

PRODUCT SPECIFICATIONS



Air Conditioning & Heating

CPLE SERIES 10 SEER

Split System Heat Pump

1½ to 5 Ton



The CPLE split system heat pump is designed for ground-level or rooftop mount application.



Standard Features

- Energy-efficient compressor with internal high-pressure relief
- Louvered guard protects coil from damage and adds strength to unit
- Bottom pan rails elevate unit above slab
- Quiet operating top discharge
- Totally enclosed and permanently lubricated condenser motor
- Copper tube, aluminum fin coil
- Brass liquid and suction service valves with sweat connections
- Fully charged for 15' of tubing length
- Factory-installed bi-flow liquid line filter drier
- Discharge line muffler
- Suction line accumulator
- Check-flowrater expansion device
- Time initiated, temperature-terminate defrost
- Low-pressure control for loss of charge protection
- Crankcase heater (where indicated)

Cabinet Construction

- Polyester powder paint provides premium durability and improved UV protection
- Heavy gauge, zinc-clad, G90 galvanized steel
- When properly anchored, meets the 2001 Florida Building Code unit integrity requirements for hurricane-type winds

Air Handler and Coil Compatibilities

- ARUF, ARPT and AEPT multi-position electric heat air handlers
- ARPF dedicated downflow electric heat air handler
- AWB vertical wall-mounted electric heat air handler
- AH vertical wall-mounted hydronic heat air handler
- AC ceiling-mounted electric heat air handler
- ACHP ceiling-mounted hydronic heat air handler
- MBR/MBE modular blower
- CA, CH and H indoor coils

Accessories

- Standard Room Thermostat with 1-stage cool/2-stage heat (HPT18-60)
- Digital Room Thermostat with 1-stage cool/2-stage heat (CHTP18-60HD)
- Outdoor Lockout Thermostat/Emergency Heat Relay Kit for staging electric heat (OT/EHR18-60)
- Outdoor Thermostat (OT18-60); required for all heat pumps if outdoor ambient temperature is 0° F with 50% or higher relative humidity



PRODUCT SPECIFICATIONS

Specifications

Model	Nominal Cooling Capacity (BTUH)	Nominal Heating Capacity (BTUH)	Service Valve			Compressor		Condenser Fan		Shipping Weight (pounds)
			Liquid	Suction	Connection Type	RLA	LRA	HP	FLA	
CPLE18-1C	17,400	18,000	3/8"	3/4"	Sweat	9.4	49	1/6	1.3	127
CPLE24-1C	22,800	22,800	3/8"	3/4"	Sweat	13	56	1/6	1.3	137
CPLE30-1C	28,000	29,000	3/8"	3/4"	Sweat	13.7	75	1/6	1.3	140
CPLE36-1C	35,000	33,200	3/8"	3/4"	Sweat	16.2	96	1/4	1.8	152
CPLE42-1C	41,000	41,500	3/8"	7/8"	Sweat	17.1	105	1/4	1.8	162
CPLE48-1C	45,000	45,000	3/8"	7/8"	Sweat	18.3	102	1/4	1.8	178
CPLE48-3C	45,000	45,000	3/8"	7/8"	Sweat	12.6	91	1/4	1.8	178
CPLE60-1C	55,000	55,000	3/8"	7/8"	Sweat	25	150	1/4	1.8	210
CPLE60-3C	55,000	55,000	3/8"	7/8"	Sweat	15.4	124	1/4	1.8	210

Electrical Data

Model	Minimum Circuit Ampacity	Maximum Overcurrent Protection	Voltage-Phase	Minimum Volts	Maximum Volts
CPLE18-1C	13.1	20	208/230-1	197	253
CPLE24-1C	17.6	30	208/230-1	197	253
CPLE30-1C	18.4	30	208/230-1	197	253
CPLE36-1C	22.1	30	208/230-1	197	253
CPLE42-1C	23.2	40	208/230-1	197	253
CPLE48-1C	24.6	40	208/230-1	197	253
CPLE48-3C	17.6	30	208/230-3	197	253
CPLE60-1C	33.1	50	208/230-1	197	253
CPLE60-3C	21.1	30	208/230-3	197	253

1) Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes

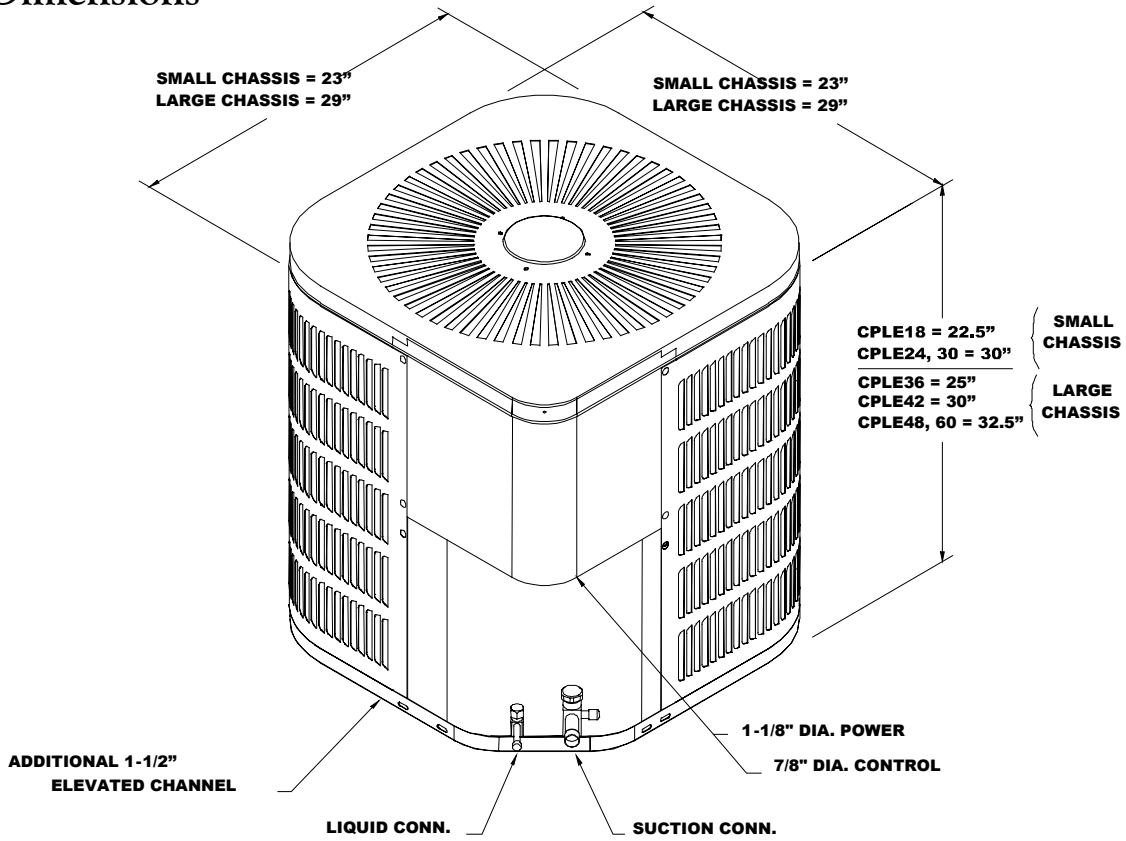
2) May use fuses or HACR type Circuit Breakers of the same size as noted

* With Crankcase Heat

**Uses Scroll Compressor

PRODUCT SPECIFICATIONS

Dimensions



Model	Width	Depth	Height
CPLE18-1C	23"	23"	24"
CPLE24-1C	23"	23"	31.5"
CPLE30-1C	23"	23"	31.5"
CPLE36-1C	29"	29"	26.5"
CPLE42-1C	29"	29"	31.5"
CPLE48-1C	29"	29"	34"
CPLE48-3C	29"	29"	34"
CPLE60-1C	29"	29"	34"
CPLE60-3C	29"	29"	34"

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Performance Ratings

Heat Pump	Coil or Air Handler	Total BTUH	Sensible BTUH	EER	SEER	47° F Heat Cap. (Btuh)	47° F Coeff. of Perf. (COP)	Region IV HSPF Rating	17° F Heat Cap. (Btuh)	17° F Coeff. of Perf. (COP)	ARI Ref. #	Decibels	
CPLE18-1*	AC18-XX	16,200	11,400	9.0	10.0	16,000	3	6.8	9,200	2.2	467302	77	
	AH18	16,200	11,400	9.0	10.0	16,000	3	6.8	10,200	2.2	467330	77	
	AH24	17,400	13,000	9.5	10.5	18,000	3	7	11,000	2.2	467338	77	
	ARPF024-00B-1*	17,400	13,000	9.5	10.5	17,000	3	7	11,000	2.22	517358	77	
	ARPT024-00*-1*	17,400	13,000	9.5	10.5	18,000	3	7	11,000	2.22	517376	77	
	ARUF018-00*-1*	17,000	11,700	9.0	10.0	17,400	3	6.8	10,600	2.22	517357	77	
	ARUF024-00*-1*	17,400	13,000	9.5	10.5	18,000	3	7	11,000	2.22	517370	77	
	AWB18-XX	16,200	11,400	9.0	10.0	17,000	3	6.8	10,200	2.2	467325	77	
	AWB24-XX	17,000	12,600	9.0	10.5	17,600	3	6.8	10,600	2.2	467300	77	
	CA*F018*2*+EEP	17,000	11,700	9.0	10.0	17,400	3	6.8	10,600	2.19	504120	77	
	CA*F024*2*+EEP	17,400	13,000	9.5	10.5	18,000	3	7	11,000	2.19	504121	77	
	CHPF024A2*+EEP	17,000	11,700	9.0	10.0	17,400	3	6.8	10,600	2.19	504123	77	
	CHPF030A2*+EEP	17,400	13,000	9.5	10.5	18,000	3	7	11,000	2.19	504124	77	
	H36F+EEP	17,400	13,000	9.5	10.5	18,000	3	7	11,000	2.2	467244	77	
CPLE24-1*	AC24-XX	21,800	16,000	9.0	10.0	21,400	3	6.8	12,000	2	467344	77	
	AC30-XX	22,800	17,400	9.5	10.5	22,800	3	7	13,000	2	467343	77	
	AH24	21,800	16,000	9.0	10.0	21,400	3	7	12,400	2	467334	77	
	AH30	22,400	17,000	9.0	10.0	22,400	3	7	13,000	2	467346	77	
	ARPF024-00B-1*	22,000	16,400	9.0	10.0	21,000	3	7	12,800	2.01	517354	77	
	ARPT024-00*-1*	22,000	16,400	9.0	10.0	21,000	3	7	12,800	2.01	517363	77	
	ARPT032-00*-1*	22,800	17,400	9.5	10.5	22,800	3	7	13,000	2.01	517361	77	
	ARUF024-00*-1*	22,000	16,400	9.0	10.0	22,000	3	7	12,800	2	517364	77	
	ARUF030-00*-1*	22,400	17,000	9.0	10.0	22,400	3	7	13,000	2	517356	77	
	AWB24-XX	21,800	16,000	9.0	10.0	21,800	3	7	12,400	2	467357	77	
	AWB30-XX	22,400	17,000	9.0	10.0	22,400	3	7	13,000	2	467297	77	
	AWB36-XX	22,800	17,400	9.5	10.5	22,800	3	7	13,000	2	467308	77	
	CA*F024*2*+EEP	22,000	16,400	9.0	10.0	22,000	3	7	12,800	2.01	504239	77	
	CA*F030*2*+EEP	22,800	17,400	9.5	10.5	22,800	3	7	13,000	2.01	504241	77	
	CHPF024A2*+EEP	22,000	16,400	9.0	10.0	22,000	3	7	12,800	2.01	504288	77	
	CHPF030A2*+EEP	22,800	17,400	9.5	10.5	22,800	3	7	13,000	2.01	504289	77	
	H36F+EEP	22,800	17,400	9.5	10.5	22,800	3	7	13,000	2	467247	77	
	AC30-XX	27,000	19,000	9.0	10.0	26,000	3	6.8	15,000	2	467296	77	
	CPLE30-1*	ARPF036-00B-1*	28,000	21,000	9.5	10.5	28,000	3	7	17,000	2.01	517360	77
ARPT032-00*-1*		28,000	21,000	9.5	10.5	29,000	3	7	17,000	2.01	517373	77	
ARUF030-00*-1*		27,400	19,400	9.0	10.0	28,600	3	6.8	16,600	2	517362	77	
ARUF032-00*-1*		28,000	21,000	9.5	10.5	29,000	3	7	17,000	2	517372	77	
AWB30-XX		27,400	19,400	9.0	10.0	28,000	3	6.8	16,000	2	467351	77	
AWB36-XX		28,000	21,000	9.5	10.5	29,000	3	7	17,000	2	467311	77	
CA*F024*2*+EEP		27,000	19,000	9.0	10.0	27,000	3	6.8	16,000	2.01	504240	77	
CA*F030*2*+EEP		28,000	21,000	9.5	10.5	29,000	3	7	17,000	2.01	504242	77	
CHPF030A2*+EEP		27,000	19,000	9.0	10.0	27,000	3	6.8	16,000	2.01	504290	77	
CHPF042B2*+EEP		28,000	21,000	9.5	10.5	29,000	3	7	17,000	2.01	504296	77	
H36F+EEP		27,400	19,400	9.5	10.5	28,600	3	6.8	16,600	2	467278	77	
H48F+EEP		28,000	21,000	9.5	10.5	29,000	3	7	17,000	2	467279	77	
CPLE36-1*		AC36-XX	32,600	22,900	9.0	10.0	31,000	2.8	6.8	17,000	2	467309	80
		ARPF036-00B-1*	32,600	22,900	9.0	10.0	31,000	2.82	6.8	17,000	2.01	517375	80
	ARPT036-00*-1*	33,000	23,400	9.0	10.0	33,000	3.09	7.3	18,600	2.1	517367	80	
	ARPT042-00*-1*	35,000	26,200	9.5	10.5	34,200	3.21	7.5	18,800	2.1	517371	80	
	ARUF036-00*-1*	33,000	23,400	9.0	10.0	33,000	3.08	7.3	18,600	2	517366	80	
	ARUF042-00*-1*	35,000	26,200	9.5	10.5	34,200	3.2	7.5	18,800	2.1	517369	80	
	AWB36-XX	33,000	23,400	9.0	10.0	33,000	3.1	7.3	18,600	2.1	467329	80	
	CA*F036*2*+EEP	33,000	23,200	9.0	10.0	33,000	3.09	7.3	18,600	2.1	504238	80	
	CA*F042*2*+EEP	35,000	26,200	9.5	10.5	33,200	3.18	7.5	18,800	2.1	504245	80	
	CHPF030A2*+EEP	33,000	23,400	9.0	10.0	33,000	3.09	7.3	18,600	2.1	504291	80	
	CHPF036B2*+EEP	32,000	22,500	9.0	10.0	33,000	3	7	17,600	2.01	504295	80	
	CHPF042B2*+EEP	34,000	24,400	9.0	10.0	33,200	3.09	7.3	18,800	2.1	504297	80	
	H49F+EEP	35,000	26,200	9.5	10.5	33,200	3.2	7.5	18,800	2.1	467277	80	
	CPLE42-1*	ARPF048-00B-1*	41,000	31,800	9.5	10.5	41,500	3.3	7.5	22,000	2.22	517359	80
ARPT042-00*-1*		40,000	29,600	9.0	10.0	40,000	3.21	7.5	20,800	2.1	517365	80	
ARPT049-00*-1*		41,000	31,800	9.5	10.5	41,500	3.3	7.5	22,000	2.22	517355	80	
ARUF048-00*-1*		40,000	31,600	9.0	10.0	41,000	3.2	7.5	21,000	2.1	517368	80	
ARUF049-00*-1*		41,000	31,800	9.5	10.5	41,500	3.3	7.5	22,000	2.22	517390	80	
CA*F048*2*+EEP		40,000	29,600	9.0	10.0	41,000	3.18	7.5	21,000	2.1	504249	80	
CHPF042B2*+EEP		39,000	29,000	9.0	10.0	39,000	3	7.3	20,000	2.01	504298	80	
CHPF048D2*+EEP		41,000	31,600	9.5	10.5	41,000	3.18	7.5	21,000	2.1	504301	80	
H49F+EEP		41,000	31,600	9.5	10.5	41,000	3.2	7.5	21,000	2.1	467291	80	

- 1) Certified per ARI 240 @ 80 °F/67 °F/95 °F
- 2) TVA Rating
- 3) Seasonal Energy Efficiency Ratio
- 4) Energy Efficiency Ratio @ 80 °F/67 °F/95 °F
- 5) HSPF = Heating Seasonal Performance Factor
- 6) Order the EEP from the Service Department using Part No. B13707-38 or new Solid State Board B13707-35S. Part No. B13707-38 is not interchangeable with B13707-35S.

When mix-matching outdoor and indoor units, the indoor unit check-flowrator must match the outdoor unit size.
See the AR series air handler for coil instructions.

PRODUCT SPECIFICATIONS

Performance Ratings (cont.)

Heat Pump	Coil or Air Handler	Total BTUH	Sensible BTUH	EER	SEER	47° F Heat Cap. (Btuh)	47° F Coeff. of Perf. (COP)	Region IV HSPF Rating	17° F Heat Cap. (Btuh)	17° F Coeff. of Perf. (COP)	ARI Ref. #	Decibels
CPLE48-1*	ARPF048-00B-1*	44,000	34,600	9.0	10.0	43,000	3.12	7.5	25,400	2.1	517380	80
	ARPF060-00B-1*	45,000	35,000	9.0	10.0	44,000	3.18	7.5	26,000	2.16	517396	80
	ARPT049-00*-1*	44,000	34,600	9.0	10.0	43,000	3.12	7.5	25,400	2.1	517384	80
	ARPT061-00*-1*	45,000	35,000	9.0	10.0	44,000	3.12	7.5	26,000	2.16	517385	80
	ARUF049-00*-1*	44,000	34,600	9.0	10.0	43,000	3.12	7.5	25,400	2.1	517379	80
	ARUF061-00*-1*	45,000	35,000	9.0	10.0	44,000	3.12	7.5	26,000	2.16	517383	80
	CA*F060*2*+EEP	44,000	34,600	9.0	10.0	43,000	3.09	7.5	25,400	2.1	516556	80
	CA*F061*2*+EEP	45,000	35,000	9.0	10.0	44,000	3.15	7.5	26,000	2.13	516565	80
	CHPF048D2*+EEP	44,000	34,600	9.0	10.0	43,000	3.09	7.5	25,400	2.1	516552	80
	CHPF060D2*+EEP	45,000	35,000	9.0	10.0	44,000	3.15	7.5	26,000	2.13	516570	80
	H60F+EEP	44,000	34,600	9.0	10.0	43,000	3.03	7.5	25,400	2.1	516559	80
	H61F+EEP	45,000	35,000	9.0	10.0	44,000	3.03	7.5	26,000	2.16	516560	80
CPLE48-3*	ARPF048-00B-1*	44,000	34,600	9.0	10.0	43,000	3.12	7.5	25,400	2.1	517393	80
	ARPF060-00B-1*	45,000	35,000	9.0	10.0	44,000	3.12	7.5	26,000	2.13	517395	80
	ARPT049-00*-1*	44,000	34,600	9.0	10.0	43,000	3.12	7.5	25,400	2.1	517391	80
	ARPT061-00*-1*	45,000	35,000	9.0	10.0	44,000	3.12	7.5	26,000	2.13	517389	80
	ARUF049-00*-1*	44,000	34,600	9.0	10.0	43,000	3.12	7.5	25,400	2.1	517381	80
	ARUF061-00*-1*	45,000	35,000	9.0	10.0	44,000	3.12	7.5	26,000	2.1	517392	80
	CA*F060*2*+EEP	44,000	34,600	9.0	10.0	43,000	3.09	7.5	25,400	2.1	516568	80
	CA*F061*2*+EEP	45,000	35,000	9.0	10.0	44,000	3.15	7.5	26,000	2.13	516554	80
	CHPF048D2*+EEP	44,000	34,600	9.0	10.0	43,000	3.09	7.5	25,400	2.1	516558	80
	CHPF060D2*+EEP	45,000	35,000	9.0	10.0	44,000	3.15	7.5	26,000	2.13	516585	80
	H60F+EEP	44,000	34,600	9.0	10.0	43,000	3.09	7.5	25,400	2.1	516572	80
	H61F+EEP	45,000	35,000	9.0	10.0	44,000	3.18	7.5	26,000	2.16	516587	80
CPLE60-1*	ARPF060-00B-1*	55,000	39,900	9.0	10.0	55,000	3.3	8	32,000	2.31	517387	77
	ARPT061-00*-1*	55,000	39,900	9.0	10.0	55,000	3.3	8	32,000	2.31	517386	77
	ARUF061-00*-1*	55,000	39,900	9.0	10.0	55,000	3.3	8	32,000	2.3	517388	77
	CA*F061*2*+EEP	54,000	39,900	9.0	10.0	52,000	3.3	8	32,000	2.28	516597	77
	CHPF060D2*+EEP	54,000	39,900	9.0	10.0	52,000	3.3	8	32,000	2.28	516574	77
	H61F+EEP	55,000	39,900	9.0	10.0	55,000	3.3	8	32,000	2.31	516579	77
CPLE60-3*	ARPF060-00B-1*	55,000	39,900	9.0	10.0	55,000	3.3	8	32,000	2.31	517397	77
	ARPT061-00*-1*	55,000	39,900	9.0	10.0	55,000	3.3	8	32,000	2.31	517382	77
	ARUF061-00*-1*	55,000	39,900	9.0	10.0	55,000	3.3	8	32,000	2.3	517394	77
	CA*F061*2*+EEP	54,000	39,900	9.0	10.0	52,000	3.3	8	32,000	2.28	516592	77
	CHPF060D2*+EEP	54,000	39,900	9.0	10.0	52,000	3.3	8	32,000	2.28	516590	77
	H61F+EEP	55,000	39,900	9.0	10.0	55,000	3.3	8	32,000	2.31	516589	77

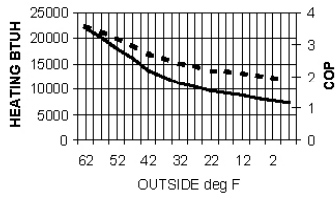
- 1) Certified per ARI 240 @ 80 °F/67 °F/95 °F
- 2) TVA Rating
- 3) Seasonal Energy Efficiency Ratio
- 4) Energy Efficiency Ratio @ 80 °F/67 °F/95 °F
- 5) HSPF = Heating Seasonal Performance Factor
- 6) Order the EEP from the Service Department using Part No. B13707-38 or new Solid State Board B13707-35S. Part No. B13707-38 is **not interchangeable** with B13707-35S.

When mix-matching outdoor and indoor units, the indoor unit check-flowrator must match the outdoor unit size.
See the AR series air handler for coil instructions.

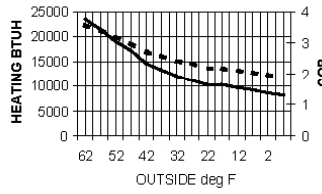
PRODUCT SPECIFICATIONS

Heating Performance Expanded Ratings @ 70 °F Indoor Ambient

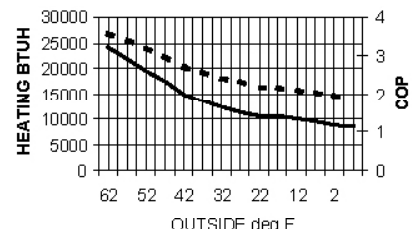
MODEL CPLE18-1* W: AC18-XX, AH18



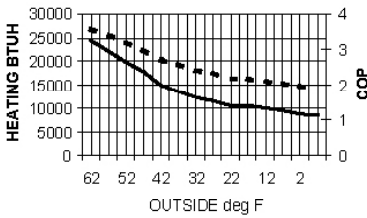
MODEL CPLE18-1* W: AWB18-XX



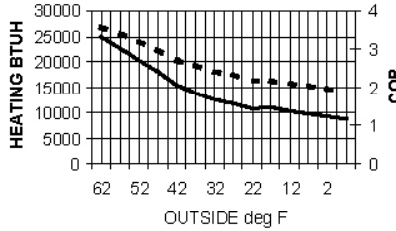
MODEL CPLE18-1* W: ARUF018



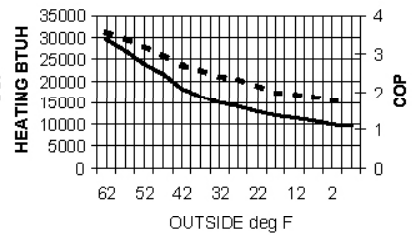
MODEL CPLE18-1* W: AWB24-XX



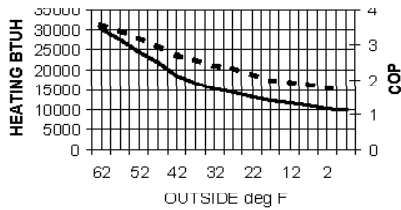
MODEL CPLE18-1* W: ARPF024/ARPT024, ARUF024, H36F+EEP



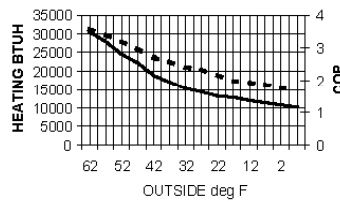
MODEL CPLE24-1* W: AC24-XX



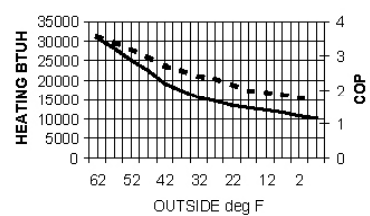
MODEL CPLE24-1* W: AWB24-XX



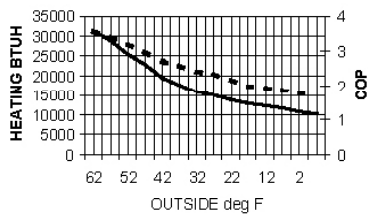
MODEL CPLE24-1* W: ARPF024, ARPT024, ARUF032, CA*F024*2*/CHPF024A2*+EEP



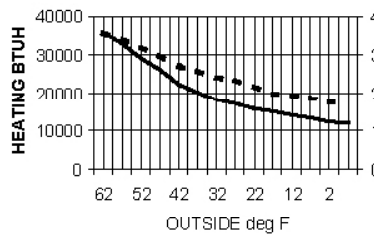
MODEL CPLE24-1* W: ARUF030, AWB30-XX



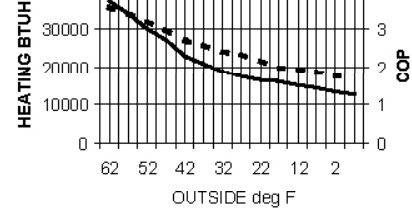
MODEL CPLE24-1* W: ARPF036/ARPT032, ARUF032, H36F+EEP, CA*F030*2*/CHPF030A2*+EEP



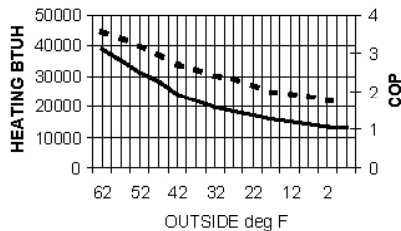
MODEL CPLE30-1* W: AC30-XX, AH30



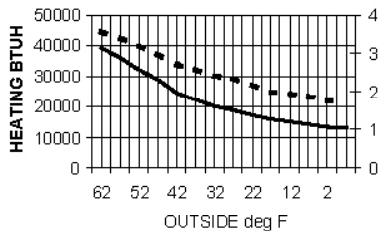
MODEL CPLE30-1* W: CA*F024*2*/CHPF030A2*+EEP



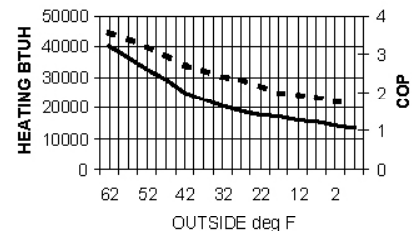
MODEL CPLE30-1* W: AWB30-XX



MODEL CPLE30-1* W: ARUF030, H36F+EEP



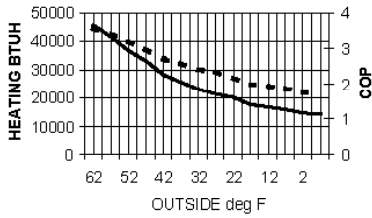
MODEL CPLE30-1* W: ARPF036/RPT032, ARUF032, 31+EEP, CA*F030*2*/CHPF030A2*+EEP



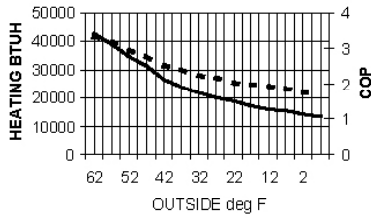
PRODUCT SPECIFICATIONS

Heating Performance Expanded Ratings @ 70 °F Indoor Ambient (cont.)

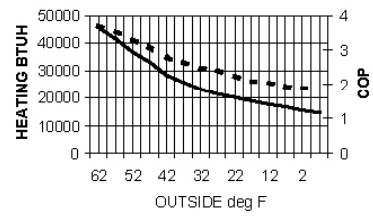
MODEL CPLE36-1* W: CHPF036B2*+EEP



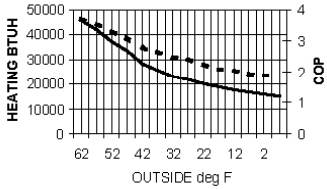
MODEL CPLE36-1* W: AC36-XX, AH36



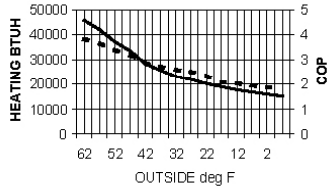
MODEL CPLE36-1* W: ARPT036/ARUF036, AWB36, CA*F036*2*/CHPF030A2*+EEP



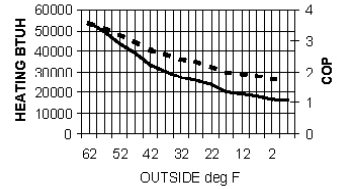
MODEL CPLE36-1* W: CHPF042B2*+EEP



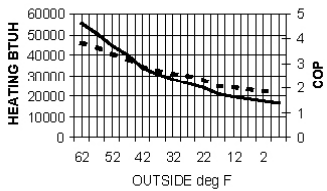
MODEL CPLE36-1* W: ARPT042/ARUF042, CA*F042*2*+EEP



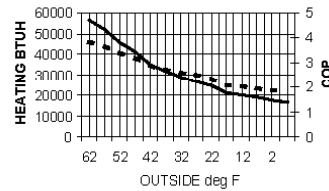
MODEL CPLE42-1* W: CHPF048D2*+EEP



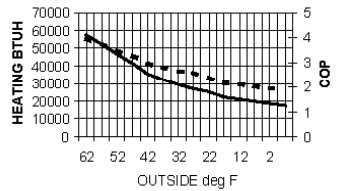
MODEL CPLE42-1* W: ARPT042/ARUF042



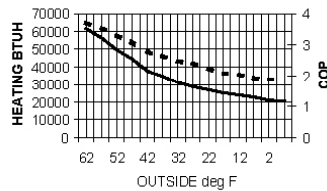
MODEL CPLE42-1* W: ARUF048, H49F+EEP CA*F048*2*/CHPF048D2*+EEP



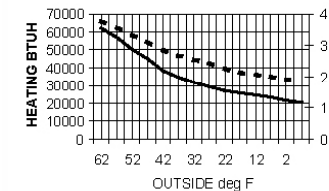
MODEL CPLE42-1* W: ARPF0498/ARPT049/ARUF049



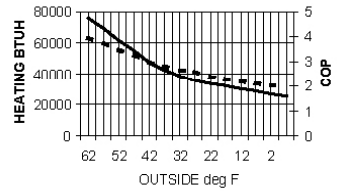
MODEL CPLE48-1* W: ARPF048/ARPT049/ARUF049, H60F+EEP, CA*F060*2*/CHPF048D2*+EEP



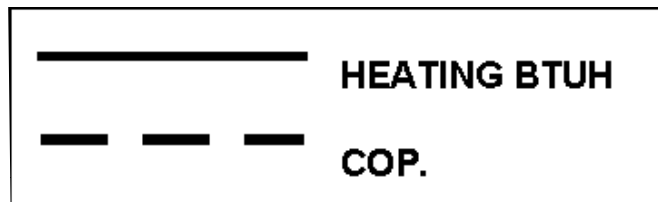
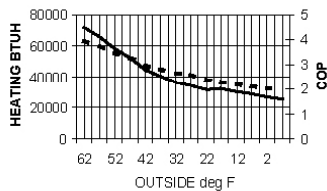
MODEL CPLE48-1* W: ARPF060/ARPT061/ARUF061, H61+EEP, CA*F060*2*/CHPF048D2*+EEP



MODEL CPLE60-1*/-3* W: ARPF060/ARPT061/ARUF061, H61F+EEP



MODEL CPLE60-1*/-3* W: CA*F060*2*/CHPF048D2*+EEP





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