



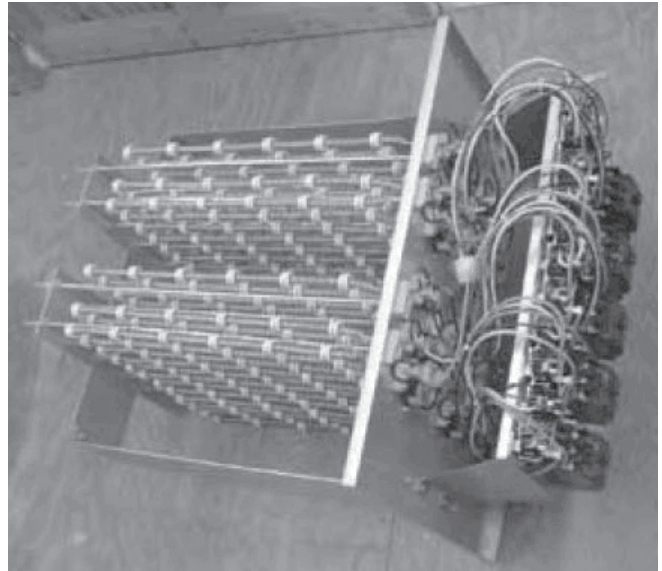
Air Conditioning & Heating

EHK SERIES

ELECTRIC HEAT KITS FOR COMMERCIAL PACKAGED ELECTRIC UNITS

Product Features

- Sequencers for better temperature control
- Multiple branch circuit capability
- Completely assembled and tested
- Built-in overcurrent protection on all units (as indicated in the Electrical Data)
- Control circuitry arranged to readily permit staging
- Fuse link secondary high-temperature limit control
- Plug-in wiring harness for ease on installation into air handler
- Rust-resistant nickel chromium heat elements
- ETL Listed



* Complete warranty details available from your local dealer or at www.goodmanmfg.com.

NOMENCLATURE

		EHK	3	10	A		
		1	2	3	11		
Unit Type	EHK Heat Kits for Commercial Units					Revisions Engineering Revisions	
Phase						Nominal Capacity	
3	Three-phase @ 208/240 volts			10	10 kW	31	28.8 kW
4	480-volt units			15	15 kW	45	43 kW
				16	15 kW	46	43.2 kW



ELECTRIC HEAT KITS FOR CPC/CPH PACKAGED UNITS — 3 TO 6 TONS

CPC 3- TO 6-TON UNITS — HEAT KIT USAGE

SINGLE-PHASE UNITS @ 208 / 240V

MODEL	MCA ¹	MOP ² (AMPS)	KW & BTU/H	RECOMMENDED AIRFLOW RANGE
CPC036***1D	25	40		
EHK1-10	48 / 55	50 / 60	10	1250-1350 CFM
EHK1-15	70 / 81	80 / 90	15	1400-1440 CFM
CPC048***1D***	29	45		
EHK1-10	48 / 56	50 / 60	10	1400-1800 CFM
EHK1-15	71 / 82	80 / 90	15	1575-1800 CFM
EHK1-18	84 / 97	90 / 100	18	1575-1800 CFM
CPC060***1D***	42	60		
EHK1-10	53 / 62	60 / 70	10	1750-2250 CFM
EHK1-15	76 / 88	80 / 90	15	1750-2250 CFM
EHK1-20	99 / 114	100 / 120	20	1850-2250 CFM

THREE-PHASE UNITS @ 208 / 240V

MODEL	MCA ¹	MOP ² (AMPS)	KW & BTU/H	RECOMMENDED AIRFLOW RANGE
CPC036***3D	17	25		
EHK1-10	29 / 33	30 / 35	10	1250-1350 CFM
EHK1-15	42 / 48	45 / 50	15	1400-1440 CFM
CPC036***3B	18	25		
EHK3-10	30 / 33	35 / 35	10	1250-1350 CFM
EHK3-15	43 / 48	45 / 50	15	1400-1440 CFM
CPC048***3D	21	30		
EHK3-10	29 / 34	35 / 35	10	1400-1800 CFM
EHK3-15	42 / 49	45 / 50	15	1575-1800 CFM
EHK3-18	50 / 58	60 / 60	18	1575-1800 CFM
CPC048***3B	22	30		
EHK3-10	30 / 35	35 / 35	10	1400-1800 CFM
EHK3-15	43 / 50	45 / 50	15	1575-1800 CFM
EHK3-18	51 / 59	60 / 60	18	1575-1800 CFM
CPC060***3D	29	45		
EHK3-10	34 / 40	35 / 45	10	1750-2250 CFM
EHK3-15	47 / 55	50 / 60	15	1750-2250 CFM
EHK3-20	60 / 70	70 / 70	20	1850-2250 CFM
CPC060***3B	25	40		
EHK3-10	30 / 35	35 / 40	10	1750-2250 CFM
EHK3-15	43 / 50	45 / 50	15	1750-2250 CFM
EHK3-20	56 / 65	60 / 70	20	1850-2250 CFM
CPC072***3B	31	45		
EHK3-10	36	45	10	2,100-2,700 CFM
EHK3-15	51	60	15	2,100-2,700 CFM
EHK3-20	66	70	20	2,100-2,700 CFM
EHK3-25	81	90	25	2,100-2,700 CFM

¹ Minimum Circuit Ampacity

² Maximum Overcurrent Protection device

CPH 3- TO 6-TON UNITS — HEAT KIT USAGE

SINGLE-PHASE UNITS @ 208 / 240V

MODEL	MCA ¹	MOP ² (AMPS)	KW & BTU/H	RECOMMENDED AIRFLOW RANGE
CPH036***1D	25	40		
EHK1-10	67 / 77	70 / 80	10	1250-1350 CFM
EHK1-15	89 / 103	90 / 110	15	1400-1440 CFM
CPH048***1D***	29	45		
EHK1-10	70 / 81	80 / 90	10	1400-1800 CFM
EHK1-15	93 / 107	100 / 110	15	1575-1800 CFM
EHK1-18	107 / 123	110 / 125	18	1575-1800 CFM
CPH060***1D***	42	60		
EHK1-10	82 / 94	90 / 110	10	1750-2250 CFM
EHK1-15	104 / 120	110 / 125	15	1750-2250 CFM
EHK1-20	127 / 146	150 / 150	20	1850-2250 CFM

THREE-PHASE UNITS @ 208 / 240V

MODEL	MCA ¹	MOP ² (AMPS)	KW & BTU/H	RECOMMENDED AIRFLOW RANGE
CPH036***3D	17	25		
EHK3-10	41 / 47	45 / 50	10	1250-1350 CFM
EHK3-15	54 / 62	60 / 70	15	1400-1440 CFM
CPH036***3B	18	25		
EHK3-10	42 / 48	45 / 50	10	1250-1350 CFM
EHK3-15	55 / 63	60 / 70	15	1400-1440 CFM
CPH048***3D	21	30		
EHK3-10	44 / 51	45 / 60	10	1400-1800 CFM
EHK3-15	57 / 66	60 / 70	15	1575-1800 CFM
EHK3-18	65 / 75	70 / 80	18	1575-1800 CFM
CPH048***3B	22	30		
EHK3-10	45 / 52	45 / 60	10	1400-1800 CFM
EHK3-15	58 / 67	60 / 70	15	1575-1800 CFM
EHK3-18	66 / 76	70 / 80	18	1575-1800 CFM
CPH060***3D	29	45		
EHK3-10	51 / 59	60 / 60	10	1750-2250 CFM
EHK3-15	64 / 74	70 / 80	15	1750-2250 CFM
EHK3-20	77 / 89	80 / 90	20	1850-2250 CFM
CPH060***3B	25	40		
EHK3-10	48 / 55	50 / 60	10	1750-2250 CFM
EHK3-15	61 / 70	70 / 80	15	1750-2250 CFM
EHK3-20	74 / 85	80 / 90	20	1850-2250 CFM
CPH072***3B	31	45		
EHK3-10	61	70	10	2,100-2,700 CFM
EHK3-15	76	80	15	2,100-2,700 CFM
EHK3-20	91	100	20	2,100-2,700 CFM
EHK3-25	106	110	25	2,100-2,700 CFM

¹ Minimum Circuit Ampacity

² Maximum Overcurrent Protection device

ELECTRIC HEAT KITS FOR CPC/CPH PACKAGED UNITS — 3 TO 6 TONS (CONT.)

CPC 3- TO 6-TON UNITS — HEAT KIT USAGE

480-VOLT UNITS @ 480V

MODEL	MCA ¹	MOP ² (AMPS)	KW & BTU/H	RECOMMENDED AIRFLOW RANGE
CPC036***4B***	10	15		
EHK4-10	17	20	10	1250-1350 CFM
EHK4-15	25	25	15	1400-1440 CFM
CPC048***4B***	10	15		
EHK4-10	17	20	10	1400-1800 CFM
EHK4-15	25	25	15	1575-1800 CFM
EHK4-18	29	30	18	1575-1800 CFM
CPC060***4B***	12	20		
EHK4-10	19	20	10	1750-2250 CFM
EHK4-15	25	25	15	1750-2250 CFM
EHK4-20	35	35	20	1850-2250 CFM
CPC072***4B***	16	25		
EHK4-10	18	25	10	2,100-2,700 CFM
EHK4-15	26	30	15	2,100-2,700 CFM
EHK4-20	33	35	20	2,100-2,700 CFM
EHK4-25	41	45	25	2,100-2,700 CFM

575-VOLT UNITS @ 575V

MODEL	MCA ¹	MOP ² (AMPS)	KW & BTU/H	RECOMMENDED AIRFLOW RANGE
CPC036***7B***	8	15		
EHK7-10	15	20	10	1250-1350 CFM
EHK7-15	22	25	15	1400-1440 CFM
CPC048***7B***	8	15		
EHK7-10	15	20	10	1400-1800 CFM
EHK7-15	22	25	15	1575-1800 CFM
EHK7-18	25	30	18	1575-1800 CFM
CPC060***7B***	10	15		
EHK7-10	15	20	10	1750-2250 CFM
EHK7-15	22	25	15	1750-2250 CFM
EHK7-20	28	30	20	1850-2250 CFM
CPC072***7B***	13	15		
EHK7-10	15	20	10	2,100-2,700 CFM
EHK7-15	22	25	15	2,100-2,700 CFM
EHK7-20	28	30	20	2,100-2,700 CFM
EHK7-25	34	35	25	2,100-2,700 CFM

¹ Minimum Circuit Ampacity

² Maximum Overcurrent Protection device

CPH 3- TO 6-TON UNITS — HEAT KIT USAGE

480-VOLT UNITS @ 480V

MODEL	MCA ¹	MOP ² (AMPS)	KW & BTU/H	RECOMMENDED AIRFLOW RANGE
CPH036***4B***	10	15		
EHK4-10	25	25	10	1250-1350 CFM
EHK4-15	33	35	15	1400-1440 CFM
CPH048***4B***	10	15		
EHK4-10	25	30	10	1400-1800 CFM
EHK4-15	33	35	15	1575-1800 CFM
EHK4-18	37	40	18	1575-1800 CFM
CPH060***4B***	12	20		
EHK4-10	27	30	10	1750-2250 CFM
EHK4-15	35	40	15	1750-2250 CFM
EHK4-20	43	45	20	1850-2250 CFM
CPH072***4B***	16	25		
EHK4-10	31	35	10	2,100-2,700 CFM
EHK4-15	38	40	15	2,100-2,700 CFM
EHK4-20	46	50	20	2,100-2,700 CFM
EHK4-25	53	60	25	2,100-2,700 CFM

575-VOLT UNITS @ 575V

MODEL	MCA ¹	MOP ² (AMPS)	KW & BTU/H	RECOMMENDED AIRFLOW RANGE
CPH036***7B***	8	15		
EHK7-10	20	25	10	1400-1475 CFM
EHK7-15	26	30	15	1575-1650 CFM
CPH048***7B***	8	15		
EHK7-10	21	25	10	1400-1800 CFM
EHK7-15	27	30	15	1575-1800 CFM
EHK7-18	31	35	18	1575-1800 CFM
CPH060***7B***	10	15		
EHK7-10	23	25	10	1750-2250 CFM
EHK7-15	29	30	15	1750-2250 CFM
EHK7-20	35	40	20	1850-2250 CFM
CPH072***7B***	13	15		
EHK7-10	25	30	10	2,100-2,700 CFM
EHK7-15	31	35	15	2,100-2,700 CFM
EHK7-20	38	40	20	2,100-2,700 CFM
EHK7-25	44	45	25	2,100-2,700 CFM

¹ Minimum Circuit Ampacity

² Maximum Overcurrent Protection device

ELECTRIC HEAT KITS FOR CPC/CPH PACKAGED UNITS — 7½ TO 12½ TONS

DCC 7½- TO 12½-TON UNITS — HEAT KIT USAGE

THREE-PHASE UNITS @ 208 / 240V

MODEL	MCA ¹	MOP ² (AMPS)	KW & BTU/H	RECOMMENDED AIRFLOW RANGE
DCC090***3B***	40	50		
EHK3-16	48 / 55	50 / 60	15	3000-3375 CFM
EHK3-30	87 / 100	90 / 100	30	3000-3375 CFM
EHK3-45	121 / 139	125 / 150	43	3000-3375 CFM
DCC102***3B***	43	50		
EHK3-16	55	60	15	3400 - 3825 CFM
EHK3-30	100	100	30	3400 - 3825 CFM
EHK3-45	139	150	43	3400 - 3825 CFM
DCC120***3B/V***	49	60		
EHK3-16	48 / 55	50 / 60	15	3,500-4,500 CFM
EHK3-30	87 / 100	90 / 100	30	3,500-4,500 CFM
EHK3-45	121 / 139	125 / 150	43	4,000-4,500 CFM
DCC150***3B***	65	80		
EHK3-16	65	80	15	4,000-5,600 CFM
EHK3-30	102	110	30	4,300-5,600 CFM
EHK3-45	141	150	43	4,500-5,600 CFM

480-VOLT UNITS @ 480V

MODEL	MCA ¹	MOP ² (AMPS)	KW & BTU/H	RECOMMENDED AIRFLOW RANGE
DCC090***4B***	19	25		
EHK4-16	27	30	15	3000-3375 CFM
EHK4-30	50	50	30	3000-3375 CFM
EHK4-45	70	70	43	3000-3375 CFM
DCC102***4B***	20	25		
EHK4-16	27	30	15	3400 - 3825 CFM
EHK4-30	50	50	30	3400 - 3825 CFM
EHK4-45	70	70	43	3400 - 3825 CFM
DCC120***4B/V***	24	30		
EHK4-16	27	30	15	3,500-4,500 CFM
EHK4-30	50	50	30	3,500-4,500 CFM
EHK4-45	70	70	43	4,000-4,500 CFM
DCC150***4B***	31	40		
EHK4-16	31	40	15	4,000-5,600 CFM
EHK4-30	51	60	30	4,300-5,600 CFM
EHK4-45	71	80	43	4,500-5,600 CFM

¹ Minimum Circuit Ampacity

² Maximum Overcurrent Protection device

DCH 7½- TO 12½-TON UNITS — HEAT KIT USAGE

THREE-PHASE UNITS @ 208 / 240V

MODEL	MCA ¹	MOP ² (AMPS)	KW & BTU/H	RECOMMENDED AIRFLOW RANGE
DCH090***3B***	40	50		
EHK3-16	74 / 85	80 / 90	15	3000-3375 CFM
EHK3-30	113 / 130	120 / 150	30	3000-3375 CFM
EHK3-45	147 / 169	150 / 175	43	3000-3375 CFM
DCH102***3B***	43	50		
EHK3-16	88	90	15	3400 - 3825 CFM
EHK3-30	133	150	35	3400 - 3825 CFM
EHK3-45	173	175	43	3400 - 3825 CFM
DCH120***3B/V***	49	60		
EHK3-16	81 / 94	90 / 100	15	3,500-4,500 CFM
EHK3-30	122 / 139	125 / 150	35	3,500-4,500 CFM
EHK3-45	154 / 178	175 / 200	43	4,000-4,500 CFM
DCH150***3B***	65	80		
EHK3-16	110	110	15	4,000-5,600 CFM
EHK3-30	155	175	30	4,300-5,600 CFM
EHK3-45	194	200	43	4,500-5,600 CFM

480-VOLT UNITS @ 480V

MODEL	MCA ¹	MOP ² (AMPS)	KW & BTU/H	RECOMMENDED AIRFLOW RANGE
DCH090***4B***	19	25		
EHK4-16	42	45	15	3000-3375 CFM
EHK4-30	64	70	30	3000-3375 CFM
EHK4-45	84	90	43	3000-3375 CFM
DCH102***4B***	20	25		
EHK4-16	42	45	15	3400 - 3825 CFM
EHK4-30	65	70	30	3400 - 3825 CFM
EHK4-45	84	90	43	3400 - 3825 CFM
DCH120***4B/V***	24	30		
EHK4-16	46	50	15	3,500-4,500 CFM
EHK4-30	69	70	30	3,500-4,500 CFM
EHK4-45	89	90	43	4,000-4,500 CFM
DCH150***4B***	31	40		
EHK4-16	54	60	15	4,000-5,600 CFM
EHK4-30	76	80	30	4,300-5,600 CFM
EHK4-45	96	100	43	4,500-5,600 CFM

¹ Minimum Circuit Ampacity

² Maximum Overcurrent Protection device

ELECTRIC HEAT KITS FOR CPC/CPH PACKAGED UNITS — 7½ TO 12½ TONS

CPC 7½- TO 12½-TON UNITS — HEAT KIT USAGE

575-VOLT UNITS @ 575V

MODEL	MCA ¹	MOP ² (AMPS)	KW & BTU/H	RECOMMENDED AIRFLOW RANGE
CPC090***7B***	14	15		
EHK7-16	22	25	15	---
EHK7-30	41	45	30	---
EHK7-45	57	60	43	---
CPC102***7B***	17	20		
EHK7-16	22	25	15	3400 - 3825 CFM
EHK7-30	41	45	30	3400 - 3825 CFM
EHK7-45	57	60	43	3400 - 3825 CFM
CPC120***7B***	17	20		
EHK7-16	22	25	15	3,500-4,500 CFM
EHK7-30	41	45	30	3,500-4,500 CFM
EHK7-45	57	60	43	4,000-4,500 CFM
CPC150***7B***	23	30		
EHK7-16	24	30	15	4,000-5,600 CFM
EHK7-30	43	45	30	4,300-5,600 CFM
EHK7-45	59	60	43	4,500-5,600 CFM

¹ Minimum Circuit Ampacity

² Maximum Overcurrent Protection device

CPH 7½- TO 12½-TON UNITS — HEAT KIT USAGE

575-VOLT UNITS @ 575V

MODEL	MCA ¹	MOP ² (AMPS)	KW & BTU/H	RECOMMENDED AIRFLOW RANGE
CPH090***7B***	14	15		
EHK7-16	33	35	15	---
EHK7-30	51	60	30	---
EHK7-45	68	70	43	---
CPH102***7B***	17	20		
EHK7-16	36	40	15	3400 - 3825 CFM
EHK7-30	55	60	30	3400 - 3825 CFM
EHK7-45	71	80	43	3400 - 3825 CFM
CPH120***7B***	17	20		
EHK7-16	36	40	15	3,500-4,500 CFM
EHK7-30	55	60	30	3,500-4,500 CFM
EHK7-45	71	80	43	4,000-4,500 CFM
CPH150***7B***	23	30		
EHK7-16	42	45	15	4,000-5,600 CFM
EHK7-30	61	70	30	4,300-5,600 CFM
EHK7-45	77	80	43	4,500-5,600 CFM

¹ Minimum Circuit Ampacity

² Maximum Overcurrent Protection device

KW CORRECTION FACTORS

KW CORRECTION FACTOR FOR 3-PHASE UNITS

SUPPLY VOLTAGE	240	230	220	210
CORRECTION FACTOR	1	0.92	0.84	0.77

KW CORRECTION FACTOR FOR 480V UNITS

ACTUAL VOLTAGE	460	440	430
CORRECTION FACTOR	0.92	0.84	0.8

For other voltage use $\text{voltage}^2 / 480^2$

KW CORRECTION FACTOR FOR 575V UNITS

SUPPLY VOLTAGE	560	550	540
CORRECTION FACTOR	0.95	0.91	0.88

Multiply rated kW by correction factor to get actual kW.

ELECTRIC HEAT KITS FOR CPC/CPH PACKAGED UNITS — 15 & 20 TONS

CPC 15-TON UNITS — HEAT KIT USAGE

THREE-PHASE UNITS @ 208 / 240V

MODEL	MCA ¹	MOP ² (AMPS)	kW & BTU/H	RECOMMENDED AIRFLOW RANGE
CPC181***3B***	73	90		
EHK3-31	98	100	28.8	5250 - 6750 CFM
EHK3-46	141	150	43.2	5250 - 6750 CFM
EHK3-60	185	200	57.6	5250 - 6750 CFM

480-VOLT UNITS @ 480V

MODEL	MCA ¹	MOP ² (AMPS)	kW & BTU/H	RECOMMENDED AIRFLOW RANGE
CPC181***4B***	36	45		
EHK4-31	49	50	28.8	5250 - 6750 CFM
EHK4-46	71	80	43.2	5250 - 6750 CFM
EHK4-60	92	100	57.6	5250 - 6750 CFM

¹ Minimum Circuit Ampacity

² Maximum Overcurrent Protection (amps)

575-VOLT UNITS @ 575V

MODEL	MCA ¹	MOP ² (AMPS)	kW & BTU/H	RECOMMENDED AIRFLOW RANGE
CPC181***7B***	27	35		
EHK7-31	41	45	28.8	5250 - 6750 CFM
EHK7-46	59	60	43.2	5250 - 6750 CFM
EHK7-60	78	80	57.6	5250 - 6750 CFM

¹ Minimum Circuit Ampacity

² Maximum Overcurrent Protection (amps)

CPC 20-TON UNITS — HEAT KIT USAGE

THREE-PHASE UNITS @ 208 / 240V

MODEL	MCA ¹	MOP ² (AMPS)	kW & BTU/H	RECOMMENDED AIRFLOW RANGE
CPC240***3B***	95	125		
EHK3-31	103	125	28.8	7200 - 8500 CFM
EHK3-46	146	150	43.2	7200 - 8500 CFM
EHK3-60	189	200	57.6	7200 - 8500 CFM
EHK3-75	232	250	72	7200 - 8500 CFM

480-VOLT UNITS @ 480V

MODEL	MCA ¹	MOP ² (AMPS)	kW & BTU/H	RECOMMENDED AIRFLOW RANGE
CPC240***4B***	50	60		
EHK4-31	51	60	28.8	7200 - 8500 CFM
EHK4-46	73	80	43.2	7200 - 8500 CFM
EHK4-60	95	100	57.6	7200 - 8500 CFM
EHK4-75	116	125	72	7200 - 8500 CFM

575-VOLT UNITS @ 575V

MODEL	MCA ¹	MOP ² (AMPS)	kW & BTU/H	RECOMMENDED AIRFLOW RANGE
CPC240***7B***	37	45		
EHK7-31	43	45	28.8	7200 - 8500 CFM
EHK7-46	61	70	43.2	7200 - 8500 CFM
EHK7-60	79	80	57.6	7200 - 8500 CFM
EHK7-75	97	100	72	7200 - 8500 CFM

NOTES