

**CVPVA, CSPVA
Evaporator Coil with Vertex™ Technology
Upflow/Downflow
AC Only**



Turn to the experts

Product Data

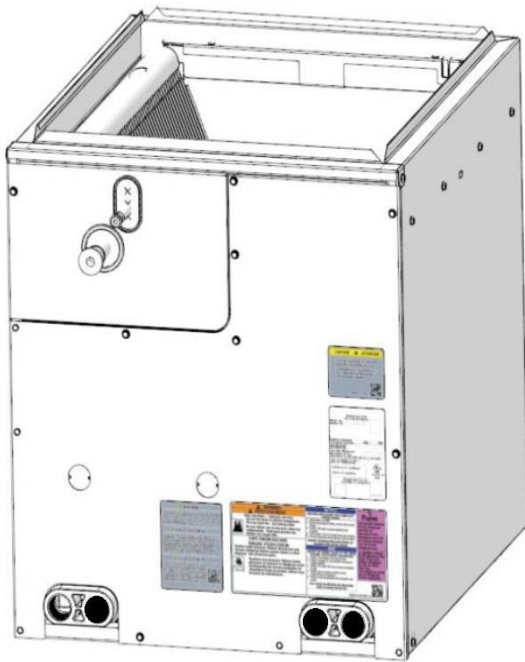


Fig. 1 – Typical Coil

A210758

This evaporator coil incorporates proven standards for reliable system operation and performance throughout the life of this product. These quality coils, manufactured and installed as part of a total comfort system, provide AHRI-rated performance ratings and are additionally listed with UL and c-UL.

Available for use in Puron® R-410A refrigerant only, it is a cased V-coil or slope coil that is housed in a durable, 24-gauge, pre-painted taupe metallic cabinet. The fully insulated cabinet (foil faced with R-2.1 insulation) provides for quiet efficient operation of the evaporator coil.

DESIGN FEATURES

Performance — Designed with performance in mind, this new evaporator coil offers lower pressure drops to enhance system performance and airflow characteristics.

Thermostatic Expansion Valves (TXV) — All coils have refrigerant-specific, factory-installed TXVs. All models are factory pre-set to approximately 10° of superheat at the suction service valve.

Durable Condensate Pan — The corrosion-resistant drain pan is designed of a “Polybutylene terephthalate” material (PBT) that offers unsurpassed pan strength. It is engineered with proper slope to help ensure water drainage, improved moisture removal, and home comfort.

Condensate Drain Pan Plugs — The drain pan is supplied with three water-tight drain plugs to prevent leakage from unused drain connections.

Refrigerant Connections — Provided with industry proven sweat connections for leak-free operation to maintain system reliability. The location of the lineset connections allows for removal of the access door for easy cleaning/servicing of the coils, as well as easy access to the TXV. All models come from the factory with enough length of straight tube—once tubing is cut—to accommodate braze-less compression fittings.

Burst Pressure — Meets or exceeds burst pressure of 1900 psi, which is at least three times the maximum operating pressure it would see in actual cooling-only application.

UV Knockout — This cased coil comes with factory-installed UV knockouts for quick and easy installation of UV light.

Serviceability — Comes with a “no delta plate” for easy, quick access to both sides of the coil for service and cleaning. Also, after the door is removed and refrigerant lines disconnected, the coil is removable from the front of the unit without the use of any tools.

MODEL NUMBER NOMENCLATURE

1	2	3	4	5	6	7	8	9	10	11	12
C	V	P	V	A	3	6	1	7	X	M	C

Product

C = Coil

Type

V = V-Coil
S = Slope Coil

Refrigerant Type

P = Puron® Refrigerant (R-410A) TXV

Coil Configuration

V = Upflow/Downflow
M = Multi-poise

Cabinet Finish

A = Major Series

Variations

C = Cooling only

Tubing Design

M= Microchannel

Metering Device

X = TXV

Cabinet Width (Nom.)

14 = 14-in (356 mm)
17 = 17-in (432 mm)
21 = 21-in (533 mm)
24 = 24-in (610 mm)

Unit Capacity (Nom.)

18 - 23 = 1½ Ton
24 - 29 = 2 Ton
30 - 35 = 2½ Ton
36 - 41 = 3 Ton
42 - 47 = 3½ Ton
48 - 51 = 4 Ton
60 - 62 = 5 Ton



Use of the AHRI Certified™ Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



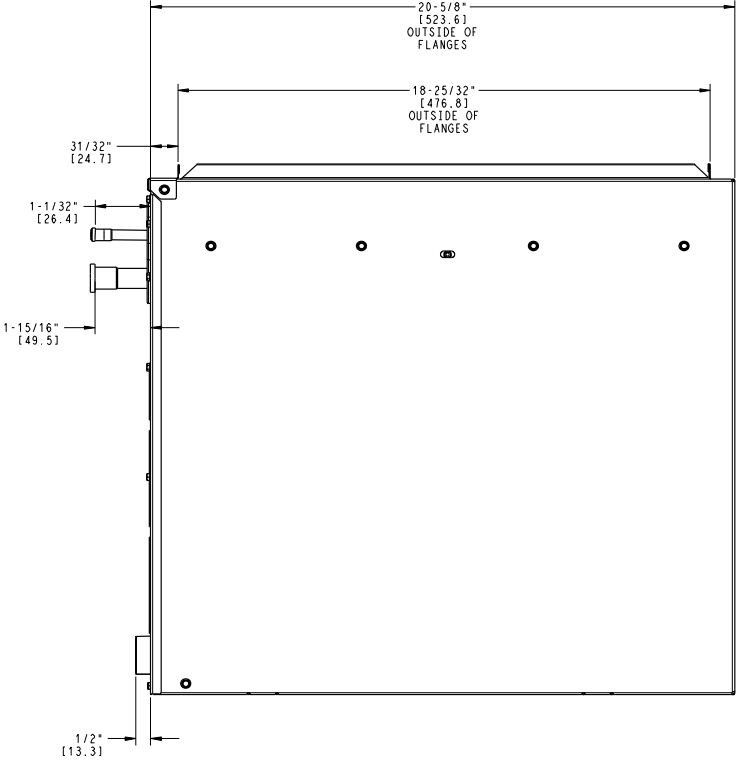
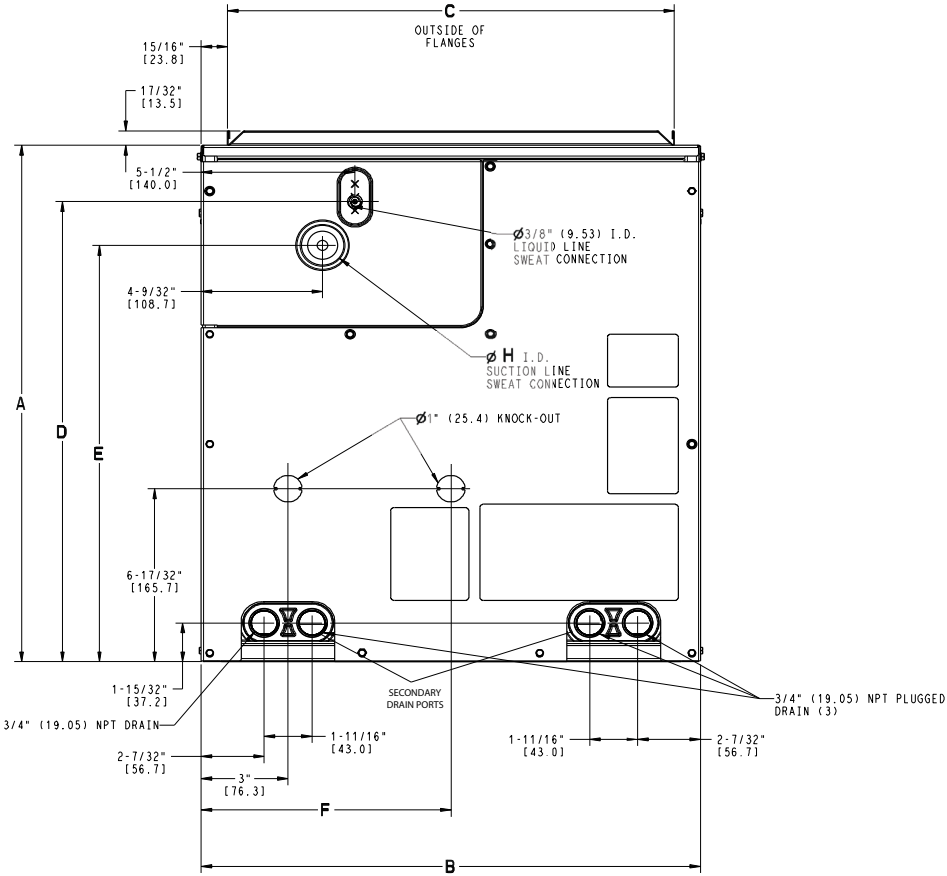
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Table 1 – Accessories

Part Number	Description
KGADA0101ALL	Coil Adapter Kits - No Offset
KGADA0201ALL	Coil Adapter Kits - Single Offset
KGADA0301ALL	Coil Adapter Kits - Double Offset

DIMENSIONS

UNIT	SERIES	A		B (Cabinet Width)		C		D		E		F		H (Suction Line)		SHIPPING WEIGHT	
		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	Lbs	Kgs
CVPVA1917XMC	A	19 7/16	494.5	17 1/2	444.5	15 3/4	400.3	17 5/16	440.4	15 11/16	398.7	8 3/4	222.3	3/4	19.1	37.0	16.8
CVPVA2517XMC	A	19 7/16	494.5	17 1/2	444.5	15 3/4	400.3	17 5/16	440.4	15 11/16	398.7	8 3/4	222.3	3/4	19.1	37.0	16.8
CVPVA3017XMC	A	19 7/16	494.5	17 1/2	444.5	15 3/4	400.3	17 5/16	440.4	15 11/16	398.7	8 3/4	222.3	3/4	19.1	37.0	16.8
CVPVA3617XMC	A	19 7/16	494.5	17 1/2	444.5	15 3/4	400.3	17 5/16	440.4	15 11/16	398.7	8 3/4	222.3	3/4	19.1	37.0	16.8



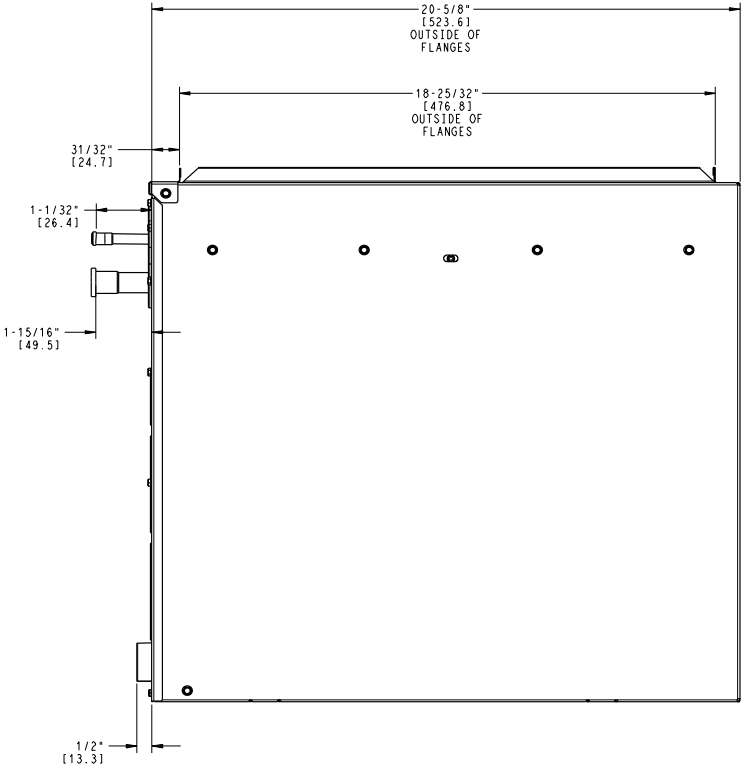
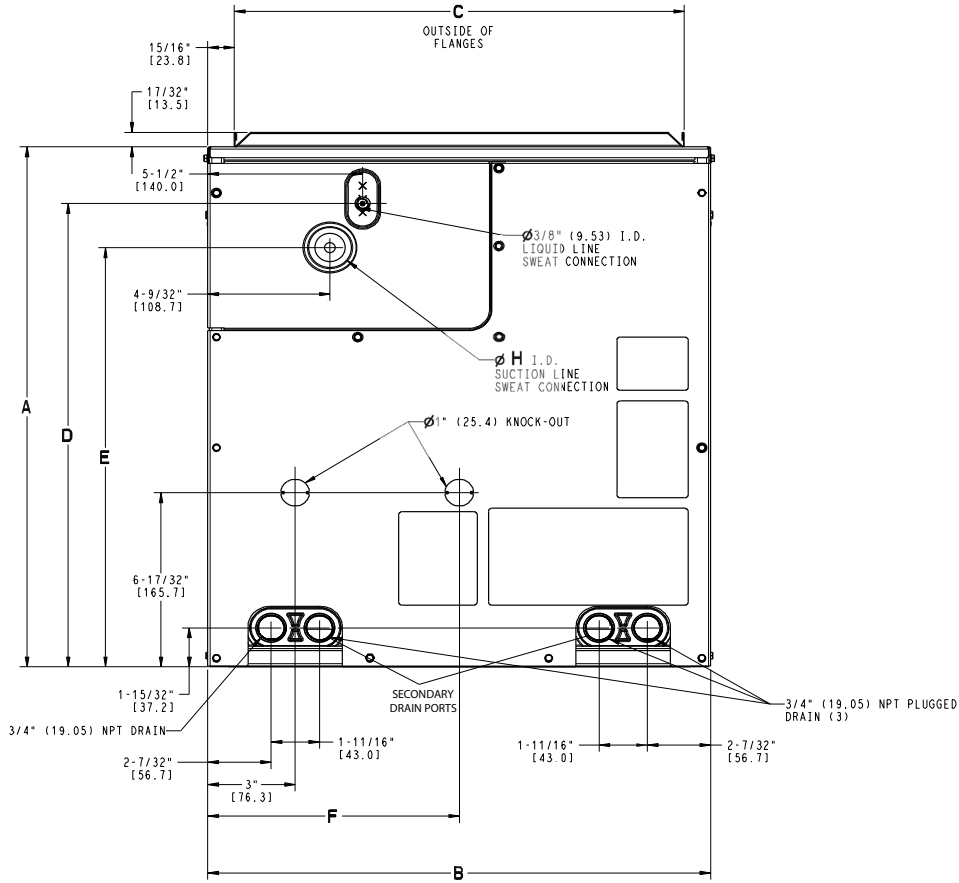
U.S. EXPORT CLASSIFICATION: EAR99

Fig. 2 – CVPVA (17" cabinet width)

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DIMENSIONS (cont)

UNIT	SERIES	A		B (Cabinet Width)		C		D		E		F		H (Suction Line)		SHIPPING WEIGHT	
		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	Lbs	Kgs
CVPVA3721XMC	A	21 15/16	557.9	21	533.4	19 1/4	489.2	20 1/16	510.0	18 5/16	465.0	10 1/2	266.7	3/4	19.1	42.0	19.1
CVPVA4821XMC	A	21 15/16	557.9	21	533.4	19 1/4	489.2	20 1/16	510.0	18 5/16	465.0	10 1/2	266.7	7/8	22.2	42.0	19.1
CVPVA4924XMC	A	26 5/16	669.0	24 1/2	622.3	22 3/4	578.1	24 5/16	616.9	22 9/16	573.2	12 1/4	311.2	7/8	22.2	51.0	23.1
CVPVA6124XMC	A	35	889.6	24 1/2	622.3	22 3/4	578.1	33 7/16	850.0	31 1/4	793.8	12 1/4	311.2	7/8	22.2	64.0	29.0



U.S. EXPORT CLASSIFICATION: EAR99

Fig. 3 – CVPVA (21" and 24" cabinet widths)

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DIMENSIONS (cont)

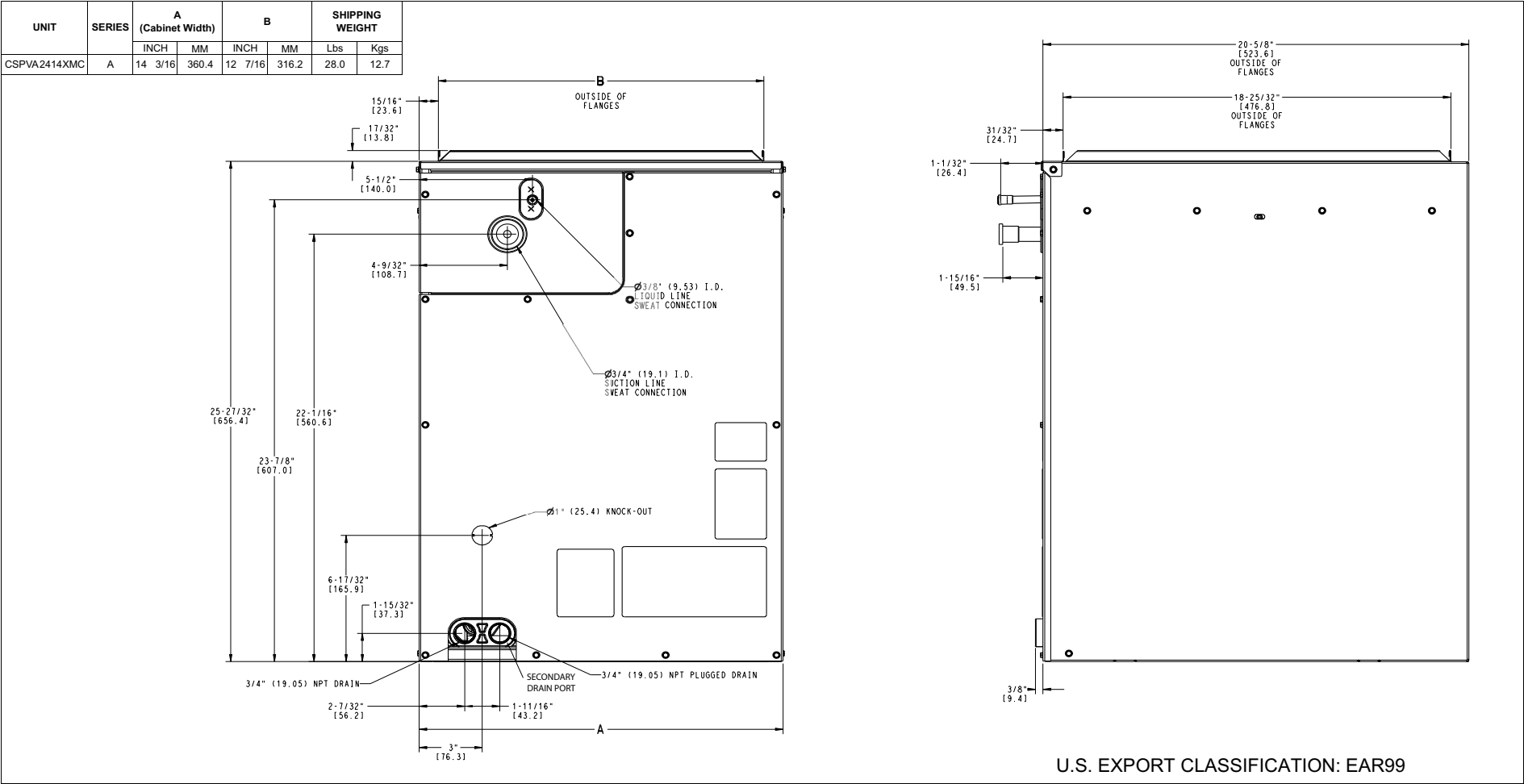


Fig. 4 – CSPVA

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INDOOR PERFORMANCE DATA - COIL STATIC PRESSURE DROP (in. w.c.) BY SCFM – wet coil

Unit Size	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500		
CSPVA2414XMC				.15	.17	.19	.21	.24	.26	.29	.32	.36																																
CVPVA1917XMC	.08	.07	.08	.09	.10	.11	.13																																					
CVPVA2517XMC				.09	.10	.11	.13	.14	.16	.17	.19	.21																																
CVPVA3017XMC							.13	.14	.16	.17	.19	.21	.23	.25	.27	.29	.32																											
CVPVA3617XMC										.17	.19	.21	.23	.25	.27	.29	.32	.34	.36	.39	.42	.44																						
CVPVA3721XMC										.12	.13	.14	.16	.17	.18	.19	.21	.23	.24	.26	.28	.30																						
CVPVA4821XMC																.20	.21	.23	.24	.26	.28	.30	.32	.34	.36	.38	.40	.42	.45	.47	.50	.52												
CVPVA4924XMC																.13	.14	.15	.15	.16	.17	.19	.20	.21	.22	.23	.24	.26	.27	.28	.30	.31												
CVPVA6124XMC																						.13	.14	.15	.16	.17	.18	.19	.20	.21	.22	.23	.24	.25	.26	.28	.29	.30	.31	.33	.34	.36		

Table 2 – COOLING CAPACITIES (MBH) - PURON® REFRIGERANT (R-410A)

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR °F (°C)														
		35 (2)			40 (4)			45 (7)			50 (10)			55 (13)		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
CSPVA2414XMC																
600	72	41.55	20.22	0.00	37.68	18.18	0.00	32.96	15.98	0.00	27.71	13.70	0.33	21.81	11.38	0.23
	67	34.17	20.84	0.00	29.82	18.63	0.23	25.21	16.43	0.21	20.01	14.05	0.20	14.42	11.57	0.22
	62	27.04	21.22	0.19	22.95	18.98	0.19	18.35	16.62	0.20	14.48	14.48	0.20	11.93	11.93	0.33
800	72	50.53	24.52	0.00	46.13	22.14	0.00	40.42	19.52	0.00	34.02	16.79	0.38	27.15	14.10	0.29
	67	41.80	25.47	0.00	36.59	22.89	0.28	30.98	20.23	0.26	24.68	17.41	0.25	17.89	14.48	0.25
	62	33.24	26.20	0.24	28.39	23.56	0.24	22.61	20.68	0.24	18.26	18.26	0.24	15.20	15.20	0.36
1000	72	58.63	28.23	0.00	53.34	25.48	0.00	46.79	22.55	0.00	39.47	19.48	0.41	31.26	16.33	0.32
	67	48.37	29.49	0.00	42.39	26.56	0.32	35.94	23.54	0.30	28.67	20.33	0.29	20.64	16.87	0.30
	62	38.46	30.45	0.28	32.71	27.42	0.28	26.16	24.17	0.28	21.61	21.61	0.27	18.12	18.12	0.39
INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR °F (°C)														
		35 (2)			40 (4)			45 (7)			50 (10)			55 (13)		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
CVPVA1917XMC																
450	72	32.59	15.82	0.00	29.50	14.19	0.00	25.82	12.45	0.00	21.68	10.63	0.23	16.99	8.78	0.15
	67	26.71	16.17	0.25	23.34	14.42	0.15	19.69	12.67	0.13	15.61	10.77	0.13	11.29	8.86	0.15
	62	21.06	16.30	0.11	17.94	14.59	0.12	14.38	12.76	0.12	10.89	10.89	0.14	8.95	8.95	0.29
600	72	40.25	19.82	0.00	37.00	17.71	0.00	32.43	15.59	0.00	27.33	13.39	0.28	21.55	11.12	0.19
	67	33.55	20.27	0.00	29.37	18.14	0.19	24.79	15.97	0.17	19.74	13.68	0.16	14.37	11.35	0.17
	62	26.62	20.64	0.15	22.62	18.47	0.15	18.12	16.18	0.16	14.11	14.11	0.16	11.57	11.57	0.31
750	72	47.38	23.00	0.00	43.59	20.80	0.00	38.28	18.35	0.00	32.31	15.81	0.32	25.56	13.19	0.23
	67	39.53	23.87	0.00	34.66	21.43	0.23	29.33	18.94	0.20	23.46	16.31	0.20	17.02	13.53	0.21
	62	31.44	24.46	0.19	26.90	22.02	0.19	21.49	19.33	0.19	17.09	17.09	0.19	14.19	14.19	0.32
INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR °F (°C)														
		35 (2)			40 (4)			45 (7)			50 (10)			55 (13)		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
CVPVA2517XMC																
600	72	43.03	21.17	0.00	39.08	19.05	0.00	34.28	16.78	0.00	28.98	14.46	0.29	22.85	12.01	0.19
	67	35.42	21.80	0.00	31.04	19.54	0.19	26.25	17.24	0.17	20.92	14.78	0.16	15.23	12.27	0.17
	62	28.13	22.24	0.15	24.02	19.96	0.15	19.20	17.50	0.16	14.95	14.95	0.16	12.33	12.33	0.30
800	72	52.35	25.80	0.00	48.17	23.37	0.00	42.32	20.64	0.00	35.83	17.86	0.34	28.64	14.99	0.25
	67	43.71	26.90	0.00	38.29	24.13	0.25	32.51	21.41	0.21	26.01	18.47	0.21	18.96	15.42	0.21
	62	34.76	27.61	0.20	29.75	24.88	0.20	23.81	21.90	0.20	19.07	19.07	0.20	15.95	15.95	0.32
1000	72	61.15	29.78	0.00	56.04	27.07	0.00	49.30	24.00	0.00	41.74	20.79	0.37	33.45	17.54	0.28
	67	50.78	31.28	0.00	44.54	28.13	0.29	37.89	25.04	0.26	30.37	21.69	0.24	22.18	18.20	0.24
	62	40.48	32.32	0.24	34.67	29.19	0.24	27.75	25.78	0.23	22.73	22.73	0.23	19.13	19.13	0.35
INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR °F (°C)														
		35 (2)			40 (4)			45 (7)			50 (10)			55 (13)		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
CVPVA3017XMC																
750	72	50.60	25.11	0.00	46.05	22.68	0.00	40.42	20.03	0.00	34.10	17.24	0.32	26.98	14.40	0.23
	67	41.74	26.06	0.00	36.59	23.39	0.23	30.96	20.67	0.20	24.77	17.81	0.20	18.03	14.82	0.20
	62	33.20	26.71	0.19	28.41	24.05	0.19	22.69	21.10	0.19	18.03	18.03	0.19	15.00	14.99	0.32
1000	72	60.97	30.18	0.00	56.00	27.45	0.00	49.26	24.34	0.00	41.67	21.07	0.36	33.03	17.67	0.28
	67	50.78	31.71	0.00	44.59	28.58	0.28	37.89	25.40	0.25	30.33	21.97	0.24	22.17	18.43	0.25
	62	40.46	32.75	0.24	34.70	29.59	0.24	27.79	26.15	0.23	22.66	22.66	0.23	19.01	19.01	0.35
1250	72	70.49	34.54	0.00	64.42	31.43	0.00	56.71	27.98	0.00	48.08	24.33	0.39	38.20	20.48	0.32
	67	58.33	36.50	0.39	51.33	33.01	0.32	43.74	29.45	0.30	35.07	25.58	0.29	25.50	21.44	0.29
	62	46.66	38.02	0.28	40.05	34.46	0.28	32.08	30.53	0.27	26.71	26.71	0.28	22.50	22.50	0.39

Table 2 – COOLING CAPACITIES (MBH) - PURON® REFRIGERANT (R-410A) (Continued)

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR °F (°C)														
		35 (2)			40 (4)			45 (7)			50 (10)			55 (13)		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
CVPVA3617XMC																
900	72	59.68	29.49	0.00	54.38	26.72	0.00	47.73	23.63	0.00	40.26	20.38	0.34	32.18	17.14	0.26
	67	49.28	30.78	0.39	43.19	27.68	0.26	36.63	24.52	0.24	29.31	21.17	0.23	21.36	17.67	0.23
	62	39.25	31.70	0.22	33.63	28.61	0.22	26.90	25.19	0.22	21.67	21.67	0.22	18.15	18.15	0.34
1200	72	71.25	35.04	0.00	65.37	31.96	0.00	57.56	28.42	0.00	48.63	24.62	0.38	38.59	20.71	0.31
	67	59.21	37.05	0.39	52.12	33.53	0.31	44.35	29.84	0.29	35.47	25.85	0.28	25.83	21.67	0.28
	62	47.28	38.50	0.27	40.39	34.84	0.27	32.54	30.89	0.27	26.95	26.95	0.27	22.68	22.68	0.38
1500	72	81.69	39.89	0.00	74.72	36.39	0.00	65.87	32.50	0.00	55.81	28.31	0.41	44.23	23.86	0.35
	67	67.66	42.48	0.40	59.66	38.55	0.35	50.91	34.47	0.33	40.72	29.95	0.32	29.75	25.28	0.32
	62	54.20	44.52	0.31	46.66	40.49	0.31	37.33	35.93	0.31	31.51	31.51	0.31	26.63	26.63	0.42
INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR °F (°C)														
		35 (2)			40 (4)			45 (7)			50 (10)			55 (13)		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
CVPVA3721XMC																
900	72	61.30	29.57	0.00	55.59	26.76	0.00	48.91	23.69	0.00	41.43	20.52	0.32	33.20	17.27	0.24
	67	50.35	30.80	0.34	44.18	27.68	0.23	37.58	24.62	0.20	30.15	21.30	0.20	22.06	17.84	0.20
	62	40.11	31.70	0.19	34.22	28.55	0.19	27.61	25.27	0.19	22.17	22.17	0.19	18.56	18.56	0.32
1200	72	72.82	35.08	0.00	67.01	32.10	0.00	59.18	28.62	0.00	50.23	24.89	0.36	40.39	21.09	0.28
	67	60.70	37.23	0.34	53.50	33.67	0.28	45.59	30.04	0.26	36.67	26.14	0.24	26.92	22.05	0.24
	62	48.51	38.69	0.24	41.74	35.13	0.24	33.57	31.17	0.23	27.72	27.72	0.24	23.41	23.41	0.35
1500	72	82.41	39.52	0.00	76.42	36.50	0.00	67.68	32.72	0.00	57.60	28.60	0.39	45.96	24.23	0.32
	67	69.19	42.58	0.36	61.18	38.79	0.31	52.36	34.74	0.30	42.12	30.33	0.29	30.92	25.68	0.28
	62	55.45	44.65	0.28	47.59	40.69	0.27	38.55	36.32	0.27	32.50	32.50	0.28	27.62	27.62	0.39
INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR °F (°C)														
		35 (2)			40 (4)			45 (7)			50 (10)			55 (13)		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
CVPVA4821XMC																
1200	72	77.25	37.43	0.00	70.22	34.00	0.00	62.00	30.34	0.00	52.73	26.42	0.36	42.02	22.29	0.28
	67	63.51	39.40	0.35	56.08	35.70	0.28	47.82	31.87	0.26	38.46	27.74	0.24	28.30	23.47	0.24
	62	50.79	40.97	0.24	43.73	37.23	0.24	35.19	33.08	0.23	29.07	29.07	0.23	24.54	24.54	0.35
1600	72	90.71	43.75	0.00	83.05	40.08	0.00	73.51	35.94	0.00	62.77	31.55	0.40	50.67	26.89	0.34
	67	75.18	46.84	0.38	66.48	42.59	0.34	56.96	38.32	0.31	45.96	33.60	0.29	33.70	28.44	0.29
	62	60.32	49.31	0.29	52.07	45.00	0.29	41.97	40.22	0.28	35.64	35.64	0.29	30.28	30.28	0.40
2000	72	100.70	48.58	0.00	93.65	45.16	0.00	83.14	40.73	0.00	71.15	35.92	0.42	57.61	30.80	0.37
	67	84.78	53.19	0.40	75.23	48.64	0.37	64.60	43.92	0.35	52.10	38.63	0.33	38.18	32.83	0.33
	62	68.10	56.45	0.33	58.64	51.80	0.32	47.53	46.47	0.32	41.86	41.86	0.33	35.34	35.34	0.43
INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR °F (°C)														
		35 (2)			40 (4)			45 (7)			50 (10)			55 (13)		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
CVPVA4924XMC																
1200	72	82.29	39.97	0.00	75.06	36.49	0.00	66.56	32.66	0.00	56.81	28.53	0.32	45.51	24.17	0.24
	67	67.88	42.24	0.29	60.12	38.37	0.24	51.40	34.33	0.22	41.52	30.01	0.20	30.74	25.47	0.20
	62	54.42	44.06	0.20	46.68	39.99	0.19	37.91	35.68	0.19	31.37	31.37	0.20	26.47	26.47	0.32
1600	72	96.91	46.86	0.00	88.91	43.08	0.00	79.13	38.86	0.00	67.86	34.23	0.35	54.59	29.21	0.29
	67	80.46	50.39	0.32	71.54	46.07	0.29	61.46	41.52	0.27	49.78	36.52	0.25	36.92	31.20	0.25
	62	64.67	53.15	0.25	56.05	48.73	0.25	45.44	43.71	0.24	39.06	39.06	0.25	32.94	32.94	0.36
2000	72	108.86	52.41	0.00	99.99	48.45	0.00	89.15	43.89	0.00	76.74	38.92	0.38	61.75	33.39	0.32
	67	90.40	57.05	0.35	80.58	52.39	0.33	69.52	47.55	0.31	56.51	42.11	0.29	41.88	36.09	0.29
	62	72.93	60.89	0.29	63.02	56.06	0.28	51.61	50.67	0.28	45.52	45.52	0.30	38.56	38.56	0.40

Table 2 – COOLING CAPACITIES (MBH) - PURON® REFRIGERANT (R-410A) (Continued)

INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR °F (°C)														
		35 (2)			40 (4)			45 (7)			50 (10)			55 (13)		
CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
CVPVA6124XMC																
1500	72	94.08	44.91	0.00	86.46	41.47	0.00	77.20	37.49	0.00	66.54	33.16	0.29	53.87	28.40	0.23
	67	78.09	48.35	0.25	69.77	44.38	0.23	60.13	40.09	0.20	48.92	35.41	0.19	36.53	30.36	0.18
	62	62.99	51.17	0.19	54.52	46.95	0.18	44.62	42.28	0.18	38.02	38.02	0.20	32.18	32.18	0.32
2000	72	109.14	52.03	0.00	100.71	48.38	0.00	90.34	44.12	0.00	78.24	39.37	0.32	63.70	34.05	0.27
	67	91.10	57.17	0.29	81.67	52.82	0.27	70.78	48.10	0.25	57.87	42.87	0.24	43.42	37.07	0.23
	62	73.68	61.30	0.24	64.04	56.71	0.23	53.77	52.67	0.21	46.95	46.95	0.25	39.80	39.80	0.36
2500	72	120.58	57.58	0.00	111.64	53.88	0.00	100.43	49.42	0.41	87.32	44.41	0.35	71.39	38.73	0.31
	67	100.95	64.34	0.32	90.79	59.73	0.30	78.98	54.76	0.29	64.81	49.15	0.27	48.89	42.83	0.27
	62	81.94	69.82	0.28	71.39	64.99	0.27	60.82	60.82	0.23	54.65	54.64	0.30	46.38	46.38	0.40

CFM - Cubic Ft. per Minute

EWB - Entering Wet Bulb (°F)

LWB - Leaving Wet Bulb (°F)

TC - Gross Cooling Capacity 1000 Btuh

SHC - Gross Sensible Capacity 1000 Btuh

BF - Bypass Factor

MBH - 1000 Btuh

See notes below.

COOLING CAPACITIES NOTES:

- Contact manufacturer for cooling capacities at conditions other than shown in table.
- Formulas:
 Leaving db = entering db - $\frac{\text{sensible heat cap.}}{1.09 \times \text{CFM}}$
 Leaving wb = wb corresponding to enthalpy of air leaving coil (h_{LWB})

$$h_{LWB} = h_{EWB} - \frac{\text{total capacity (Btuh)}}{4.5 \times \text{CFM}}$$
 Where h_{EWB} = enthalpy of air entering coil
- SHC is based on 80°F db temperature of air entering the evaporator coil.
 Below 80°F db, subtract (Correction Factor x CFM) from SHC.
 Above 80°F db, add (Correction Factor x CFM) to SHC.
- Direct interpolation is permissible. Do not extrapolate.
- Fan motor heat has not been deducted.
- All data points are based on approximately 10°F superheat measured at the suction service valve and use of thermostatic expansion valve (TXV) device.
- All units have sweat suction-tube connection and a liquid-tube connection. For 1-1/8-in. system suction tube, 3/4 x 1-1/8-in. suction tube connection adapter is available as accessory.
- Before using maximum cfm shown in table, check coil static pressure drop to ensure system blower can provide necessary static pressure needed for coil and duct systems.
- Bypass Factor = 0 indicates no psychometric solution. Use bypass factor of next lower EWB for approximation.

BYPASS FACTOR	ENTERING AIR DRY BULB TEMPERATURE (°F)					
	79	78	77	76	75	Under 75
	81	82	83	84	84	Above 85
	Correction Factor					
0.10	0.98	1.96	2.94	3.92	4.91	Use formula shown below
0.20	0.87	1.74	2.62	3.49	4.36	
0.30	0.76	1.53	2.29	3.05	3.82	

Interpolation is permissible.

Correction Factor = $1.09 \times (1 - \text{BF}) \times (\text{db} - 80)$