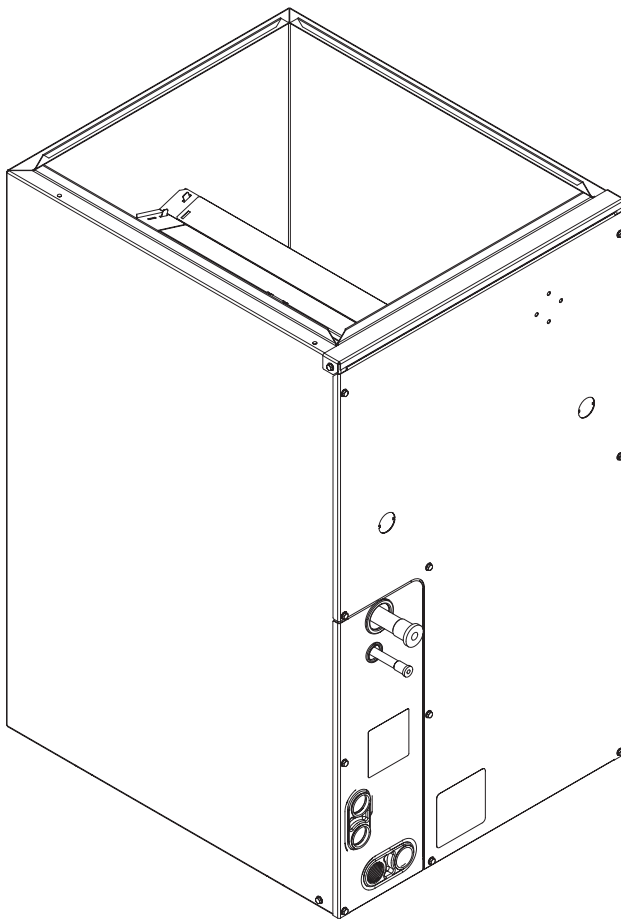


**CAPMP, CARMP
EVAPORATOR COIL
A COIL – CASED
MULTIPOISE**



Product Data



CAPMP / CARMP

A06009

The CAPMP and CARMP evaporator coils incorporate proven standards for reliable system operation and performance throughout the life of a quality Bryant Air Conditioner or Heat Pump system. Evaporator coils manufactured by Bryant and installed as part of a total comfort system provide ARI-rated performance ratings and are additionally listed with UL and c-UL.

The coils are available for use in Puron®, the environmentally-friendly refrigerant, and R-22 systems. The CAPMP and CARMP are cased A-coils that are housed in a durable, 22 gauge, pre-painted taupe metallic cabinet to match the Bryant furnaces. Not only will the color match, but the new Bryant A-coils come in sizes to fit “all” Bryant furnaces, even the narrow designs. The fully-insulated cabinet (foil faced with R-2.1 insulation properties) provides for quiet, efficient operation of the evaporator coil. The coils are available in sizes 018 through 060 (1.5–5 tons). These multipoise coils offer the most in installation application flexibility, one coil for a variety of applications with fewer SKUs to stock.

DESIGN FEATURES

Performance — Designed with performance in mind, these new A-coils offer low pressure drops to enhance system performance and airflow characteristics.

Thermostatic Expansion Valves (TXV) — All Bryant coils have refrigerant-specific, factory-installed TXVs.

Durable Condensate Pans (2) — The corrosion-resistant drain pans, one for vertical applications and one for horizontal, are designed in a new “fiberglass reinforced thermoset polyester” material (FRTP) that offers unsurpassed pan strength. It is engineered with proper slope in both pans to help ensure water drainage, improved moisture removal, and home comfort.

Refrigerant Connections — The coils are provided with industry proven sweat connections for leak-free operation to maintain system reliability. The side mounting tubing to the coil slabs allows for easy cleaning/servicing of the coils, as well as easy access to the TXV.

Burst Pressure — These coils meet or exceed burst pressure of 2100 psi which is at least three to five times the pressure they will see in actual application; good for either Puron® or R-22 refrigerant designs.

UV Knockouts — The cased coils also come with factory-installed UV knockouts for quick and easy installation of Bryant UV lights.

Serviceability — All the coils come with a “split delta plate” for easy, quick access to the coil for service and cleaning. Also, after the door is removed, the coils are removable from the front of the unit without use of any tools.

Tin-Plated Copper Coil Models — Separate lines of tin-plated copper coil models are available for CAPMP, Puron® refrigerant models. “T” models are built with special hairpins tin-plated to resist both general pitting corrosion and excessive indoor corrosion-Formicary Corrosion. (Formicary Corrosion is an industry phenomenon.)

Warranty — All Bryant coils feature a limited 5-year warranty on parts, with additional extended warranties available for the

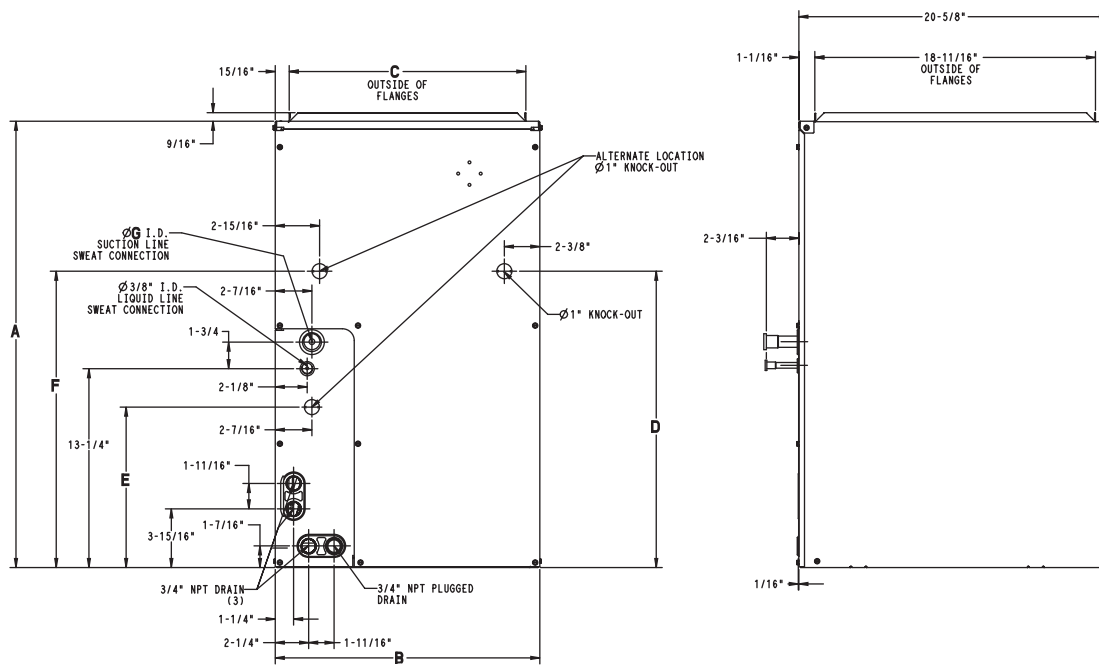
system. The “tin-plated copper coil” models come with a limited 10-year warranty on the coil.

MODEL NUMBER NOMENCLATURE

1	2	3	4	5	6-7	8-9	10	11	12
C	A	P	M	P	18	14	A	C	A
Product	Coil Type	Refrigerant Type	Coil Configuration	Cabinet Finish	Unit Capacity	Cabinet Width	Revision Level	Tubing Design	Variations
C — Coil	A — A	P — Puron® TXV R — R-22 TXV	M — Multipoise	P — Painted	18 — 1 1/2 Ton 24 — 2 Ton 30 — 2 1/2 Ton 36 — 3 Ton 42 — 3 1/2 Ton 48 — 4 Ton 60 — 5 Ton	14 — 14 in. 17 — 17 in. 21 — 21 in. 24 — 24 in.	A — Revision	C — Copper T — Tin Plated Copper	A — Basic



CERTIFICATION APPLIES ONLY WHEN THE COMPLETE SYSTEM IS LISTED WITH ARI



A06502

DIMENSIONS

UNIT	A (IN.)	B (IN.)	C (IN.)	D (IN.)	E (IN.)	F (IN.)	G (IN.)	SHIPPING WT. (LBS.)	
								Non-Coated Hairpins (C)	Tin-Coated Hairpins (T)
CAPMP1814A(C,T)A	25-13/16	14-3/16	12-7/16	17-3/16	10-11/16	—	5/8	49.5	50.5
CAPMP2414A(C,T)A	25-13/16	14-3/16	12-7/16	17-3/16	10-11/16	—	5/8	51.5	52.5
CAPMP2417A(C,T)A	25-13/16	17-1/2	15-3/4	10-11/16	10-11/16	—	5/8	55.0	56.5
CAPMP3014A(C,T)A	25-13/16	14-3/16	12-7/16	17-3/16	—	19-3/4	3/4	56.5	58.0
CAPMP3017A(C,T)A	25-13/16	17-1/2	15-3/4	17-3/16	—	19-3/4	3/4	62.5	64.5
CAPMP3614A(C,T)A	29-3/4	14-3/16	12-7/16	19-3/4	—	19-3/4	3/4	63.0	65.0
CAPMP3617A(C,T)A	29-3/4	17-1/2	15-3/4	19-3/4	—	19-3/4	3/4	66.5	71.0
CAPMP3621A(C,T)A	29-3/4	21	19-1/4	19-3/4	—	19-3/4	3/4	70.5	73.0
CAPMP4221A(C,T)A	29-3/4	21	19-1/4	19-3/4	—	19-3/4	7/8	75.0	78.0
CAPMP4224A(C,T)A	29-3/4	24-1/2	22-3/4	19-3/4	—	19-3/4	7/8	79.0	82.0
CAPMP4817A(C,T)A	35	17-1/2	15-3/4	19-3/4	—	19-3/4	7/8	88.5	91.0
CAPMP4821A(C,T)A	29-3/4	21	19-1/4	19-3/4	—	19-3/4	7/8	81.0	84.0
CAPMP4824A(C,T)A	29-3/4	24-1/2	22-3/4	19-3/4	—	19-3/4	7/8	86.0	88.5
CAPMP6021A(C,T)A	35	21	19-1/4	19-3/4	—	19-3/4	7/8	93.0	96.0
CAPMP6024A(C,T)A	35	24-1/2	22-3/4	19-3/4	—	19-3/4	7/8	98.0	101.0
CARMP1814ACA	25-13/16	14-3/16	12-7/16	17-3/16	10-11/16	—	5/8	49.5	—
CARMP2414ACA	25-13/16	14-3/16	12-7/16	17-3/16	10-11/16	—	5/8	51.5	—
CARMP2417ACA	25-13/16	17-1/2	15-3/4	10-11/16	10-11/16	—	5/8	55.0	—
CARMP3014ACA	25-13/16	14-3/16	12-7/16	17-3/16	—	19-3/4	3/4	56.5	—
CARMP3017ACA	25-13/16	17-1/2	15-3/4	17-3/16	—	19-3/4	3/4	62.5	—
CARMP3614ACA	29-3/4	14-3/16	12-7/16	19-3/4	—	19-3/4	3/4	63.0	—
CARMP3617ACA	29-3/4	17-1/2	15-3/4	19-3/4	—	19-3/4	3/4	66.5	—
CARMP3621ACA	29-3/4	21	19-1/4	19-3/4	—	19-3/4	3/4	70.5	—
CARMP4221ACA	29-3/4	21	19-1/4	19-3/4	—	19-3/4	7/8	75.0	—
CARMP4224ACA	29-3/4	24-1/2	22-3/4	19-3/4	—	19-3/4	7/8	79.0	—
CARMP4817ACA	35	17-1/2	15-3/4	19-3/4	—	19-3/4	7/8	88.5	—
CARMP4821ACA	29-3/4	21	19-1/4	19-3/4	—	19-3/4	7/8	81.0	—
CARMP4824ACA	29-3/4	24-1/2	22-3/4	19-3/4	—	19-3/4	7/8	86.0	—
CARMP6021ACA	35	21	19-1/4	19-3/4	—	19-3/4	7/8	93.0	—
CARMP6024ACA	35	24-1/2	22-3/4	19-3/4	—	19-3/4	7/8	98.0	—

PERFORMANCE DATA

COOLING CAPACITIES (MBH) – PURON® REFRIGERANT

CAPM UNIT SIZE	INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (°F)														
			30			35			40			45			50		
	CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
1814	450	72	32.00	15.70	0.00	29.30	14.30	0.00	26.40	12.80	0.00	23.10	11.30	0.00	19.50	9.70	0.01
		67	26.80	16.10	0.01	24.10	14.60	0.01	21.10	13.10	0.01	17.80	11.50	0.02	14.20	9.90	0.02
		62	22.10	16.50	0.02	19.30	14.90	0.02	16.40	13.40	0.02	13.20	11.80	0.02	10.30	10.30	0.05
	600	72	39.20	19.10	0.00	36.00	17.40	0.00	32.30	15.70	0.00	28.30	13.90	0.02	23.80	12.00	0.02
		67	32.90	19.90	0.03	29.60	18.20	0.03	25.90	16.30	0.03	21.90	14.40	0.03	17.40	12.50	0.03
		62	27.20	20.60	0.04	23.80	18.80	0.04	20.20	16.90	0.04	16.30	15.00	0.04	13.20	13.20	0.09
	750	72	45.10	21.90	0.00	41.40	20.10	0.00	37.20	18.20	0.02	32.60	16.10	0.04	27.40	14.00	0.04
		67	38.00	23.20	0.05	34.20	21.20	0.05	29.90	19.10	0.05	25.20	17.00	0.05	20.00	14.70	0.06
		62	31.50	24.20	0.06	27.60	22.10	0.06	23.40	20.00	0.06	19.10	17.90	0.06	15.70	15.70	0.13
2414 2417	600	72	39.40	19.20	0.00	36.30	17.60	0.00	32.80	15.90	0.00	28.90	14.10	0.00	24.50	12.20	0.01
		67	33.10	20.00	0.01	29.90	18.20	0.01	26.30	16.40	0.01	22.40	14.50	0.02	17.90	12.60	0.02
		62	27.40	20.50	0.02	24.10	18.70	0.02	20.50	16.90	0.02	16.60	15.00	0.02	13.10	13.10	0.05
	800	72	47.70	23.20	0.00	44.00	21.40	0.00	39.80	19.40	0.00	35.10	17.30	0.02	29.80	15.10	0.02
		67	40.30	24.50	0.03	36.40	22.50	0.03	32.10	20.40	0.03	27.30	18.10	0.03	21.80	15.80	0.03
		62	33.40	25.50	0.04	29.50	23.40	0.04	25.10	21.20	0.04	20.50	19.00	0.04	16.70	16.70	0.09
	1000	72	54.30	26.40	0.00	50.20	24.40	0.00	45.40	22.30	0.02	40.10	20.00	0.04	34.00	17.50	0.04
		67	46.00	28.20	0.05	41.70	26.10	0.05	36.80	23.70	0.05	31.20	21.20	0.05	25.00	18.60	0.05
		62	38.30	29.80	0.05	33.80	27.50	0.06	28.90	25.10	0.06	23.80	22.60	0.06	19.90	19.90	0.14
3014 3017	750	72	49.10	24.00	0.00	45.00	21.90	0.00	40.50	19.70	0.00	35.50	17.40	0.00	30.00	15.00	0.01
		67	41.20	24.80	0.01	37.00	22.50	0.02	32.40	20.20	0.02	27.40	17.80	0.02	21.90	15.30	0.02
		62	34.00	25.40	0.02	29.70	23.00	0.02	25.10	20.60	0.02	20.30	18.30	0.02	16.00	16.00	0.06
	1000	72	59.90	29.10	0.00	55.00	26.70	0.00	49.50	24.10	0.00	43.30	21.30	0.02	36.50	18.40	0.03
		67	50.40	30.50	0.03	45.30	27.90	0.04	39.70	25.10	0.04	33.50	22.20	0.04	26.70	19.20	0.04
		62	41.70	31.60	0.04	36.50	28.80	0.04	30.90	26.00	0.04	25.00	23.10	0.05	20.30	20.30	0.10
	1250	72	68.80	33.40	0.00	63.20	30.70	0.00	56.80	27.80	0.03	49.70	24.70	0.04	41.90	21.40	0.05
		67	58.00	35.40	0.06	52.20	32.40	0.06	45.70	29.30	0.06	38.50	26.00	0.06	30.60	22.60	0.07
		62	48.00	37.00	0.07	42.10	33.90	0.07	35.70	30.70	0.07	29.20	27.50	0.07	24.20	24.20	0.14
3614 3617 3621	900	72	60.30	29.40	0.00	55.40	26.90	0.00	49.90	24.30	0.00	43.80	21.50	0.01	37.00	18.60	0.02
		67	50.70	30.60	0.02	45.70	27.90	0.03	40.10	25.10	0.03	33.90	22.20	0.03	27.00	19.20	0.03
		62	41.90	31.50	0.03	36.70	28.70	0.03	31.10	25.80	0.03	25.10	22.90	0.04	20.00	20.00	0.08
	1200	72	72.40	35.10	0.00	66.50	32.30	0.00	59.90	29.30	0.02	52.50	26.00	0.04	44.30	22.60	0.05
		67	61.00	37.10	0.05	55.00	34.00	0.06	48.20	30.70	0.06	40.70	27.30	0.06	32.40	23.70	0.06
		62	50.50	38.80	0.06	44.30	35.50	0.06	37.60	32.10	0.06	30.60	28.70	0.07	25.20	25.20	0.13
	1500	72	82.20	39.90	0.00	75.60	36.90	0.02	68.10	33.50	0.05	59.70	29.90	0.07	50.40	26.10	0.08
		67	69.40	42.70	0.08	62.60	39.30	0.08	55.00	35.70	0.08	46.40	31.80	0.09	37.00	27.80	0.09
		62	57.70	45.10	0.09	50.70	41.40	0.09	43.10	37.70	0.09	35.50	34.00	0.10	29.80	29.80	0.18
4221 4224	1050	72	75.00	36.40	0.00	69.30	33.70	0.00	62.60	30.60	0.01	55.10	27.40	0.02	46.90	24.00	0.03
		67	63.30	38.80	0.03	57.20	35.70	0.03	50.50	32.50	0.03	42.90	29.00	0.04	33.50	25.00	0.04
		62	52.60	40.80	0.04	46.40	37.60	0.04	39.50	34.10	0.04	32.00	30.40	0.05	26.40	26.40	0.14
	1400	72	87.10	42.50	0.00	80.60	39.50	0.03	73.00	36.20	0.04	64.20	32.50	0.05	54.40	28.60	0.06
		67	73.80	46.10	0.06	66.90	42.70	0.06	58.90	39.00	0.07	50.10	35.20	0.07	40.00	30.90	0.07
		62	61.40	49.30	0.07	54.40	45.70	0.07	46.90	42.10	0.07	39.00	38.10	0.09	33.00	33.00	0.19
	1750	72	96.50	47.40	0.05	89.50	44.30	0.07	81.30	40.80	0.07	71.70	36.90	0.08	60.50	32.60	0.09
		67	82.10	52.30	0.09	74.60	48.80	0.09	65.90	44.90	0.09	55.90	40.60	0.09	45.10	36.20	0.10
		62	68.60	56.80	0.10	61.00	53.10	0.10	52.90	49.10	0.10	44.90	44.90	0.12	38.70	38.70	0.24
4817 4821 4824	1200	72	83.40	40.60	0.00	76.70	37.20	0.00	69.30	33.60	0.00	60.90	29.80	0.01	51.70	25.80	0.02
		67	70.10	42.30	0.02	63.20	38.60	0.03	55.60	34.80	0.03	47.20	30.80	0.04	37.80	26.60	0.04
		62	57.90	43.50	0.04	50.90	39.70	0.04	43.20	35.70	0.04	34.90	31.70	0.04	27.70	27.70	0.08
	1600	72	100.80	48.90	0.00	92.80	45.10	0.00	83.80	40.90	0.01	73.80	36.40	0.04	62.50	31.70	0.05
		67	84.90	51.70	0.05	76.70	47.40	0.06	67.50	42.90	0.06	57.30	38.10	0.06	45.90	33.20	0.06
		62	70.40	53.90	0.06	62.00	49.30	0.06	52.60	44.60	0.07	42.80	39.90	0.07	35.00	35.00	0.13
	2000	72	114.70	55.70	0.00	105.70	51.60	0.00	95.60	47.00	0.05	84.20	42.00	0.07	71.40	36.70	0.08
		67	97.00	59.50	0.08	87.70	54.90	0.08	77.30	49.90	0.09	65.60	44.60	0.09	52.50	39.00	0.09
		62	80.60	62.80	0.09	71.00	57.70	0.09	60.50	52.50	0.09	49.60	47.20	0.10	41.30	41.30	0.18
6021 6024	1600	72	109.20	53.40	0.00	100.00	48.60	0.00	89.90	43.60	0.00	78.60	38.50	0.00	66.40	33.10	0.02
		67	91.50	55.10	0.02	82.10	50.00	0.03	71.90	44.80	0.03	60.70	39.40	0.03	48.40	34.00	0.03
		62	75.40	56.30	0.03	65.90	51.00	0.03	55.60	45.70	0.04	44.80	40.40	0.04	35.30	35.30	0.07
	2000	72	128.00	62.20	0.00	117.20	56.90	0.00	105.20	51.20	0.00	92.00	45.20	0.02	77.50	39.10	0.04
		67	107.40	64.90	0.04	96.40	59.10	0.04	84.30	53.00	0.05	71.10	46.80	0.05	56.60	40.50	0.05
		62	88.60	66.90	0.05	77.50	60.80	0.05	65.30	54.60	0.05	52.70	48.50	0.06	42.40	42.40	0.11
	2400	72	144.20	70.00	0.00	132.10	64.20	0.00	118.50	57.90	0.01	103.60	51.20	0.04	87.20	44.30	0.06
		67	121.20	73.60	0.06	108.80	67.20	0.06	95.10	60.40	0.07	80.10	53.50	0.07	63.70	46.40	0.07
		62	100.10	76.40	0.07	87.50	69.60	0.07	73.80	62.70	0.07	59.80	56.00	0.08	48.90	48.90	0.14

See notes on page 6.

PERFORMANCE DATA (CONT.)

COOLING CAPACITIES (MBH) – R-22 REFRIGERANT

CARM UNIT SIZE	INDOOR COIL AIR		SATURATED TEMPERATURE LEAVING EVAPORATOR (°F)														
			30			35			40			45			50		
	CFM	EWB	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF	TC	SHC	BF
1814	450	72	29.90	14.50	0.00	27.70	13.40	0.00	25.10	12.30	0.00	22.00	10.90	0.00	18.30	9.30	0.01
		67	25.30	15.40	0.01	22.90	14.20	0.01	20.00	12.80	0.01	16.70	11.20	0.02	12.90	9.60	0.02
		62	20.90	16.00	0.02	18.30	14.70	0.02	15.40	13.20	0.02	12.40	11.80	0.03	10.20	10.20	0.12
	600	72	35.20	17.10	0.00	32.60	15.90	0.00	29.60	14.60	0.02	26.30	13.20	0.02	22.00	11.50	0.03
		67	29.90	18.50	0.03	27.20	17.20	0.03	24.00	15.70	0.03	20.10	14.00	0.03	15.60	12.10	0.03
		62	25.00	19.80	0.04	22.00	18.30	0.04	18.70	16.60	0.04	15.30	14.90	0.05	12.80	12.80	0.16
	750	72	39.20	19.20	0.02	36.30	17.90	0.03	33.00	16.50	0.04	29.30	14.90	0.04	25.00	13.30	0.05
		67	33.30	21.10	0.05	30.40	19.70	0.05	27.00	18.10	0.05	22.80	16.30	0.05	17.80	14.30	0.06
		62	28.00	22.90	0.05	25.00	21.40	0.06	21.40	19.60	0.06	17.90	17.70	0.09	15.20	15.20	0.21
2414 2417	600	72	39.50	19.20	0.00	36.70	17.90	0.00	33.60	16.50	0.00	29.90	14.90	0.00	25.60	13.10	0.01
		67	33.50	20.70	0.01	30.70	19.20	0.01	27.40	17.70	0.01	23.30	15.80	0.01	18.50	13.80	0.02
		62	28.10	22.00	0.02	25.00	20.40	0.02	21.50	18.60	0.02	17.60	16.70	0.03	14.60	14.60	0.11
	800	72	45.50	22.30	0.00	42.50	20.90	0.01	38.90	19.40	0.02	34.70	17.70	0.02	30.00	15.80	0.03
		67	38.90	24.60	0.03	35.60	23.00	0.03	31.90	21.30	0.03	27.50	19.40	0.03	22.10	17.20	0.03
		62	32.70	26.70	0.03	29.40	25.10	0.03	25.60	23.20	0.04	21.40	21.10	0.05	18.30	18.30	0.16
	1000	72	49.90	24.70	0.03	46.70	23.40	0.04	42.90	21.80	0.04	38.30	20.00	0.04	33.10	18.00	0.05
		67	42.80	27.80	0.05	39.30	26.20	0.05	35.20	24.40	0.05	30.50	22.40	0.05	24.90	20.20	0.05
		62	36.20	30.80	0.05	32.70	29.10	0.06	28.80	27.20	0.06	24.90	24.90	0.09	21.60	21.60	0.21
3014 3017	750	72	49.30	23.90	0.00	45.70	22.20	0.00	41.50	20.20	0.00	36.60	18.10	0.01	30.60	15.60	0.01
		67	41.80	25.50	0.02	38.00	23.50	0.02	33.30	21.30	0.02	27.90	18.80	0.02	21.70	16.20	0.02
		62	34.70	26.70	0.02	30.40	24.50	0.02	25.70	22.10	0.02	20.70	19.70	0.03	17.00	17.00	0.12
	1000	72	57.80	28.10	0.00	53.60	26.20	0.01	48.70	24.00	0.02	43.20	21.70	0.03	36.70	19.10	0.03
		67	49.10	30.50	0.04	44.70	28.40	0.04	39.70	26.00	0.04	33.40	23.30	0.04	26.10	20.20	0.04
		62	41.10	32.60	0.04	36.50	30.30	0.04	31.10	27.70	0.05	25.50	24.90	0.06	21.50	21.50	0.17
	1250	72	64.10	31.40	0.03	59.60	29.40	0.04	54.20	27.10	0.05	48.10	24.60	0.05	41.20	21.90	0.06
		67	54.60	34.60	0.06	49.80	32.40	0.06	44.30	29.90	0.06	37.90	27.10	0.06	29.80	23.80	0.06
		62	45.90	37.70	0.06	41.10	35.30	0.06	35.50	32.60	0.07	29.60	29.60	0.09	25.40	25.40	0.21
3614 3617 3621	900	72	54.00	26.20	0.00	50.10	24.40	0.00	45.60	22.40	0.01	40.50	20.20	0.02	34.30	17.60	0.02
		67	45.80	28.20	0.03	41.70	26.20	0.03	37.00	23.90	0.03	31.20	21.30	0.03	24.50	18.50	0.03
		62	38.30	30.00	0.03	33.90	27.70	0.03	28.80	25.20	0.03	23.50	22.50	0.05	19.50	19.50	0.14
	1200	72	62.00	30.30	0.02	57.70	28.40	0.03	52.50	26.20	0.04	46.70	23.80	0.05	40.10	21.10	0.05
		67	52.80	33.30	0.06	48.20	31.10	0.06	42.90	28.70	0.06	36.70	26.00	0.06	29.00	22.80	0.06
		62	44.30	36.10	0.06	39.70	33.80	0.06	34.20	31.10	0.07	28.50	28.20	0.09	24.30	24.30	0.20
	1500	72	68.10	33.60	0.06	63.40	31.70	0.07	57.90	29.40	0.07	51.40	26.80	0.08	44.20	24.00	0.08
		67	58.20	37.60	0.08	53.20	35.40	0.08	47.40	32.80	0.09	40.70	30.00	0.09	32.70	26.70	0.09
		62	49.00	41.40	0.09	44.10	39.00	0.09	38.60	36.30	0.10	33.10	33.10	0.13	28.50	28.50	0.25
4221 4224	1050	72	65.80	31.90	0.00	60.70	29.50	0.00	54.90	26.90	0.01	48.30	24.00	0.02	41.10	21.00	0.03
		67	55.50	34.00	0.03	50.20	31.30	0.03	44.30	28.50	0.03	37.60	25.50	0.04	29.40	22.00	0.04
		62	46.10	35.80	0.04	40.70	32.90	0.04	34.70	29.90	0.04	28.00	26.70	0.05	23.10	23.10	0.14
	1400	72	76.30	37.30	0.00	70.60	34.60	0.03	64.00	31.70	0.04	56.30	28.50	0.05	47.70	25.00	0.06
		67	64.70	40.40	0.06	58.70	37.50	0.06	51.70	34.20	0.07	44.00	30.80	0.07	35.00	27.10	0.07
		62	53.90	43.20	0.07	47.70	40.10	0.07	41.10	36.90	0.07	34.20	33.40	0.09	28.90	28.90	0.19
	1750	72	84.60	41.60	0.05	78.50	38.90	0.07	71.30	35.80	0.07	62.80	32.40	0.08	53.10	28.50	0.09
		67	72.00	45.90	0.09	65.40	42.80	0.09	57.80	39.40	0.09	49.00	35.60	0.09	39.60	31.70	0.10
		62	60.20	49.80	0.10	53.50	46.50	0.10	46.40	43.00	0.10	39.40	39.40	0.12	34.00	34.00	0.24
4817 4821 4824	1200	72	69.10	33.50	0.00	64.20	31.30	0.00	58.60	28.70	0.01	52.00	25.90	0.02	44.70	22.90	0.03
		67	58.60	36.10	0.03	53.50	33.60	0.03	47.60	30.70	0.03	40.90	27.70	0.04	33.00	24.30	0.04
		62	49.00	38.40	0.04	43.60	35.60	0.04	37.60	32.60	0.04	30.90	29.30	0.05	25.60	25.60	0.13
	1600	72	79.70	39.00	0.01	74.40	36.60	0.03	68.10	33.90	0.04	60.70	30.80	0.05	52.10	27.40	0.05
		67	68.00	42.90	0.06	62.30	40.20	0.06	55.50	37.10	0.06	47.70	33.70	0.06	38.90	30.00	0.06
		62	57.10	46.40	0.06	51.00	43.40	0.06	44.30	40.20	0.07	37.40	36.70	0.08	32.00	32.00	0.18
	2000	72	87.60	43.30	0.05	81.90	40.90	0.06	75.20	38.10	0.07	67.20	34.90	0.07	57.80	31.20	0.08
		67	75.00	48.50	0.08	68.80	45.70	0.08	61.60	42.50	0.09	53.00	38.80	0.09	43.30	34.90	0.09
		62	63.20	53.40	0.09	56.80	50.30	0.09	49.70	46.80	0.10	42.80	42.80	0.13	37.40	37.40	0.24
6021 6024	1600	72	93.30	45.30	0.00	86.10	41.80	0.00	77.80	38.00	0.00	68.60	33.90	0.01	58.40	29.60	0.02
		67	78.70	47.90	0.02	71.20	44.00	0.03	62.90	40.00	0.03	53.20	35.60	0.03	41.70	30.60	0.03
		62	65.30	50.10	0.03	57.70	46.00	0.03	48.80	41.60	0.03	39.30	36.90	0.04	32.00	32.00	0.12
	2000	72	106.40	51.70	0.00	98.30	47.90	0.00	89.00	43.70	0.02	78.40	39.10	0.03	66.70	34.30	0.04
		67	90.00	55.40	0.04	81.50	51.20	0.05	71.90	46.60	0.05	61.20	41.80	0.05	48.40	36.40	0.05
		62	74.80	58.60	0.05	66.10	54.10	0.05	56.70	49.50	0.05	46.20	44.30	0.06	38.40	38.40	0.16
	2400	72	117.00	57.10	0.00	108.30	53.10	0.03	98.20	48.60	0.04	86.60	43.70	0.05	73.40	38.50	0.06
		67	99.20	61.90	0.06	90.00	57.40	0.06	79.50	52.50	0.07	67.60	47.30	0.07	54.20	41.70	0.07
		62	82.70	66.20	0.07	73.20	61.40	0.07	63.00	56.40	0.07	52.30	51.00	0.09	44.10	44.10	0.19

See notes on page 6.

LEGEND:

CFM — Cubic Ft per Minute
EWB — Entering Wet Bulb (°F)
LWB — Leaving Wet Bulb (°F)
TC — Total Cooling Capacity 1000 Btuh
BF — Bypass Factor
MBH — 1000 Btuh
SHC — Sensible Heat Capacities (1000 Btuh)

NOTES:

- Contact manufacturer for cooling capacities at conditions other than shown in table.
- Formulas:

$$\text{Leaving db} = \text{entering db} - \frac{\text{sensible heat cap.}}{1.09 \times \text{CFM}}$$

$$\text{Leaving wb} = \text{wb corresponding to enthalpy of air leaving coil (h}_{\text{LWB}})$$

$$h_{\text{LWB}} = h_{\text{EWB}} - \frac{\text{total capacity (Btuh)}}{4.5 \times \text{CFM}}$$

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 10°F superheat leaving coil 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.
- The CAPMP coils can be used in any properly designed system using Puron® refrigerant.
- The CARMP coils can be used in any properly designed system using R–22 refrigerant.
- 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.

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

PERFORMANCE DATA (CONT.)

COIL STATIC PRESSURE DROP (IN. WC.) PURON® AND R-22 REFRIGERANTS

UNIT SIZE	STANDARD CFM																		
	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200
1814	Dry																		
	0.079	0.111	0.145	0.186	0.232														
	Wet																		
2414	0.083	0.116	0.151	0.196	0.243														
	Dry																		
	0.065	0.091	0.120	0.154	0.194	0.237	0.284												
2417	Wet																		
	0.066	0.094	0.124	0.161	0.203	0.250	0.301												
	Dry																		
3014	0.056	0.076	0.097	0.123	0.151	0.182	0.215												
	Wet																		
	0.060	0.082	0.105	0.132	0.163	0.195	0.231												
3017	Dry																		
	0.054	0.077	0.102	0.133	0.167	0.206	0.248	0.296	0.347										
	Wet																		
3017	0.059	0.084	0.111	0.142	0.181	0.223	0.269	0.319	0.375										
	Dry																		
	0.043	0.059	0.077	0.096	0.119	0.144	0.171	0.201	0.232										
3614	Wet																		
	0.046	0.063	0.083	0.105	0.130	0.157	0.186	0.219	0.252										
	Dry																		
3614	0.047	0.069	0.093	0.119	0.151	0.187	0.227	0.270	0.317	0.362	0.418								
	Wet																		
	0.053	0.076	0.101	0.129	0.162	0.200	0.241	0.286	0.335	0.388	0.447								
3617	Dry																		
	0.023	0.036	0.052	0.069	0.089	0.110	0.135	0.160	0.189	0.219	0.251								
	Wet																		
3621	0.042	0.058	0.076	0.095	0.117	0.142	0.169	0.198	0.231	0.265	0.299								
	Dry																		
	0.026	0.037	0.050	0.062	0.077	0.092	0.109	0.128	0.148	0.170	0.193								
4221	Wet																		
	0.029	0.040	0.053	0.065	0.082	0.099	0.119	0.138	0.160	0.185	0.209								
	Dry																		
4224			0.044	0.056	0.068	0.082	0.099	0.119	0.138	0.161	0.183	0.205	0.233						
	Wet																		
			0.058	0.073	0.089	0.106	0.125	0.143	0.165	0.189	0.213	0.239	0.268						
4817	Dry																		
			0.039	0.049	0.060	0.072	0.085	0.099	0.114	0.130	0.146	0.164	0.182						
	Wet																		
4821			0.054	0.066	0.079	0.092	0.103	0.125	0.142	0.161	0.182	0.202	0.222						
	Dry																		
			0.065	0.082	0.105	0.128	0.156	0.185	0.216	0.253	0.290	0.331	0.372	0.417	0.464				
4824	Wet																		
			0.066	0.084	0.106	0.130	0.159	0.188	0.222	0.256	0.296	0.337	0.379	0.425	0.476				
	Dry																		
6021			0.055	0.072	0.089	0.107	0.128	0.150	0.175	0.199	0.228	0.257	0.288	0.321	0.356				
	Wet																		
			0.058	0.075	0.094	0.115	0.136	0.161	0.188	0.217	0.247	0.279	0.313	0.347	0.386				
6024	Dry																		
			0.044	0.056	0.069	0.084	0.100	0.118	0.137	0.159	0.180	0.198	0.222	0.247	0.275				
	Wet																		
6024			0.052	0.065	0.080	0.095	0.112	0.131	0.150	0.171	0.193	0.214	0.241	0.270	0.296				
	Dry																		
					0.075	0.093	0.112	0.133	0.157	0.181	0.206	0.234	0.264	0.294	0.326	0.360	0.396	0.432	0.478
6024	Wet																		
					0.077	0.095	0.115	0.137	0.159	0.184	0.209	0.238	0.268	0.300	0.334	0.370	0.407	0.444	0.488
	Dry																		
6024					0.073	0.083	0.095	0.107	0.120	0.136	0.152	0.169	0.184	0.203	0.217	0.238	0.260	0.283	0.307
	Wet																		
					0.076	0.086	0.098	0.110	0.124	0.140	0.157	0.175	0.193	0.215	0.238	0.261	0.286	0.314	0.342

