

**10 SEER  
SPLIT SYSTEM  
HEAT PUMP  
1 1/2 THRU 5 TON**  
[5.28 to 17.56kw]



**Description / Application**

- “CPKE” outdoor section designed for ground level or rooftop mounting.
- “AR” indoor section versatile up, horizontal, or counterflow air flow designed for use with CPKE outdoor section. The “AR” unit may be located in closet, utility room, attic, or basement.
- “AW” & “AWB” vertical wall mount designed to be installed on top of water heater or recessed into wall in vertical upflow position.
- “U”, “UC”, “H” & “HT” fan-less indoor coils for add-on heat pump application.

**Accessories**

- Standard room thermostat with 2-stage heat-1 stage cool and emergency heat, Model HPT18-60.
- Automatic changeover room thermostat with 2-stage heat – 1-stage cool and emergency heat capability, Model HPTA18-60.
- Outdoor thermostats, Model OT18-60.
- Emergency heat relay, Model EF18-60.
- All fuel kit, Model AFE18-60.

**Standard Equipment**

- Quiet operating top discharge.
- Copper tube, aluminum finned coil construction.
- Brass suction and liquid shut off valve with sweat connections.
- Totally enclosed permanently lubricated condenser motor.
- Fully charged for 15’ [4.57m] feet of tubing length.
- Discharge line muffler.
- Low-pressure control for loss of charge protection.
- Hermetically sealed compressor.
- Bi-flow liquid line filter drier.
- Suction line accumulator.
- Check-flowrator expansion device.
- Crankcase heater (where indicated).
- Time initiate, temperature terminate defrost.
- Bottom pan rails elevating unit above slab.
- Compressor internal high-pressure control.

**Cabinet Construction**

- Beige baked enamel finish with 500-hour salt spray approval.
- Heavy gauge / zinc clad.

**COOLING AND HEATING PERFORMANCE DATA**

MODEL OUTDOOR SECTION	MODEL INDOOR SECTION	TOTAL COOLING BTUH (1)	SENSIBLE COOLING BTUH	(2) BTUH@ 75°F/63°F-95°F		COOLING SEER	COOLING EER (3)	HEATING BTUH 47°F	HEATING COP 47°F	HEATING BTUH 17°F	HEATING COP 17°F	HEATING HSPF	SOUND RATING BELS
				TOTAL	SENS								
CPKE18-1A	AH18/AC18-XX	16200	11400	15700	10800	10.00	9.00	16000	3.00	9200	2.20	6.80	8.0
	AW18-XX	16200	11400	15700	10800	10.00	9.00	17000	3.00	10200	2.20	6.80	
	AR18-1	17000	11700	15700	10800	10.00	9.00	17400	3.00	10600	2.20	6.80	
	HT1830/U18/UC18+EEP	17000	11700	15700	10800	10.00	9.00	17400	3.00	10600	2.20	6.80	
	AW24-XX	17000	12600	16400	12100	10.50	9.50	17600	3.00	10600	2.20	6.90	
	AR24-1	17400	13000	16400	12100	10.50	9.50	18000	3.00	11000	2.20	7.00	
	HT3236/H36F+EEP	17400	13000	16400	12100	10.50	9.50	18000	3.00	11000	2.20	7.00	
	UC29/U29+EEP	17400	13000	16400	12100	10.50	9.50	18000	3.00	11000	2.20	7.00	
CPKE24-1A	AH24/AC24-XX	21800	16000	22500	15500	10.00	9.00	21400	3.00	12000	2.00	6.80	8.0
	AW24-XX	21800	16000	22500	15500	10.00	9.00	21800	3.00	12400	2.00	7.00	
	AR24-1	22000	16400	22500	15500	10.00	9.00	22000	3.00	12800	2.00	7.00	
	HT1830/UC29+EEP	22000	16400	22500	15500	10.00	9.00	22000	3.00	12800	2.00	7.00	
	AR30-1	22400	17000	22100	16100	10.00	9.00	22400	3.00	13000	2.00	7.00	
	U30+EEP	22400	17000	22100	16100	10.00	9.00	22400	3.00	13000	2.00	7.00	
	AR32-1	22800	17400	22500	16300	10.50	9.50	22800	3.00	13000	2.00	7.00	
	U31/U32/UC32+EEP	22800	17400	22500	16300	10.50	9.50	22800	3.00	13000	2.00	7.00	
HT3236/H36F+EEP	22800	17400	22500	16300	10.50	9.50	22800	3.00	13000	2.00	7.00		
CPKE30-1	AC30-XX	27000	19000	26800	18000	10.00	9.00	26000	3.00	15000	2.00	6.80	8.0
	HT3236/U/UC29+EEP	27000	19000	26800	18000	10.00	9.00	27000	3.00	16000	2.00	6.80	
	AW30-XX	27400	19400	27000	18400	10.00	9.00	28000	3.00	16600	2.00	6.80	
	AR30-1	27400	19400	27000	18400	10.00	9.00	28600	3.00	16600	2.00	6.80	
	U30+EEP	27400	19400	27000	18400	10.00	9.00	28600	3.00	16600	2.00	6.80	
	H36F+EEP	27400	19400	27000	18400	10.50	9.50	28600	3.00	16600	2.00	6.80	
	AWB36-XX/AR32-1	28000	21000	27800	20200	10.50	9.50	29000	3.00	17000	2.00	7.00	
	HT4248/U31/H48F+EEP	28000	21000	27800	20200	10.50	9.50	29000	3.00	17000	2.00	7.00	
U32/UC32+EEP	28000	21000	27800	20200	10.50	9.50	29000	3.00	17000	2.00	7.00		
CPKE36-1A	HT36/U35/UC35+EEP	32000	22500	30600	23000	10.00	9.00	33000	3.00	17600	2.00	7.00	8.0
	HT36/AC36-XX	32600	22900	31150	23400	10.00	9.00	31000	2.80	17000	2.00	6.80	
	AWB36-XX/AR36-1	33000	23400	31500	23800	10.00	9.00	34000	3.10	18600	2.10	7.30	
	HT3236/U36/UC36+EEP	33000	23400	31500	23800	10.00	9.00	34000	3.10	18600	2.10	7.30	
	HT4248/H48F+EEP	34000	24400	31500	23800	10.00	9.00	34200	3.10	18800	2.10	7.30	
	AR42-1	35000	26200	32300	25500	10.50	9.50	34200	3.20	18800	2.10	7.50	
	U42/UC42/H49F+EEP	35000	26200	32300	25500	10.50	9.50	34200	3.20	18800	2.10	7.50	
	HT4248/U47/UC47+EEP	39000	29000	37000	28700	10.00	9.00	39000	3.00	20000	2.00	7.30	
CPKE42-1	AR42-1	40000	29600	37800	29200	10.00	9.00	40000	3.20	20800	2.10	7.50	8.4
	AR48-1	40000	31600	38700	30200	10.00	9.00	41000	3.20	21000	2.10	7.50	
	U/UC49/U/UC48+EEP	40000	31600	38700	30200	10.00	9.00	41000	3.20	21000	2.10	7.50	
	HT4860/H49F+EEP	41000	31600	38700	30200	10.50	9.50	41000	3.20	21000	2.10	7.50	
	AR49-1	41000	31800	38700	30200	10.50	9.50	41500	3.30	22000	2.20	7.50	
CKPE48-1/3	U62/UC62+EEP	45000	34300	42300	32000	10.00	9.00	44000	3.00	25000	2.00	7.50	8.4
	AR49-1	44000	34600	42500	32500	10.00	9.00	44500	3.10	25400	2.10	7.50	
	U60/UC60+EEP	44000	34600	42500	32500	10.00	9.00	44500	3.10	25400	2.10	7.50	
	HT4860/H60F+EEP	44000	34600	42500	32500	10.00	9.00	44500	3.10	25400	2.10	7.50	
	AR61-1	45000	35000	42500	32500	10.00	9.00	45000	3.15	26000	2.15	7.50	
	U61/UC61+EEP	45000	35000	42500	32500	10.00	9.00	45000	3.15	26000	2.15	7.50	
CPKE60-1A/-3A	HT61/H61F+EEP	45000	35000	42500	32500	10.00	9.00	45000	3.15	26000	2.15	7.50	8.4
	AR61-1	55000	39900	40600	37400	10.00	9.00	55000	3.30	32000	2.30	8.00	
	H61F+EEP	55000	39900	40600	37400	10.00	9.00	55000	3.30	32000	2.30	8.00	
	HT61/U61/UC61+EEP	54000	39900	40600	37400	10.50	9.50	52000	3.30	32000	2.30	8.00	

XX designates electric heat quantity.

HSPF = heating seasonal performance factor.

When mix matching outdoor and indoor units, the indoor unit check-flowrator must match the outdoor unit size.

See "AR" unit for coil instructions.

EEP - Order from service dept. part No. B13707-38. Unless used with a 1992 Goodman Gas Furnace which contains the EEP cooling time delay.

(1) Certified per ARI 210/240 @ 80°F/67°F -95°F

(2) TVA Rating

(3) Energy Efficiency Ratio @ 80°F/67°F -95°F

**ELECTRICAL DATA**

MODEL	VOLTS	PH	HZ	MINIMUM CIRCUIT AMPS	*MAXIMUM OVERCURRENT PROTECTION	MINIMUM VOLTS	MAXIMUM VOLTS	COMPRESSOR		COND. FAN	
								RLA	LRA	FLA	HP
†CPKE18-1A	208/230	1	60	11.6	20	197	253	8.3	48	1.3	1/6
CPKE24-1A	208/230	1	60	15.7	30	197	253	11.5	60	1.3	1/6
CPKE30-1	208/230	1	60	19.7	30	197	253	14.7	73	1.3	1/6
†CPKE36-1A	208/230	1	60	23.4	40	197	253	17.3	89	1.8	1/4
†CPKE42-1	208/230	1	60	25.8	40	197	253	19.2	97	1.8	1/4
†CPKE48-1	208/230	1	60	26.8	40	197	253	20.0	110	1.8	1/4
†CPKE48-3	208/230	3	60	17.8	30	197	253	12.8	78	1.8	1/4
CPKE60-1A	208/230	1	60	33.0	50	197	253	25.0	150	1.8	1/4
CPKE60-3A	208/230	3	60	21.1	30	197	253	15.5	124	1.8	1/4

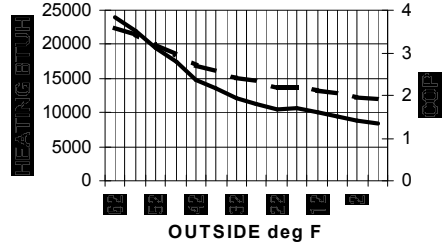
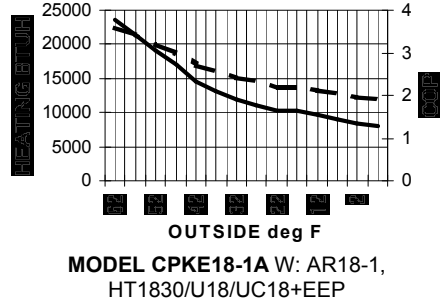
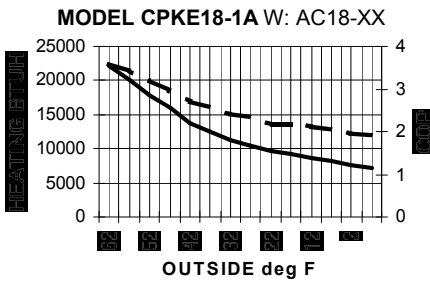
\*May use fuses or HACR type Circuit Breakers of the same size as noted.

+ With Crankcase Heat.

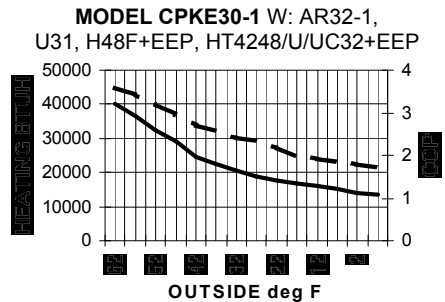
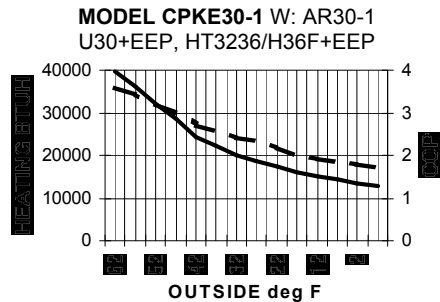
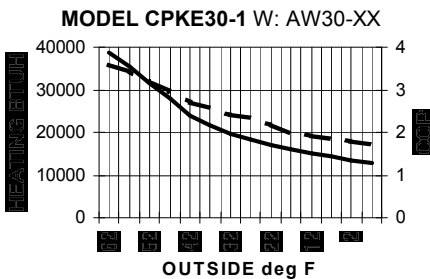
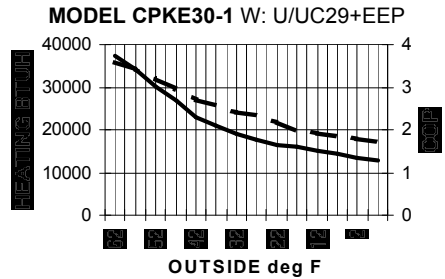
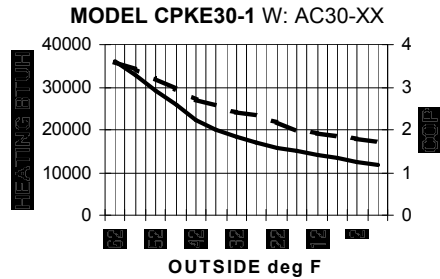
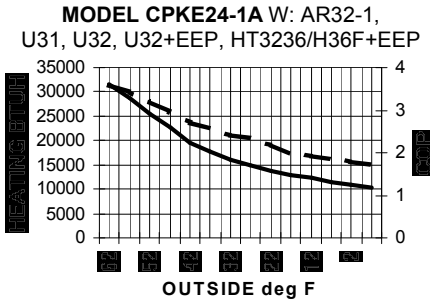
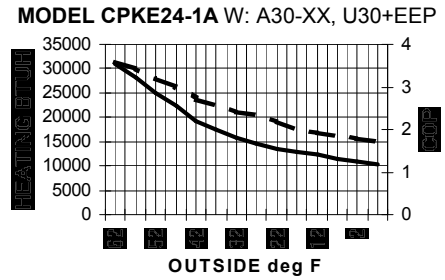
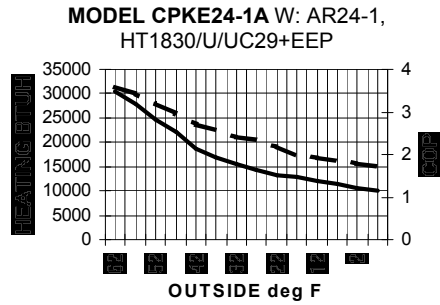
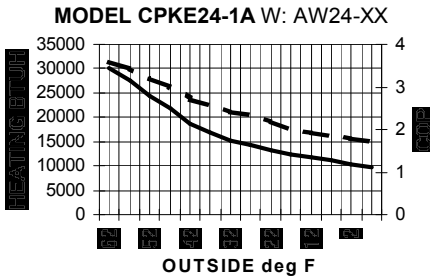
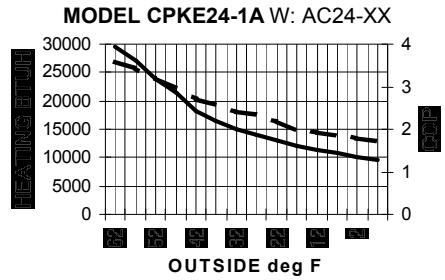
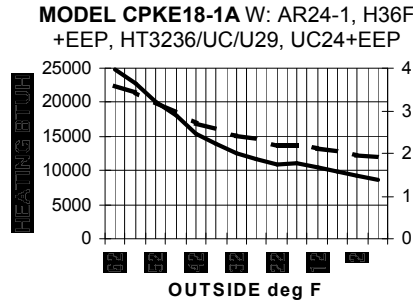
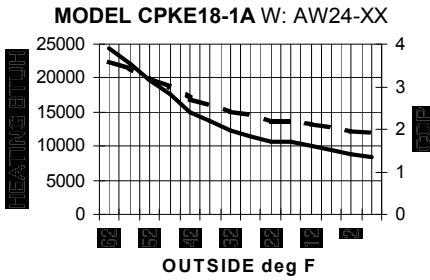
**COOLING AND HEATING PERFORMANCE DATA [METRIC]**

MODEL OUTDOOR SECTION	MODEL INDOOR SECTION	TOTAL COOLING KW (1)	SENSIBLE COOLING KW	(2) KW @ 24°C/17°C-35°C		COOLING SEER	COOLING EER (3)	HEATING KW 8.3°C	HEATING COP 8.3°C	HEATING KW -8.3°C	HEATING COP -8.3°C	HEATING HSPF	SOUND RATING BELS
				TOTAL	SENS								
CPKE18-1A	AH18/AC18-XX	4.7	3.3	4.6	3.2	10.00	9.00	4.7	3.00	2.7	2.20	6.80	8.0
	AW18-XX	4.7	3.3	4.6	3.2	10.00	9.00	5.0	3.00	3.0	2.20	6.80	
	AR18-1	5.0	3.4	4.6	3.2	10.00	9.00	5.1	3.00	3.1	2.20	6.80	
	HT1830/U18/UC18+EEP	5.0	3.4	4.6	3.2	10.00	9.00	5.1	3.00	3.1	2.20	6.80	
	AW24-XX	5.0	3.7	4.8	3.5	10.50	9.50	5.2	3.00	3.1	2.20	6.90	
	AR24-1	5.1	3.8	4.8	3.5	10.50	9.50	5.3	3.00	3.2	2.20	7.00	
	HT3236/H36F+EEP	5.1	3.8	4.8	3.5	10.50	9.50	5.3	3.00	3.2	2.20	7.00	
UC29/U29+EEP	5.1	3.8	4.8	3.5	10.50	9.50	5.3	3.00	3.2	2.20	7.00		
CPKE24-1A	AH24/AC24-XX	6.3	4.7	6.6	4.5	10.00	9.00	6.3	3.00	3.5	2.00	6.80	8.0
	AW24-XX	6.3	4.7	6.6	4.5	10.00	9.00	6.4	3.00	3.6	2.00	7.00	
	AR24-1	6.4	4.8	6.6	4.5	10.00	9.00	6.4	3.00	3.7	2.00	7.00	
	HT1830/UC29+EEP	6.4	4.8	6.6	4.5	10.00	9.00	6.4	3.00	3.7	2.00	7.00	
	AR30-1	6.6	5.0	6.5	4.7	10.00	9.00	6.6	3.00	3.8	2.00	7.00	
	U30+EEP	6.6	5.0	6.5	4.7	10.00	9.00	6.6	3.00	3.8	2.00	7.00	
	AR32-1	6.7	5.1	6.6	4.8	10.50	9.50	6.7	3.00	3.8	2.00	7.00	
	U31/U32/UC32+EEP	6.7	5.1	6.6	4.8	10.50	9.50	6.7	3.00	3.8	2.00	7.00	
	HT3236/H36F+EEP	6.7	5.1	6.6	4.8	10.50	9.50	6.7	3.00	3.8	2.00	7.00	
UC32+EEP	6.7	5.1	6.6	4.8	10.50	9.50	6.7	3.00	3.8	2.00	7.00		
CPKE30-1	AC30-XX	7.9	5.6	7.8	5.3	10.00	9.00	7.6	3.00	4.4	2.00	6.80	8.0
	HT3236/UC29+EEP	7.9	5.6	7.8	5.3	10.00	9.00	7.9	3.00	4.7	2.00	6.80	
	AW30-XX	8.0	5.7	7.9	5.4	10.00	9.00	8.2	3.00	4.9	2.00	6.80	
	AR30-1	8.0	5.7	7.9	5.4	10.00	9.00	8.4	3.00	4.9	2.00	6.80	
	U30+EEP	8.0	5.7	7.9	5.4	10.00	9.00	8.4	3.00	4.9	2.00	6.80	
	H36F+EEP	8.0	5.7	7.9	5.4	10.50	9.50	8.4	3.00	4.9	2.00	6.80	
	AWB36-XX/AR32-1	8.2	6.1	8.1	5.9	10.50	9.50	8.5	3.00	5.0	2.00	7.00	
	HT4248/U31/H48F+EEP	8.2	6.1	8.1	5.9	10.50	9.50	8.5	3.00	5.0	2.00	7.00	
	U32/UC32+EEP	8.2	6.1	8.1	5.9	10.50	9.50	8.5	3.00	5.0	2.00	7.00	
CPKE36-1A	HT36/U35/UC35+EEP	9.4	6.6	9.0	6.7	10.00	9.00	9.7	3.00	5.1	2.00	7.00	8.0
	HT36/AC36-XX	9.6	6.7	9.1	6.9	10.00	9.00	9.1	2.80	5.0	2.00	6.80	
	AW3642-XX/AR36-1	9.7	6.9	9.2	7.0	10.00	9.00	10.0	3.10	5.4	2.10	7.30	
	HT3236/U36/UC36+EEP	9.7	6.9	9.2	7.0	10.00	9.00	10.0	3.10	5.4	2.10	7.30	
	HT4248/H48F+EEP	10.0	7.2	9.2	7.0	10.00	9.00	10.0	3.10	5.5	2.10	7.30	
	AR42-1	10.3	7.7	9.5	7.5	10.50	9.50	10.0	3.20	5.5	2.10	7.50	
U42/UC42/H49F+EEP	10.3	7.7	9.5	7.5	10.50	9.50	10.0	3.20	5.5	2.10	7.50		
CPKE42-1	HT4248/U47/UC47+EEP	11.4	8.5	10.8	8.4	10.00	9.00	11.4	3.00	5.9	2.00	7.30	8.4
	AR42-1	11.7	8.7	11.1	8.6	10.00	9.00	11.7	3.20	6.1	2.10	7.50	
	AR48-1	11.7	9.3	11.3	8.9	10.00	9.00	12.0	3.20	6.1	2.10	7.50	
	U/UC49/U/UC48+EEP	11.7	9.3	11.3	8.9	10.00	9.00	12.0	3.20	6.1	2.10	7.50	
	HT4860/H49F+EEP	12.0	9.3	11.3	8.9	10.50	9.50	12.0	3.20	6.1	2.10	7.50	
	AR49-1	12.0	9.3	11.3	8.9	10.50	9.50	12.1	3.30	6.4	2.20	7.50	
CKPE48-1/3	U62/UC62+EEP	13.2	10.0	12.4	9.4	10.00	9.00	12.9	3.00	7.3	2.00	7.50	8.4
	AR49-1	12.9	10.1	12.5	9.5	10.00	9.00	13.0	3.10	7.4	2.10	7.50	
	U60/UC60+EEP	12.9	10.1	12.5	9.5	10.00	9.00	13.0	3.10	7.4	2.10	7.50	
	HT4860/H60F+EEP	12.9	10.1	12.5	9.5	10.00	9.00	13.0	3.10	7.4	2.10	7.50	
	AR61-1	12.9	10.1	12.5	9.5	10.00	9.00	13.0	3.15	7.6	2.15	7.50	
	U61/UC61+EEP	13.2	10.3	12.5	9.5	10.00	9.00	13.2	3.15	7.6	2.15	7.50	
HT61/H61F+EEP	13.2	10.3	12.5	9.5	10.00	9.00	13.2	3.15	7.6	2.15	7.50		
CPKE60-1A/ 3A	AR61-1	16.1	11.7	11.9	11.0	10.00	9.00	16.1	3.30	9.4	2.30	8.00	8.4
	H61F+EEP	16.1	11.7	11.9	11.0	10.00	9.00	16.1	3.30	9.4	2.30	8.00	
	HT61/U61/UC61+EEP	15.8	11.7	11.9	11.0	10.50	9.50	15.2	3.30	9.4	2.30	8.00	

# HEATING PERFORMANCE EXPANDED RATINGS @ 70° INDOOR AMBIENT

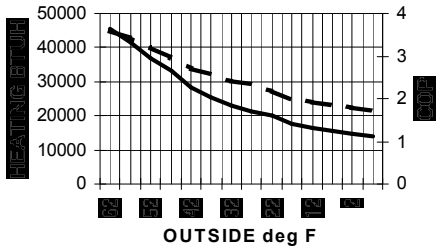


**MODEL CPKE18-1A W: AW18-XX**

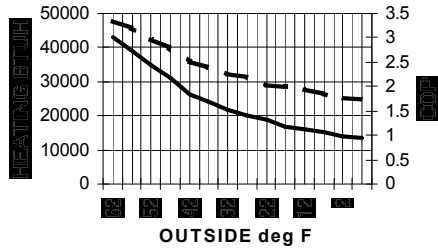


# HEATING PERFORMANCE EXPANDED RATINGS @ 70° INDOOR AMBIENT

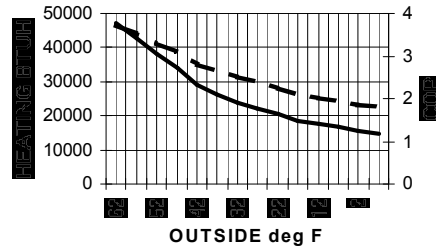
**MODEL CPKE36-1A W: HT36/U/UC35+EEP**



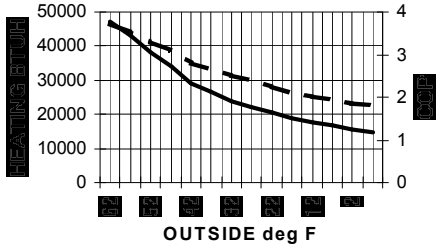
**MODEL CPKE36-1A W: AC36-XX**



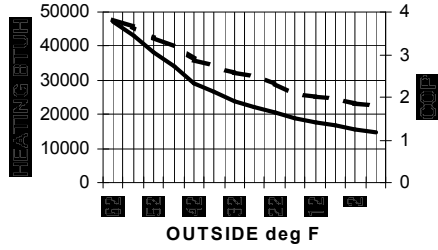
**MODEL CPKE36-1A W: AR36-1, HT3236/U36/UC36+EEP**



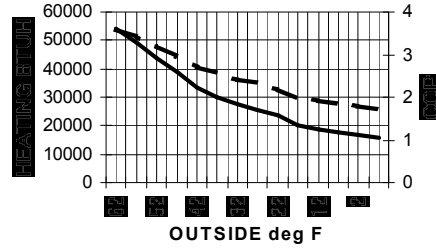
**MODEL CPKE36-1A W: HT4248/H48F+EEP**



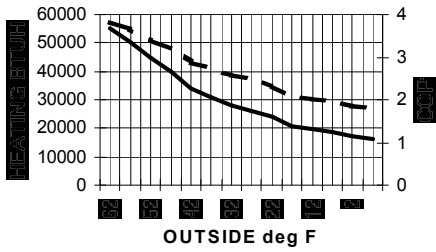
**MODEL CPKE36-1A W: AR42-1, U42/UC42, H49F+EEP**



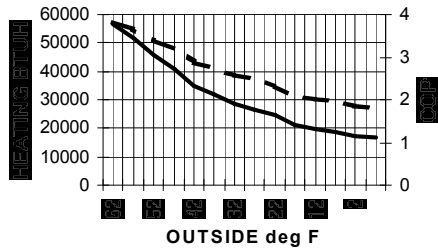
**MODEL CPKE42-1 W: HT4248/U/UC47+EEP**



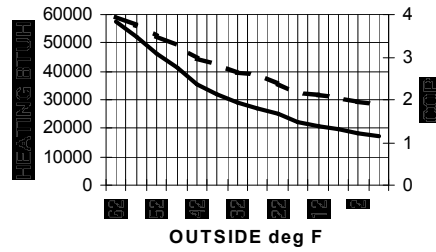
**MODEL CPKE42-1 W: AR42-1**



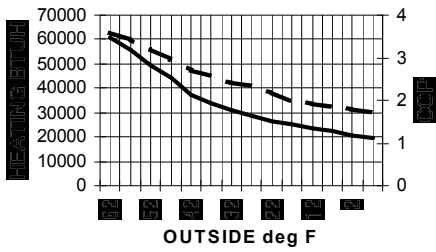
**MODEL CPKE42-1 W: AR48-1, U/UC49, HT4860/U/UC48+EEP, H49F+EEP**



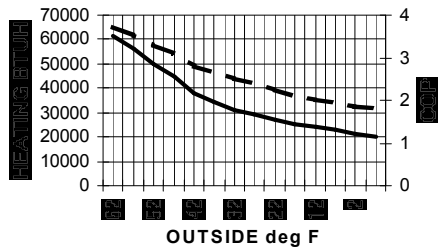
**MODEL CPKE42-1 W: AR49-1**



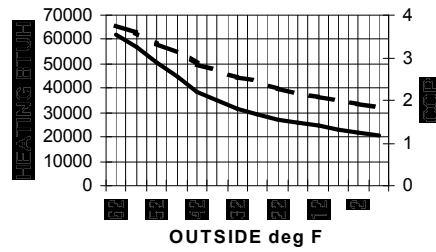
**MODEL CPKE48-1/-3 W: U/UC62+EEP**



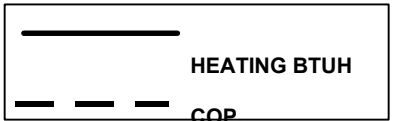
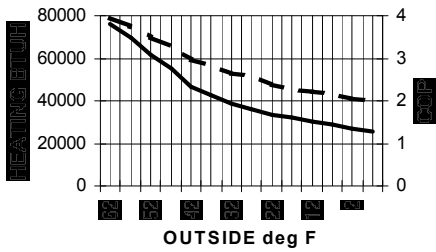
**MODEL CPKE48-1/-3 W: AR49-1, HT4860/U60/UC60+EEP, H60F+EEP**



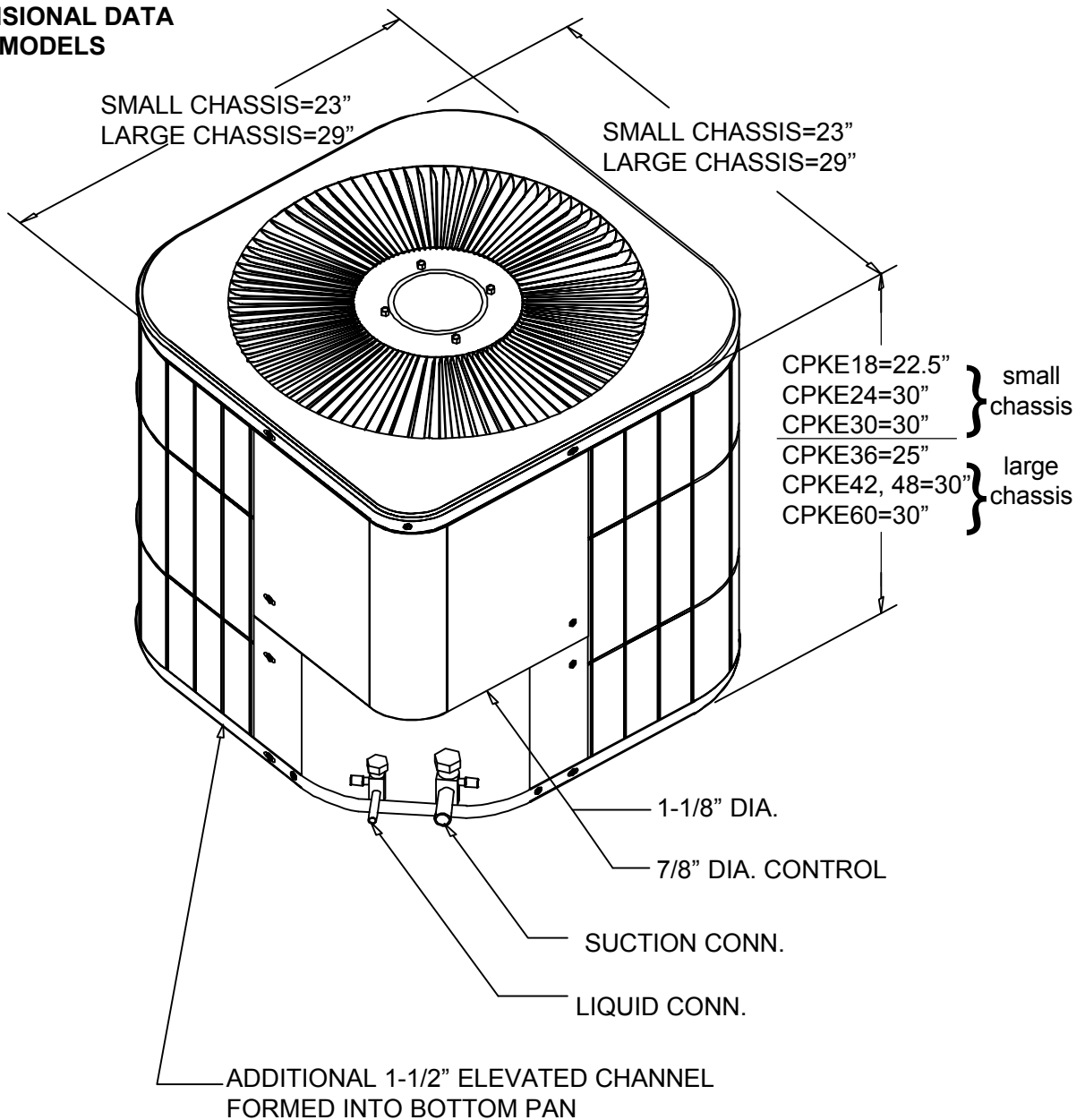
**MODEL CPKE48-1/-3 W: AR61-1, HT61/U61/UC61+EEP, H61+EEP**



**MODEL CPKE60-1/-1A/-3/-3A W: AR61-1, H61F, HT61/U/UC61+EEP**



**DIMENSIONAL DATA  
CPKE MODELS**



MODEL	LIQUID CONNECTION	SUCTION CONNECTION	TYPE	APPROX. SHIPPING WT.
CPKE18-1A	3/8	3/4	Sweat	127
CPKE24-1A	3/8	3/4	Sweat	137
CPKE30-1	3/8	3/4	Sweat	142
CPKE36-1A	3/8	3/4	Sweat	152
CPKE42-1	3/8	7/8	Sweat	162
CPKE48-1	3/8	7/8	Sweat	178
CPKE48-3	3/8	7/8	Sweat	178
CPKE60-1	3/8	7/8	Sweat	210
CPKE60-1A	3/8	7/8	Sweat	210
CPKE60-3	3/8	7/8	Sweat	210
CPKE60-3A	3/8	7/8	Sweat	210

**NOTE: SPECIFICATION AND PERFORMANCE DATA LISTED HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE.**