60.0	56.0	50.6	39.0
CRV17BT	Tru.Max	74.6	61.7	78.2	75.1	72.5	69.3	64.5	60.1	50.7
	Rated	74.6	61.7	78.2	75.1	72.5	69.3	64.5	60.1	50.7
	Quiet	65.7	52.9	69.0	66.0	63.4	60.2	56.2	50.8	39.2

Sound Power Level (SWL)

Model Number		Overall Sound Power Level dB(A)	Octave Band Frequency Sound Power Level / dB								Sound Pressure Level dB(A) @1m	
			63	125	250	500	1k	2k	4k	8k	C	H
CRV19BT	Tru.Max	77.5	79.5	83.1	79.5	76.3	72.7	67.7	63.0	55.4	65.4	65.6
	Rated	77.5	79.5	83.1	79.5	76.3	72.7	67.7	63.0	55.4	65.4	65.6
	Quiet	69.0	76.2	74.0	70.4	68.1	64.1	59.7	54.7	45.7	57.0	57.7
CRV22BT	Tru.Max	77.4	85.8	82.6	80.9	76.1	71.6	66.9	62.6	53.4	64.5	64.9
	Rated	77.4	85.8	82.6	80.9	76.1	71.6	66.9	62.6	53.4	64.5	64.9
	Quiet	70.1	81.1	74.7	73.2	68.6	64.6	60.4	55.6	45.5	58.3	58.8
CRV25BT	Tru.Max	78.8	82.4	87.2	81.3	76.8	72.9	68.5	63.5	55.5	65.2	65.6
	Rated	78.8	82.4	87.2	81.3	76.8	72.9	68.5	63.5	55.5	65.2	65.6
	Quiet	72.4	82.9	78.7	74.3	71.0	67.0	62.9	57.8	48.4	59.2	59.3

SOUND DATA

INDOOR OUTLET

Sound Power Level (SWL)

Model Number	Airflow Setting	Airflow l/s	Air Outlet Overall Sound Power Level dB(A)	Air Outlet Octave Band Frequency Sound Power Level / dB								Case Radiated Sound Pressure Level @1.5m
				63	125	250	500	1k	2k	4k	8k	
EVV13BS	Nominal	650	69.5	71.0	70.0	68.0	67.9	63.6	61.5	57.4	49.7	39.5
EVV15BS	Nominal	770	72.4	74.7	71.9	68.9	71.7	66.4	63.6	60.1	52.6	42.4
EVV17BS	Nominal	890	74.4	75.7	74.8	73.6	71.5	68.9	66.5	63.5	56.3	44.4
EVV19BS	Nominal	1000	72.1	72.8	72.0	67.9	70.3	66.3	64.3	61.3	55.1	42.0
EVV22BS	Nominal	1380	74.5	75.8	70.4	69.3	71.1	69.1	67.5	65.7	56.9	44.5
EVV25BS	Nominal	1300	74.5	75.8	70.4	69.3	71.1	69.1	67.5	65.7	56.9	44.5

NOTE:

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

SPECIFICATIONS

SINGLE PHASE

MODEL NUMBERS		CRV13BS/ EVV13BS		CRV15BS/ EVV15BS		CRV17BS/ EVV17BS	
DIMENSIONAL SPECIFICATION							
Outdoor Overall Dimensions (mm)	Depth	530					
	Height	1110					
	Width	1365					
Indoor Overall Dimensions (mm)	Depth	615		615		680	
	Height	412		412		435	
	Width	1090		1290		1420	
Primary Condensate Drain Connection - Size		20mm OD				20mm ID	
Safety Tray Connection - Size		20mm ID					
Air Duct	Supply Duct H x W - (mm)	300 x 715					
	Return Duct H x W - (mm)	340 x 900		340 x 1100		360 x 1140	
WEIGHT (kg) -- INDOOR / OUTDOOR		44 / 148		53 / 148		61 / 155	
INSULATION (INDOOR UNIT)							
TYPE		Foil Faced Polyethylene					
		Expanded Polystyrene					
OUTDOOR COIL							
TUBE TYPE		Copper - Rifle Bore					
FIN TYPE		Aluminium					
FACE AREA (m sqr)		1.2		1.2		1.6	
COIL COATING		Hydrophilic Blue Fin Coil Coat Protection					
OUTDOOR FAN							
NUMBER OF FANS x TYPE		2 x Axial / 6 Pole External Rotor / Direct Drive					
FAN SPEED CONTROL		Variable Speed					
The factory installed outdoor fans fitted to this unit will accept up to 40 Pa of external static resistance.							
INDOOR COIL							
TUBE TYPE		Copper - Rifle Bore					
FIN TYPE		Aluminium					
FACE AREA (m sqr)		0.34		0.41		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							
NUMBER PER UNIT x TYPE		1 x Inverter Variable Speed Scroll					
STARTING METHOD		Variable Speed Drive					
REFRIGERATION SYSTEM							
REFRIGERANT TYPE		R-32					
EXPANSION CONTROL		Direct Expansion Orifice /EEV					
FACTORY CHARGE (grams)		2793		3428		3317	
PRE-CHARGE LENGTH (metres)		15		15		15	
Minimum room area (m²)		5.514		7.439		6.965	
Factory charge @2.2m release height							
ADDITIONAL REF. CHARGE (gram/metre)		40					
FILTER DRIER							
CONNECTION SIZE AND TYPE		9.52 mm (3/8”) ODF Soldered Bi-Flow					
FACTORY SUPPLIED / FITTED		No					

SPECIFICATIONS

MODEL NUMBERS		CRV13BS/ EVV13BS	CRV15BS/ EVV15BS	CRV17BS/ EVV17BS
FIELD PIPE SIZES				
LIQUID PIPE		9.52 mm (3/8")		
GAS PIPE		19.05 mm (3/4")		
INTERCONNECTING PIPE RUN				
MAX. EQUIVALENT PIPE LENGTH (metres)		60		
MAX. VERTICAL HEIGHT DIFFERENTIAL (metres)		20 (Included in Max. Pipe Length)		
MAXIMUM REFRIGERATION CHARGE @ MAXIMUM PIPE LENGTH (gm) /		4593 /	5228 /	5117 /
MINIMUM ROOM AREA @ 2.2m RELEASE HEIGHT (m²)		13.354	17.302	16.575
PIPE CONNECTIONS				
INDOOR	LIQUID PIPE	9.52 mm (3/8") Swaged to fit 9.52 mm (3/8") field pipe		
	GAS PIPE	19.05 mm (3/4") Swaged to fit 19.05 mm (3/4") field pipe		
OUTDOOR	LIQUID PIPE	9.52 mm (3/8") Swaged to fit 9.52 mm (3/8") field pipe		
	GAS PIPE	19.05 mm (3/4") Swaged to fit 19.05 mm (3/4") field pipe		
CONNECTION TYPE		Solder		
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		
*Crankcase Heater is to be disconnected for pipe lengths 8 m or less.				
ELECTRIC CONTROLS				
DEFROST METHOD		Reverse Cycle		
DEFROST TYPE		Adaptive Demand Defrost		
CONTROL FIELD WIRING		2 Core (1 Pair) Twisted Pair, 7/0.30 (0.5mm2) Shielded 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°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.	21°C DB / 16°C WB		
	MIN.	-15°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 an accessible location between the return air grille and the unit. ActronAir does not supply or make any provisions for return air filter.



SPECIFICATIONS

THREE PHASE

MODEL NUMBERS		CRV13BT/ EVV13BS	CRV15BT/ EVV15BS	CRV17BT/ EVV17BS	CRV19BT/ EVV19BS	CRV22BT/ EVV22BS	CRV25BT/ EVV25BS
DIMENSIONAL SPECIFICATION							
Outdoor Overall Dimensions (mm)	Depth	530				530	
	Height	1110				1343	
	Width	1365				1641	
Indoor Overall Dimensions (mm)	Depth	615	615	680	645	695	
	Height	412	412	435	485	485	
	Width	1090	1290	1420	1470	1570	
Primary Condensate Drain Connection - Size		20mm OD		20mm ID	25mm ID	25mm	
Safety Tray Connection - Size		20mm ID			25mm ID	25mm	
Air Duct	Supply Duct H x W - (mm)	300 x 715			715 x 380	380 x 715	
	Return Duct H x W - (mm)	340 x 900	340 x 1100	360 x 1140	1190 x 410	410 x 1190	410 x 1290
WEIGHT (kg) -- INDOOR / OUTDOOR		44 / 148	53 / 148	61 / 155	75 / 142	76 / 178	79 / 183
INSULATION (INDOOR UNIT)							
TYPE		Foil Faced Polyethylene					
		Expanded Polystyrene					
OUTDOOR COIL							
TUBE TYPE		Copper - Rifle Bore Enhanced					
FIN TYPE		Aluminium				Aluminum Lanced Straight Edge	
FACE AREA (m sqr)		1.2	1.2	1.6	1.6	1.9	2.3
COIL COATING		Hydrophilic Blue Fin Coil Coat Protection					
OUTDOOR FAN							
NUMBER OF FANS x TYPE		2 x Axial / 6 Pole External Rotor / Direct Drive				3 x Axial / External Rotor / Direct Drive	
FAN SPEED CONTROL		Variable Speed					
MAXIMUM EXTERNAL STATIC		40 Pa				10	
INDOOR COIL							
TUBE TYPE		Copper - Rifle Bore Enhanced					
FIN TYPE		Aluminium					
FACE AREA (m sqr)		0.34	0.41	0.48	0.55	1	
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			256 x 420	240 x 180	
MOTOR TYPE / DRIVE TYPE		Variable Speed EC Motor / Direct					
COMPRESSOR							
NUMBER PER UNIT x TYPE		1 x Inverter Variable Speed Scroll					
STARTING METHOD		Variable Speed Drive					
REFRIGERATION SYSTEM							
REFRIGERANT TYPE		R-32					
EXPANSION CONTROL		Direct Expansion Orifice /EEV					
FACTORY CHARGE (grams)		2348	3224	3562	4570	5490	5700
PRE-CHARGE LENGTH (metres)		15					
Minimum room area (m²) Factory charge @2.2m release height		4.635	6.580	8.032	13.221	19.554	21.079
ADDITIONAL REF. CHARGE (gram/metre)		40				80	
FILTER DRIER							
CONNECTION SIZE AND TYPE		9.52 mm (3/8”) ODF Soldered Bi-Flow				12.7mm (1/2”) ODF Soldered Bi-Flow	
FACTORY SUPPLIED / FITTED		Fitted					

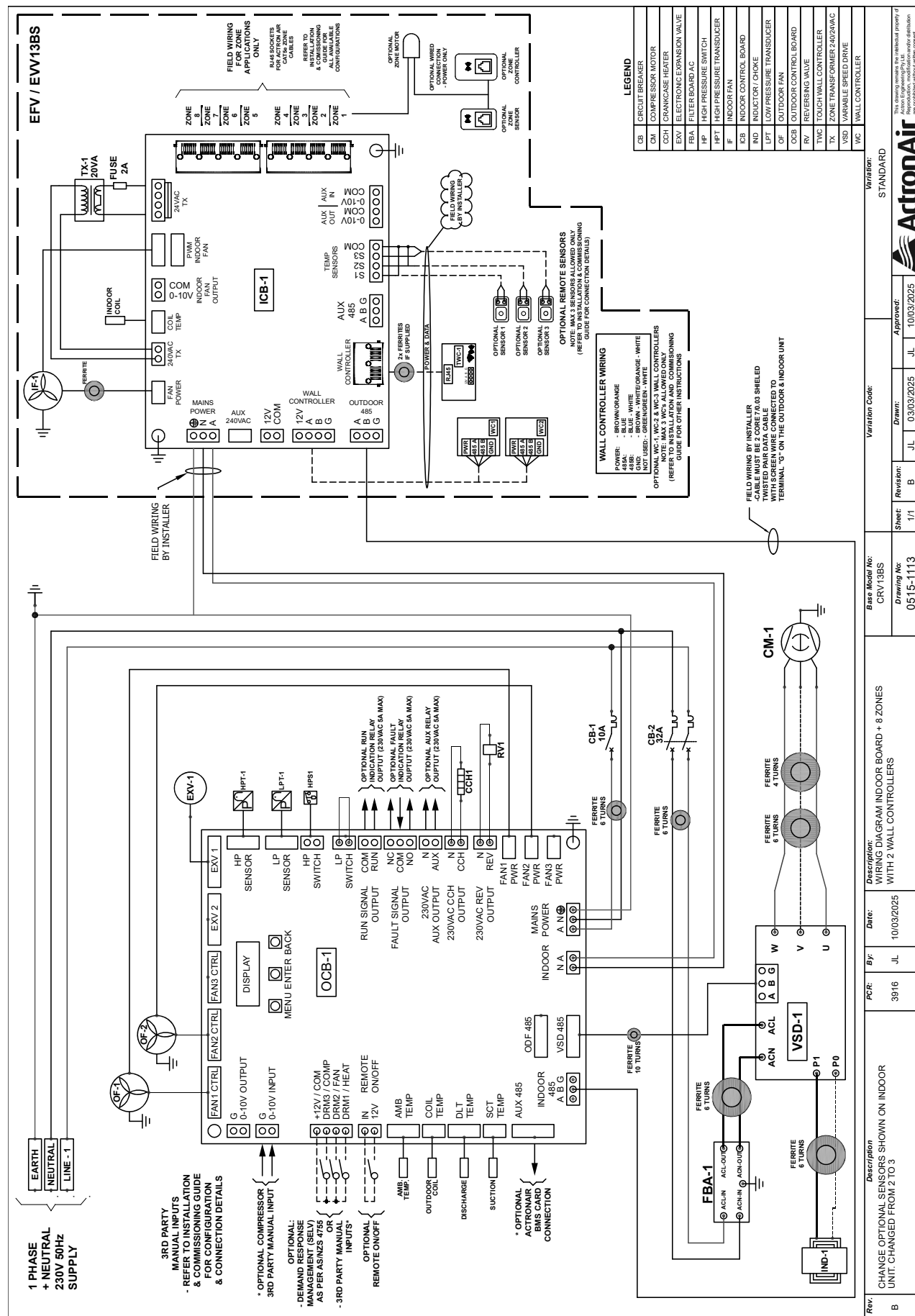


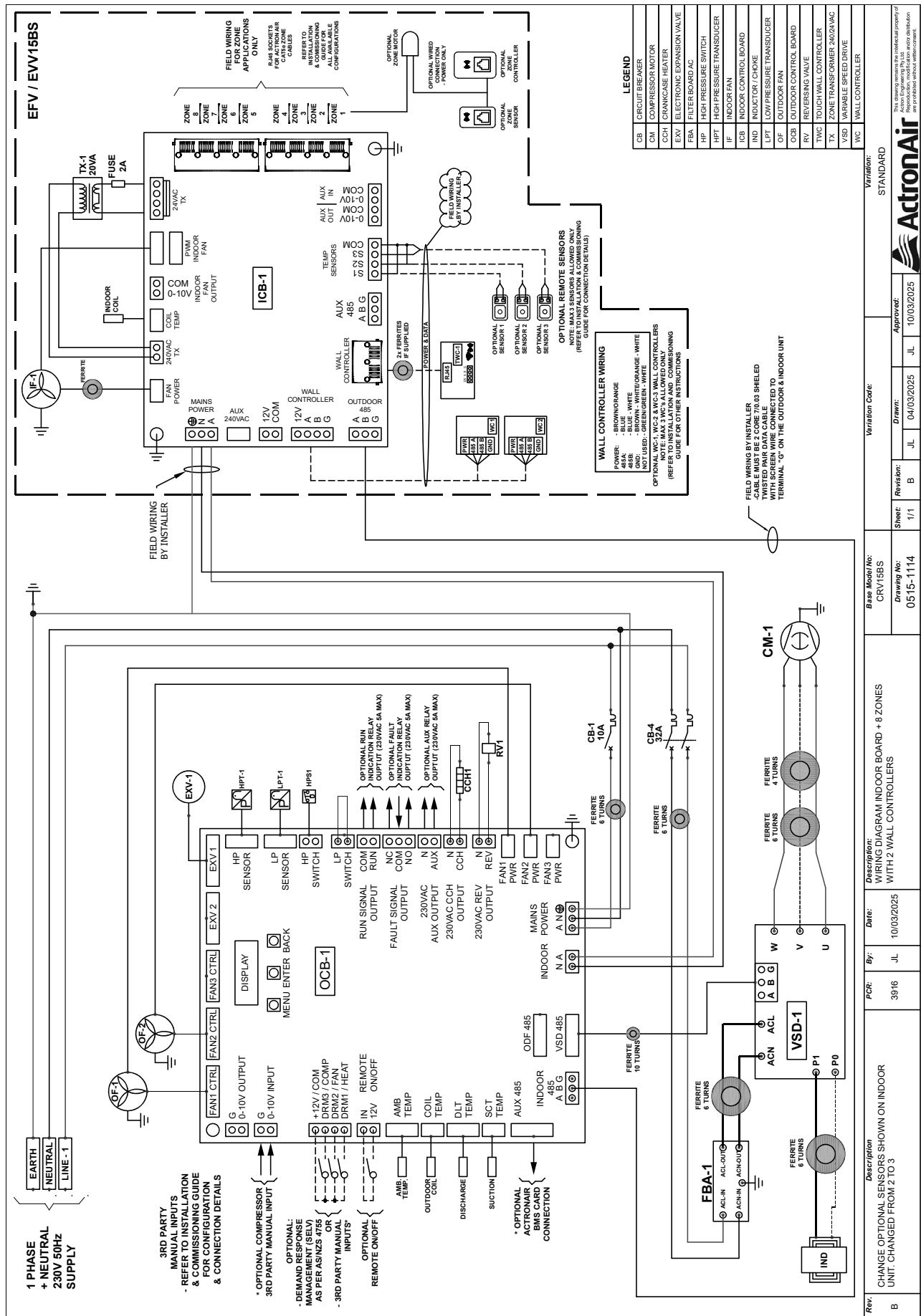
SPECIFICATIONS

MODEL NUMBERS		CRV13BT/ EVV13BS	CRV15BT/ EVV15BS	CRV17BT/ EVV17BS	CRV19BT/ EVV19BS	CRV22BT/ EVV22BS	CRV25BT/ EVV25BS
FIELD PIPE SIZES							
LIQUID PIPE		9.52 mm (3/8")				12.7mm (1/2")	
GAS PIPE		19.05 mm (3/4")			22.22mm (7/8")	22.22mm (7/8")	
INTERCONNECTING PIPE RUN							
MAX. EQUIVALENT PIPE LENGTH (metres)		60			50	60	
MAX. VERTICAL HEIGHT DIFFERENTIAL (metres)		20 (Included in Max. Pipe Length)					
MAXIMUM REFRIGERATION CHARGE @ MAXIMUM PIPE LENGTH (gm)		4148	5024	5362	5970	9090	9300
/ MINIMUM ROOM AREA @ 2.2m RELEASE HEIGHT (m²)		/ 10.892	/ 15.978	/ 18.200	/ 22.562	/ 53.607	/ 56.112
PIPE CONNECTIONS							
INDOOR	LIQUID PIPE	9.52 mm (3/8") Swaged to fit 9.52 mm (3/8") field pipe			12.7mm (1/2") Swaged	12.7mm (1/2")	
	GAS PIPE	19.05 mm (3/4") Swaged to fit 19.05 mm (3/4") field pipe			22.22mm (7/8") Swaged	22.22mm (7/8")	
OUTDOOR	LIQUID PIPE	9.52 mm (3/8") Swaged to fit 9.52 mm (3/8") field pipe				12.7mm (1/2")	
	GAS PIPE	19.05 mm (3/4") Swaged to fit 19.05 mm (3/4") field pipe				22.22mm (7/8")	
CONNECTION TYPE		Solder					
PROTECTION DEVICES							
HIGH PRESSURE CUTOUT SWITCH		Nonadjustable (Automatic Reset)					
COMPRESSOR MOTOR TEMP.		Internal Thermal Cut-Out				Built-in Drive Protection	
INDOOR FAN OVERLOAD		Internal Thermal Cut-Out					
OUTDOOR FAN OVERLOAD		Internal Thermal Cut-Out					
SUMP HEATER WATTS* During Compressor Off Cycle		30 W					
*Crankcase Heater is to be disconnected for pipe lengths 8 m or less.							
ELECTRIC CONTROLS							
DEFROST METHOD		Reverse Cycle					
DEFROST TYPE		Adaptive Demand Defrost					
CONTROL FIELD WIRING		2 Core (1 Pair) Twisted Pair, 7/0.30 (0.5mm2) Shielded 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°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				54°C DB	
	MIN.	5°C DB					
HEATING MODE	MAX.	21°C DB / 16°C WB					
	MIN.	-15°C DB					

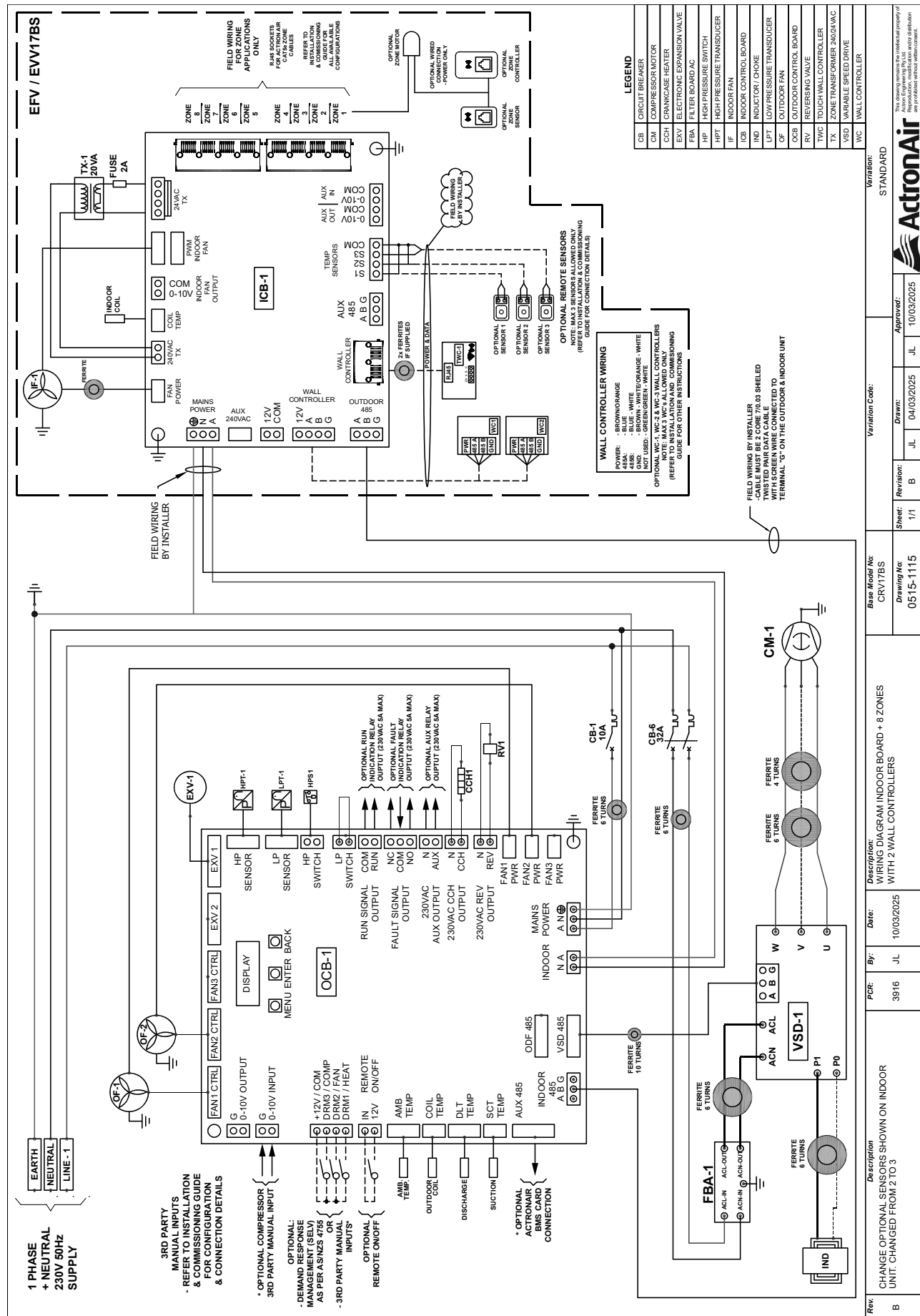
AIR FILTERS

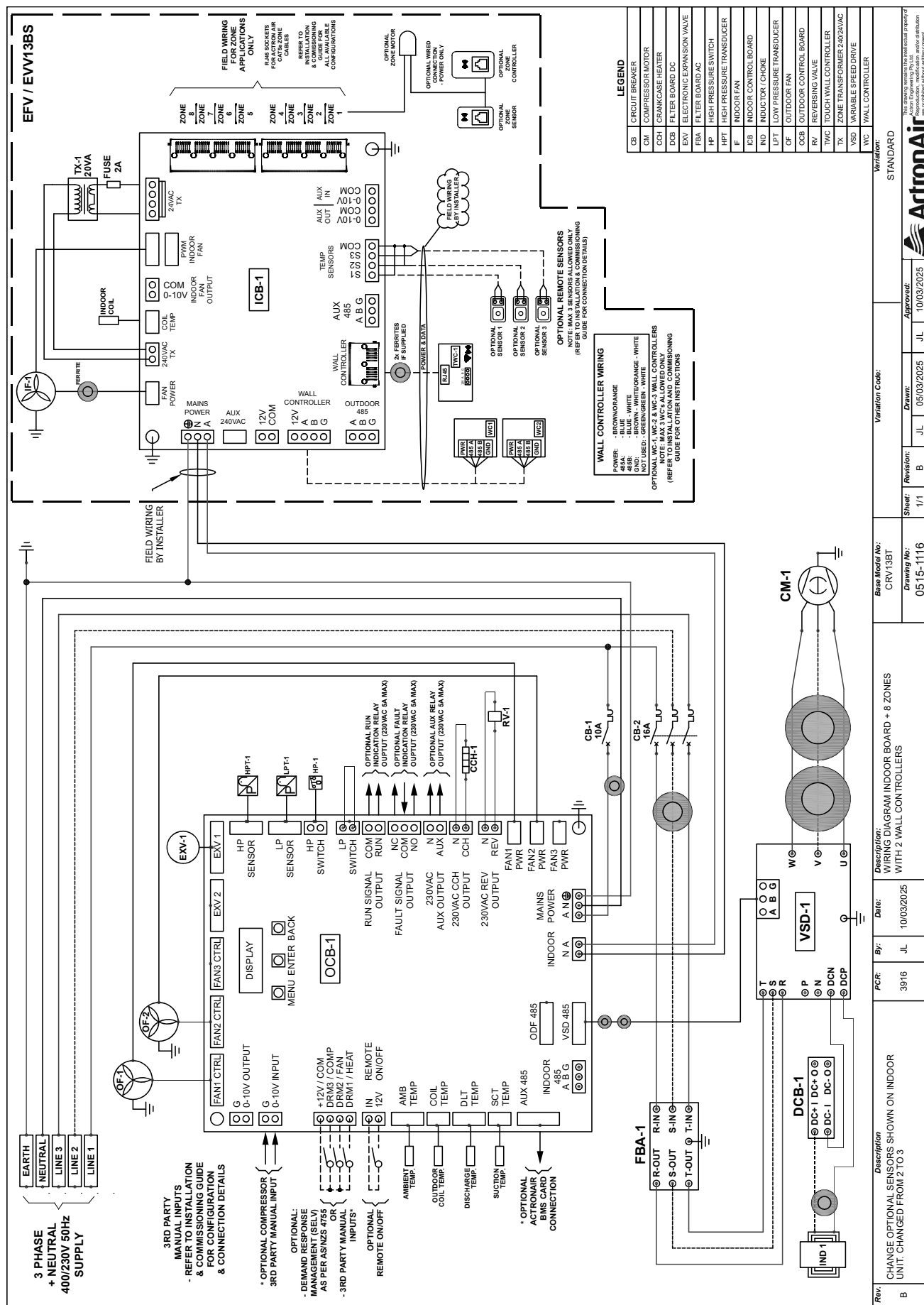
All return air including fresh air must have adequate filters supplied and fitted by the installing contractor. Filters must be located in an accessible location between the return air grille and the unit. ActronAir does not supply or make any provisions for return air filter.

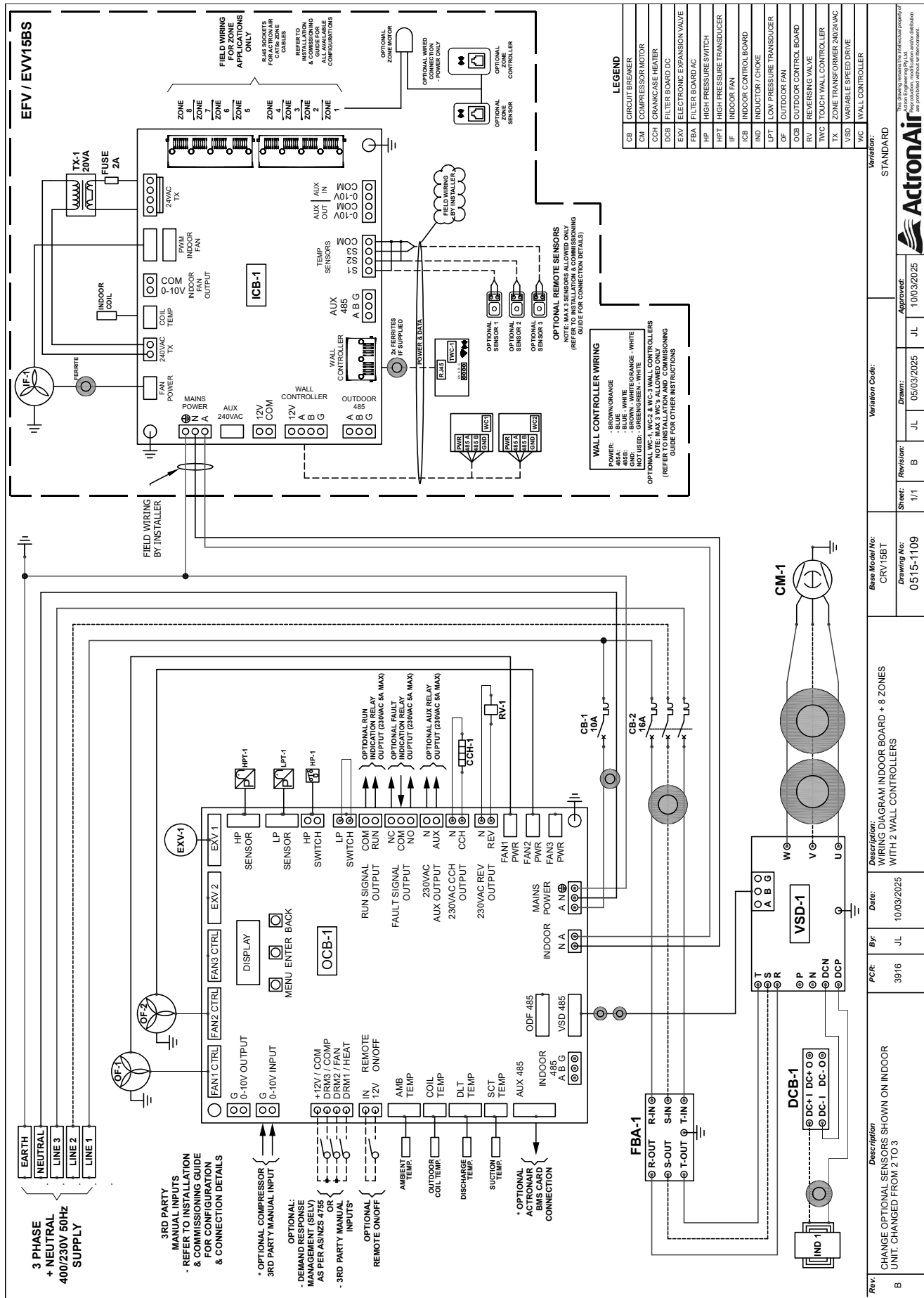


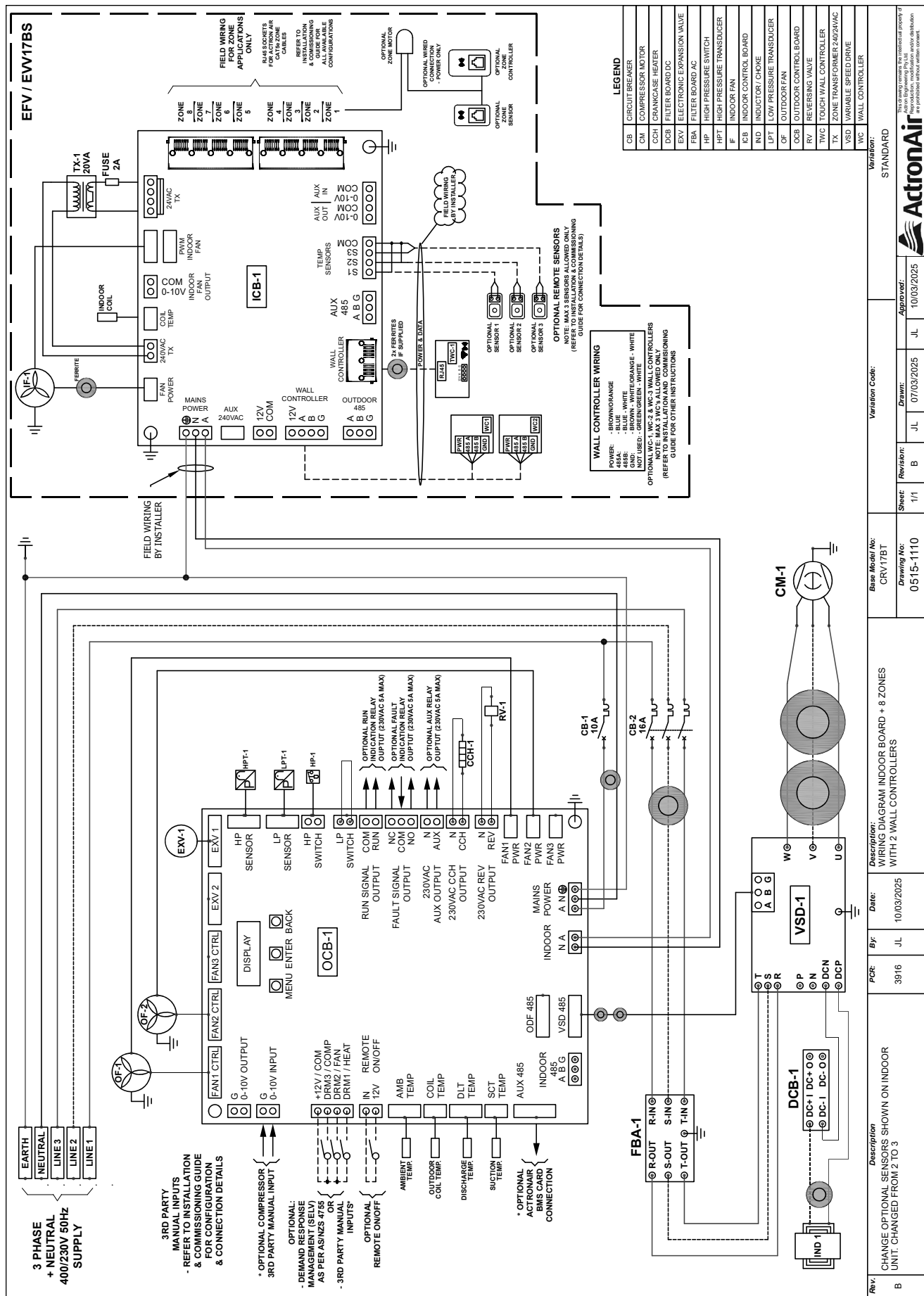


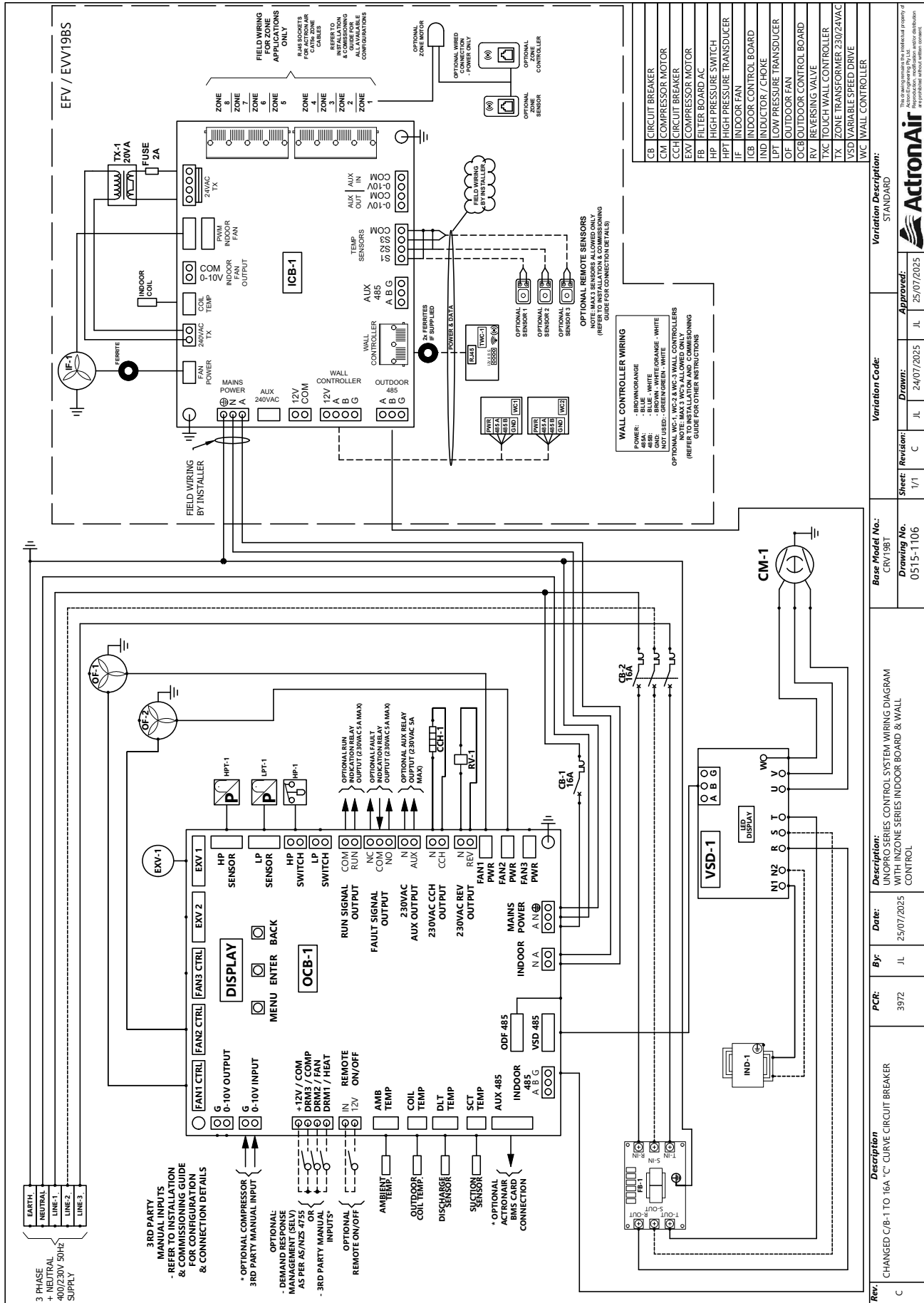
WIRING DIAGRAM - SINGLE PHASE (CRV17BS)

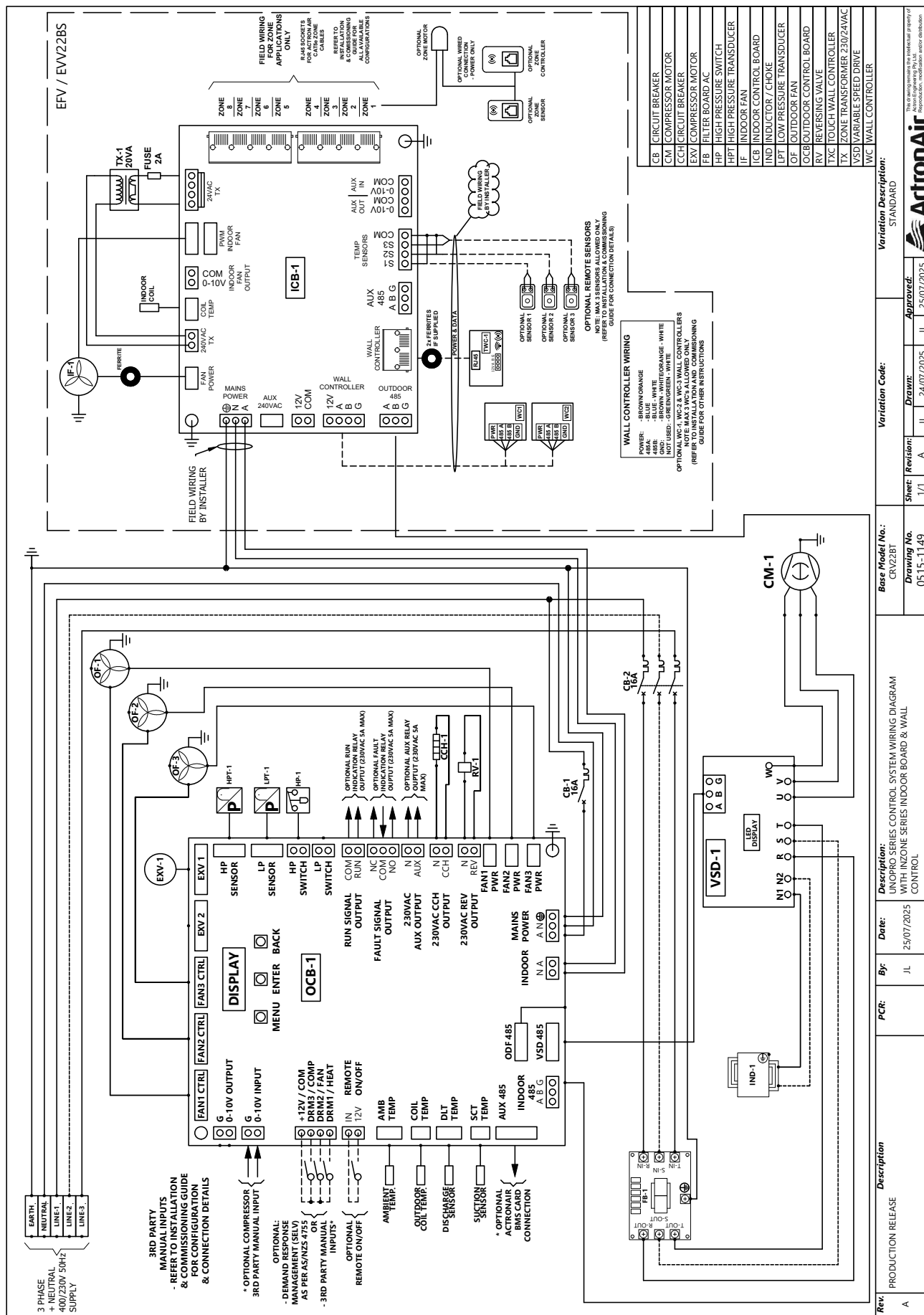












OUTDOOR UNIT VARIATION - DIMENSION

OUTDOOR UNIT - HORIZONTAL DISCHARGE FANS

NOTES:

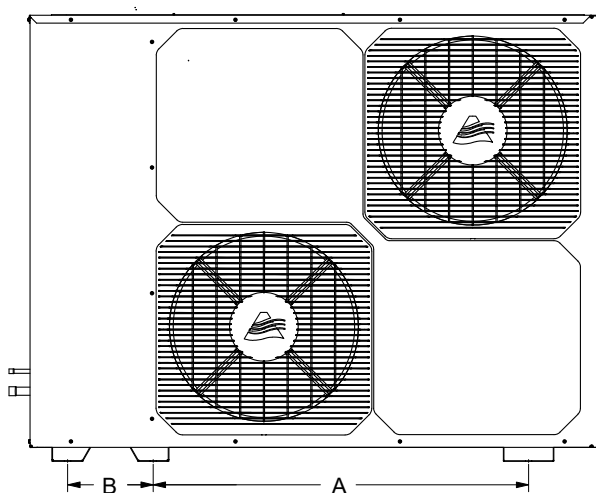
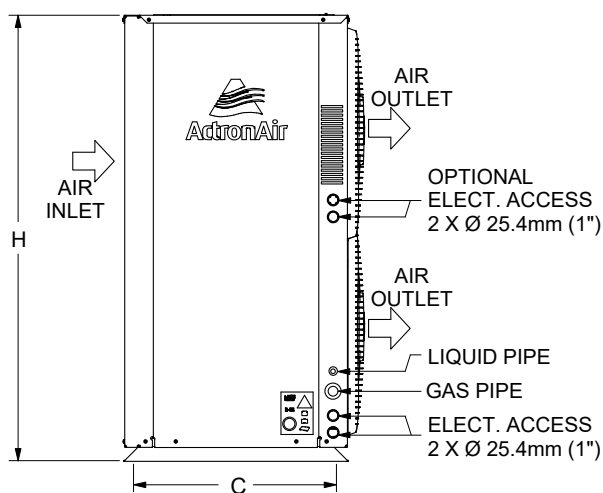
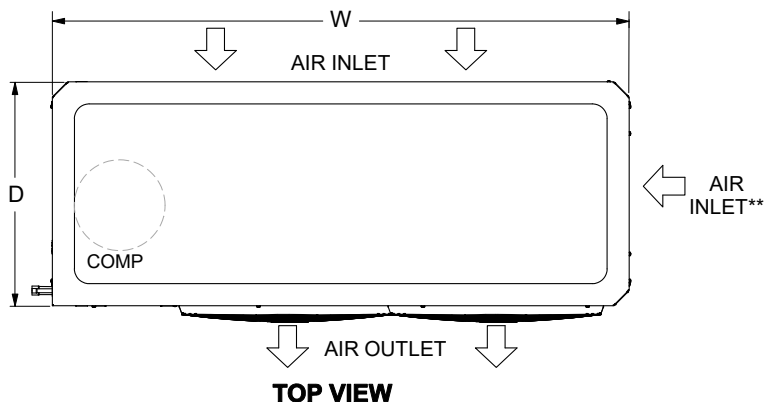
Condensation points are designed to ensure all condensation is removed efficiently to avoid water pooling with the condenser. If a single condensation drain point is required, Actronair recommends the installation of a condenser tray. These are available as an additional accessory and are purchased separately.

Drawing is subject to change without notice.

CRV17BS-H / CRV17BT-H models shown for illustration purposes only.

**Air Inlet is only for CRV17BS -H/CRV17BT-H,CRV19BT-H, CRV22BT-H and CRV25BT-H models which have coil curve .

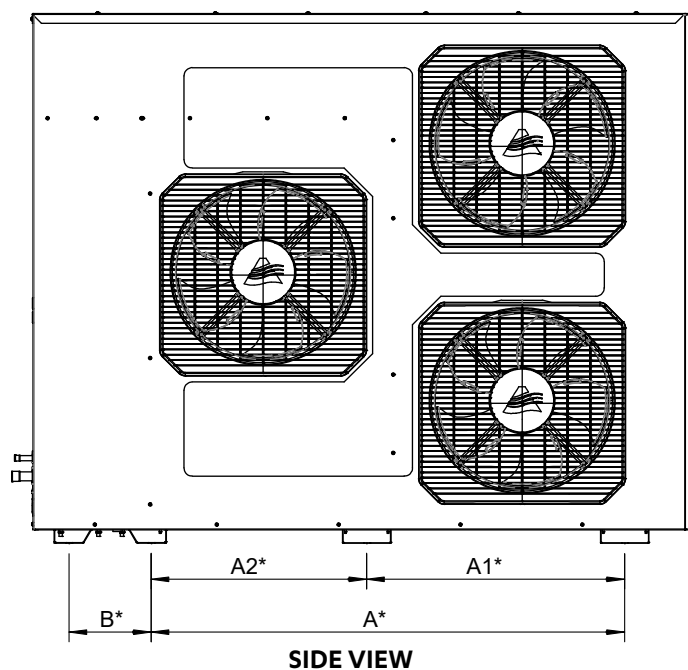
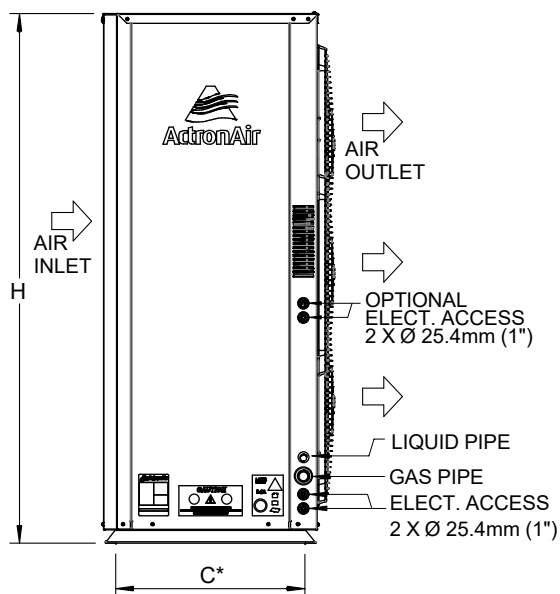
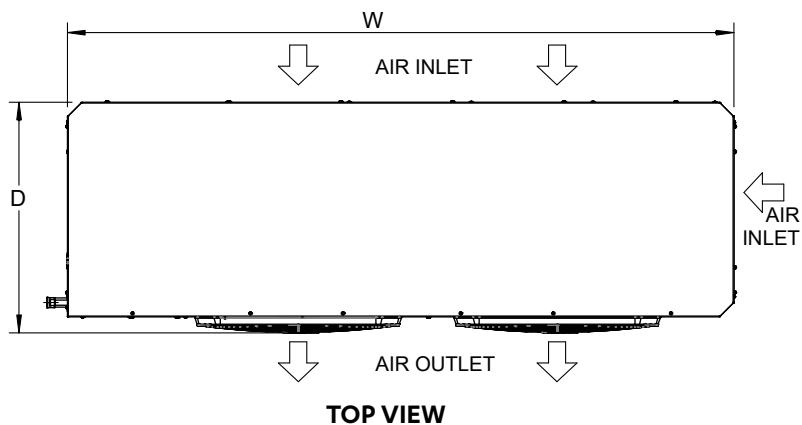
CRV17BS -H / CRV17BT-H / CRV19BT-H



Unit Model Number	Overall Nominal Dimension (OA)			Mounting Distance Base Foot (Centre to Centre)			Gas Pipe Swaged	Liquid Pipe Swaged
	H	W	D	A	B	C		
CRV13BS-H / CRV13BT -H	1055	1365	570	887	202	480	Ø 19.05mm (3/4")	Ø 9.52 mm (3/8")
CRV15BS-H / CRV15BT-H								
CRV17BS-H / CRV17BT-H								
CRV19BT-H								

OUTDOOR VARIATION - DIMENSION

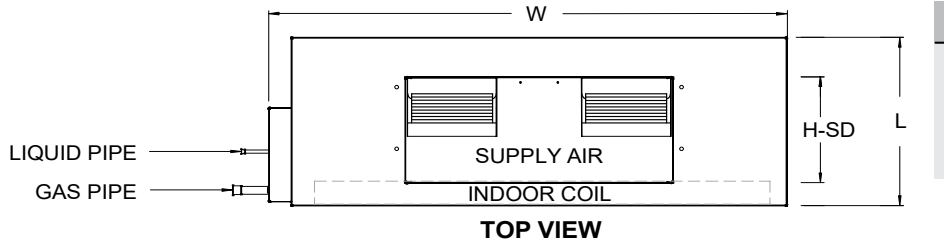
CRV22BT -H / CRV25BT-H



Unit Model Number	Overall Nominal Dimension (OA)			Mounting Distance Base Foot (Centre to Centre)					Gas Pipe	Liquid Pipe
	H	W	D	A	A1	A2	B	C		
CRV22BT-H	1304	1641	568	1166	635	531	202	466	Ø 22.22mm (7/8")	Ø 12.7 mm (1/2")
CRV25BT-H										

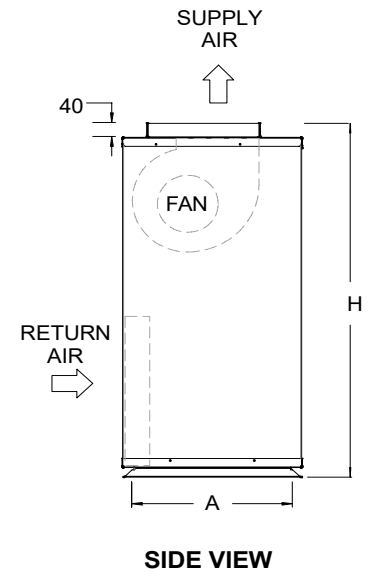
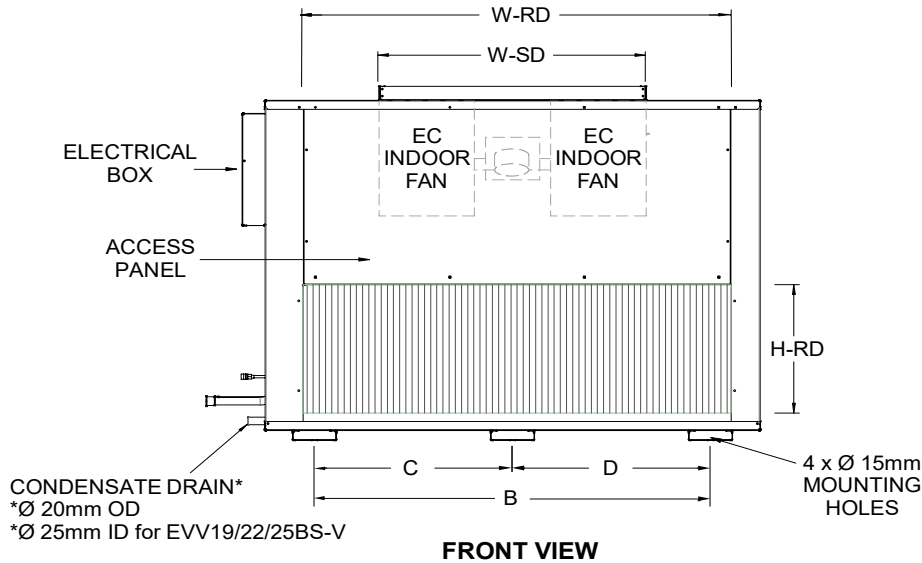
INDOOR UNIT VARIATION - DIMENSION

INDOOR UNIT - UPRIGHT FAN COIL WITH VERTICAL DISCHARGE



NOTES:

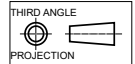
Drawing is subject to change without notice. Image shown is for illustration purpose only. Actual unit may vary depending on unit model.



Unit Model Number	Overall Nominal Dimension (OA)			Mounting Distance Base Foot (Centre to Centre)				Supply Duct	Return Duct	Gas Pipe (Swaged)	Liquid Pipe (Swaged)
	H	W	L	A	B	C	D	H-SD x W-SD	H-RD x W-RD		
EVV13BS-V	875	1075	405	350	790	-	-	300 x 715	365 x 895	Ø 19.05mm (3/4")	Ø 9.52mm (3/8")
EVV15BS-V		1275			990	-	-		365 x 1095		
EVV17BS-V	1015	1390	480	430	-	530	530		380 x 715		
EVV19BS-V	1066	1434	483	430	1056	528	528	380 x 715	410 x 1190		
EVV22BS-V	1066	1434	483	430	1156	578	578	380 x 715	410 x 1290		
EVV25BS-V		1534									

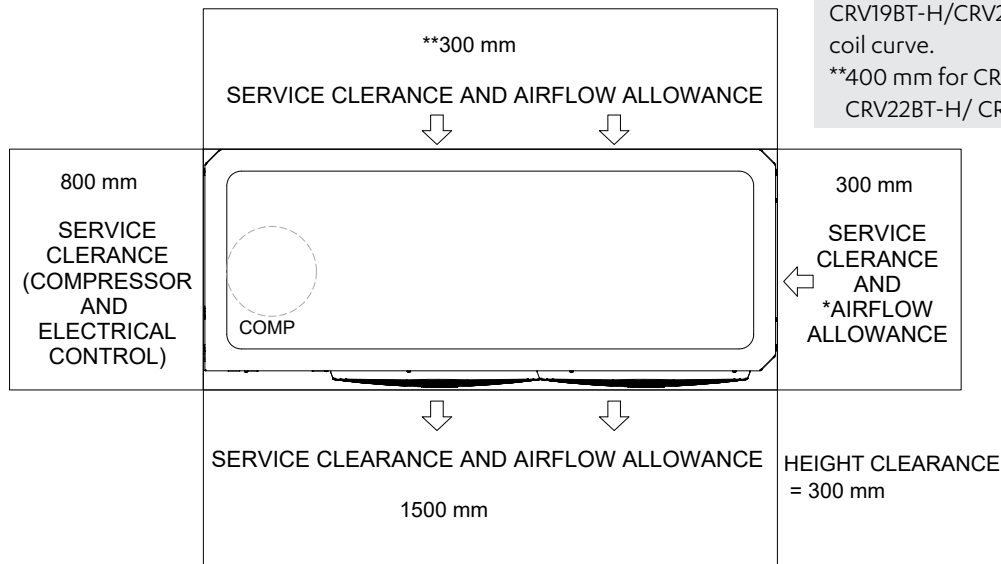
NOTES:

- Do not scale drawing. All dimensions are in mm unless specified. Refer to corresponding unit dimensional drawing for mounting hole details.
- 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.
- For installation with release height less than or equal to 0.6m, minimum area will be computed based on release height of 0.6m
- Where A_{min} (the minimum area required) is not satisfied, the installer must provide additional control measure/s in place as per AS/NZS 60335.2.40 standard for the installation to be acceptable.
The examples of controls measures are (but are not limited to): Ventilation, Shut Off Valves and Safety Alarm. These control measures are not provided by ActronAir and must be determined by the installer based on individual installation requirements.
- Refer to R-32 Safety Manual for minimum required area and R-32 refrigerant of the installation.



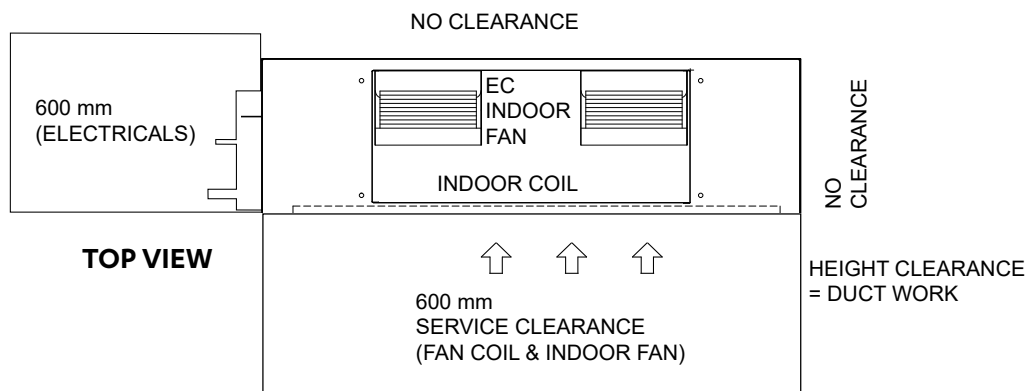
SERVICE CLEARANCES, AIRFLOW ALLOWANCES AND WEIGHTS

OUTDOOR HORIZONTAL VARIATION



Unit Model Number	Total Weight (Kg)
CRV13BS-H	148
CRV15BS-H	
CRV17BS-H	155
CRV13BT-H	148
CRV15BT-H	
CRV17BT-H	155
CRV19BT-H	142
CRV22BT-H	178
CRV25BT-H	183

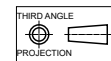
INDOOR VERTICAL VARIATION



Unit Model Number	Total Weight (Kg)
EVV13BS-V	44
EVV15BS-V	53
EVV17BS-V	61
EVV19BS-V	72
EVV22BS-V	76
EVV25BS-V	79

NOTES:

- Do not scale drawing. All dimensions are in **mm** unless otherwise specified. Refer to corresponding unit dimensional drawing for mounting hole details.
- 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.
- Refer Pipe Connection Details on Specifications Sheet.
- Use M12 bolt for feet mounting.
- For installation with release height less than or equal to 0.6m, minimum area will be computed based on release height of 0.6m.
- Where A min (the minimum area required) is not satisfied, the installer must provide additional control measure/s in place as per AS/ NZS 60335.2.40 standard for the installation to be acceptable.
The examples of controls measures are (but are not limited to): Ventilation, Shut Off Valves and Safety Alarm.
These control measures are not provided by ActronAir and must be determined by the installer based on individual installation requirements.
- Refer to R-32 Safety Manual for minimum required area and R-32 refrigerant of the installation.



TWO-PIECE FAN COIL

Coil Section - EAA13BS / EAA15BS / EAA17BS / EAA19BS



TOP VIEW



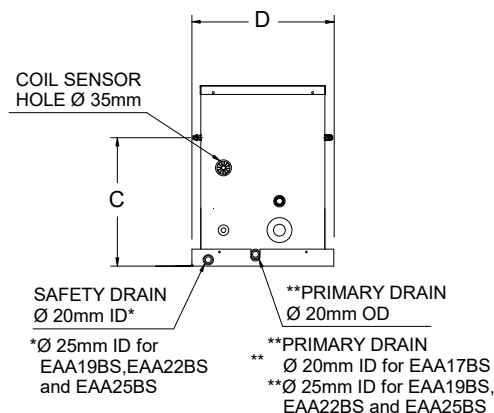
FRONT VIEW - SUPPLY AIR



REAR VIEW - RETURN AIR

NOTES:

Drawing is subject to change without notice. Image shown is for illustration purpose only. Actual unit may vary depending on unit model.

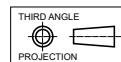


SIDE VIEW

Unit Model Number	Overall Nominal Dimension (OA)			Mounting Distance (Centre to Centre /Base Foot)			Supply Duct	Return Duct	Gas Pipe (Swaged)	Liquid Pipe (Swaged)
	H	W	D	A	B	C	H-SD x W-SD	H-RD x W-RD		
EAA13BS	410	1054	342	310	990	284	345 x 900	345 x 900	Ø 19.05mm (3/4")	Ø 9.52mm (3/8")
EAA15BS		1252			1190	283				
EAA17BS	435	1360	343	310	1294	310	362 x 1094	362 x 1094	Ø 22.22mm (7/8")	Ø 12.7mm (1/2")
EAA19BS	487	1410			1345	361	411 x 1094	411 x 1094		
EAA22BS		1510	343	310	1445	361	411 x 1194	411 x 1194		
EAA25BS										

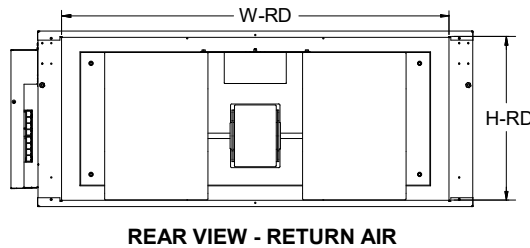
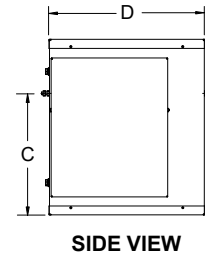
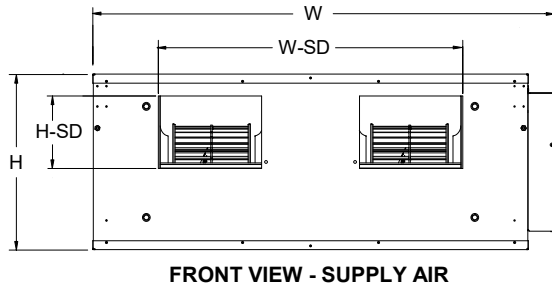
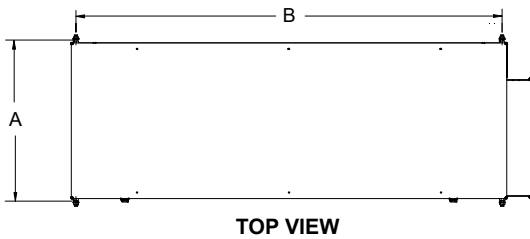
NOTES:

- Do not scale drawing. All dimensions are in mm unless specified. Refer to corresponding unit dimensional drawing for mounting hole details.
- 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.
- 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.
 - Left Service Clearance can be 100mm minimum if Right Service Clearance is applicable.
 - Right Service Clearance can be 600mm minimum if Left Service Clearance is applicable.
 - Height Service Clearance can be 100mm minimum if Right Service Clearance is applicable.
- Installation of this unit should be in accordance with AS/NZS 60335.2.40.
- During installation ensure that the Minimum Floor Area of the smallest room is satisfied based on the Release height, or the maximum R-32 Charge amount is not exceeded.
- Where a minimum area is not satisfied, the installer must provide additional control measure/s such as but not limited to ventilation, shut-off valves, and safety alarm in place as per AS/NZS 60335.2.40 standard for the installation to be acceptable. These control measures are not provided by ActronAir and must be determined by the installer based on individual installation requirements.
- Refer to R-32 Safety Manual for further safety guides.



TWO-PIECE FAN COIL

Fan Section - EFV13BS / EFV15BS / EFV17BS / EFV19BS / EFV22BS / EFV25BS

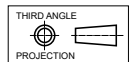
**NOTES:**

Drawing is subject to change without notice.
Image shown is for illustration purpose only.
Actual unit may vary depending on unit model.

Unit Model Number	Overall Nominal Dimension (OA)			Mounting Distance Base Foot (Centre to Centre)			Supply Duct	Return Duct
	H	W	D	A	B	C	H-SD x W-SD	H-RD x W-RD
EFV13BS / EFV15BS / EFV17BS	408	1072	362	370	990	282	186 x 708	378 x 900
EFV19BS	483	1269	412	422	1185	358	305 x 734	453 x 1195
EFV22BS								
EFV25BS		1369			1285			

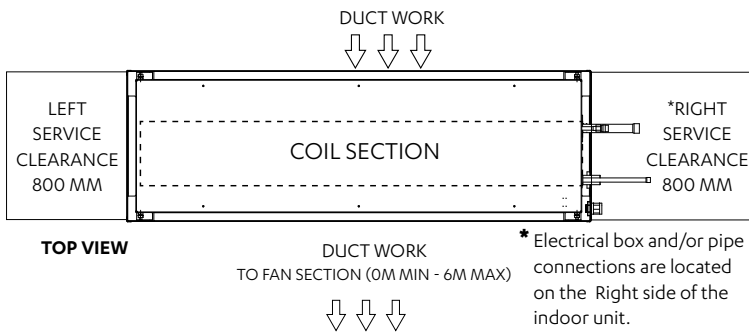
NOTES:

- Do not scale drawing. All dimensions are in mm unless specified. Refer to corresponding unit dimensional drawing for mounting hole details.
- 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.
- 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.
 - Left Service Clearance can be 100mm minimum if Right Service Clearance is applicable.
 - Right Service Clearance can be 600mm minimum if Left Service Clearance is applicable.
 - Height Service Clearance can be 100mm minimum if Right Service Clearance is applicable.
- Installation of this unit should be in accordance with AS/NZS 60335.2.40.
- During installation ensure that the Minimum Floor Area of the smallest room is satisfied based on the Release height, or the maximum R-32 Charge amount is not exceeded.
- Where a minimum area is not satisfied, the installer must provide additional control measure/s such as but not limited to ventilation, shut-off valves, and safety alarm in place as per AS/NZS 60335.2.40 standard for the installation to be acceptable. These control measures are not provided by ActronAir and must be determined by the installer based on individual installation requirements.
- Refer to R-32 Safety Manual for further safety guides.

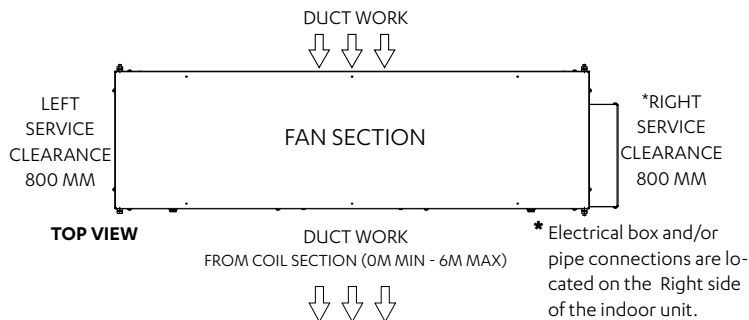


SERVICE CLEARANCES, AIRFLOW ALLOWANCES AND WEIGHTS

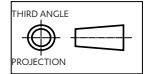
EAA MODELS



EFV MODELS



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 walkaway 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.
 - Left Service Clearance can be 100mm minimum if Right Service Clearance is applicable.
 - Right Service Clearance can be 600mm minimum if Left Service Clearance is applicable.
 - Height Service Clearance can be 100mm minimum if Right Service Clearance is applicable.
4. For installation with release height less than or equal to 0.6m, minimum area will be computed based on release height of 0.6m.
5. Where A min (the minimum area required) is not satisfied, the installer must provide additional control measure/s in place as per AS/NZS 60335.2.40 standard for the installation to be acceptable. The examples of controls measures are (but are not limited to): Ventilation, Shut Off Valves and Safety Alarm. These control measures are not provided by ActronAir and must be determined by the installer based on individual installation requirements.
6. Refer to R-32 Safety Manual for minimum required area of installation.

Model Number	Weight (kg)	Height Clearance
EAA13BS	28.5	340
EAA15BS	37.5	
EAA17BS	45.5	410
EAA19BS	42.5	
EAA22BS	42.5	
EAA25BS	42.5	
EFV13BS	35.0	340
EFV15BS	44.0	
EFV17BS	50.5	
EFV19BS	42.0	410
EFV22BS	42.0	
EFV25BS	43.1	

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