



Air Conditioning & Heating

CPC COMMERCIAL

3- TO 6-TON PACKAGED AIR CONDITIONERS

13 SEER / 11.3 EER

SINGLE-PHASE & THREE-PHASE

COOLING CAPACITY:
35,000 — 71,000 BTU/H



Standard Features

- R-410A chlorine-free refrigerant
- High-efficiency scroll compressor
- Copper tube/aluminum fin coils
- High- and low-pressure switches
- Contactor with lugs
- High-capacity, steel-cased filter dryer
- Heater kits with single-point entry
- 24-volt terminal strip
- Convertible
- Easy to service
- Built-in filter rack with standard 2" filters
- Bottom utility entry
- AHRI Certified; ETL Listed

Cabinet Features

- Heavy-gauge, galvanized-steel cabinet with UV-resistant powder-paint finish
- Full Perimeter Rail

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



NOMENCLATURE

	C	P	C	060	015	3	B	X	X	X
	1	2	3	4,5,6	7,8,9	10	11	12	13	14
Brand	Factory-Installed Options									
C Commercial	X No Options									
Configuration	A Non-powered convenience outlet									
P Packaged Unit	B Powered convenience outlet									
Application	C Low-ambient kit									
C Cooling	F Non-powered convenience outlet; Low-ambient kit									
G Gas Heat	M Powered convenience outlet; Low-ambient kit									
H Heat Pump	Factory-Installed Options									
Nominal Gross Cooling Capacity	X Standard Aluminized Heat Exchanger									
036 3 Tons 102 8½ Tons	A Condenser Coil Hail Guard									
048 4 Tons 120 10 Tons	B Condenser Coil Hail Guard									
060 5 Tons 150 12½ tons	Treated Condenser Coil (UltraGold)									
072 6 Tons 180 15 Tons	C Condenser Coil Hail Guard									
090 7½ Tons 240 20 Tons	Stainless Steel Heat Exchanger									
Nominal Heating Capacity	D Condenser Coil Hail Guard									
CPG	Treated Condenser Coil (UltraGold)									
045 45,000 BTU/h	Stainless-Steel Heat Exchanger									
090 90,000 BTU/h	J Treated Condenser Coil (UltraGold)									
115 115,000 BTU/h	S Stainless-Steel Heat Exchanger									
140 140,000 BTU/h	T Treated Condenser Coil (UltraGold)									
210 210,000 BTU/h	Stainless-Steel Heat Exchanger									
350 350,000 BTU/h	Factory-Installed Options									
400 400,000 BTU/h	X No Options									
CPH (Factory-Installed Electric Heat)	A Downflow Economizer									
010 10 kW	Supply Fan/Drive Type/Motors									
030 30 kW	B Belt Drive									
015 15 kW	D Direct Drive									
031 30 kW	H High-Static Belt Drive (Factory-Installed)									
016 15 kW										
045 45 kW										
018 18 kW										
046 45 kW										
020 20 kW										
060 60 kW										
025 25 kW										
075 75 kW										
Voltage										
1 208V 1-Phase										
4 460V 3-Phase										
2 220/240V 1-Phase 50 Hz										
5 380/415V 3-Phase 50 Hz										
3 208/230V 3-Phase										
7 575V 3-Phase										

Factory-Installed Options

- Condenser Hail Guards: Louvered metal guards help protect the condenser coil from damage from hail and debris. Available as a factory-installed option on 3- to 12½-ton units. Hail guards are standard on 15- and 20-ton units.
- Stainless-Steel Heat Exchanger (CPG units only): A tubular heat exchanger made of 409-type stainless steel is installed in the unit.
- Ultra-Gold Condenser Coil: Offers increased corrosion resistance of the condenser coil.
- Low-Ambient Kit: Allows for cooling operation at lower outdoor temperatures. On the 3- to 6-ton units, cooling operation is extended from 60°F ambient temperature to 35°F outside air temperature. On 7½- to 20-ton units, cooling operation is extended from 35°F ambient temperature to 0°F outside air temperature.
- Economizers (Downflow): Based on air conditions, can provide outside air to cool the space.
- High Static Kits: Provides airflow in higher static applications.
- Electric Heat Kits (CPC and CPH units only): Available in all voltage options.
- Non-powered Convenience Outlet: A 120V, 15A, GFCI outlet makes it easier for technicians to service the unit once an electrician runs power to the outlet.
- Powered Convenience Outlet: A 120V, 15A, GFCI outlet powered with a transformer built into the unit.

PRODUCT SPECIFICATIONS — CPC036 B MODELS

	CPC036 XXX1DXXX	CPC036 XXX3DXXX	CPC036 XXX3BXXX	CPC036 XXX4BXXX	CPC036 XXX7BXXX
COOLING CAPACITY					
Total BTU/h	34,600	34,600	34,600	34,600	34,600
Sensible BTU/h	25,600	25,600	25,600	25,600	25,600
SEER / EER	13 / 11.3	13 / 11.3	13 / 11.3	13 / 11.3	13 / 11.3
Decibels	78	78	78	78	78
ARI Reference #s	4385050	4385051	4385051	4385052	4397604
EVAPORATOR MOTOR / COIL					
Motor Type	Direct Drive	Direct Drive	Belt Drive	Belt Drive	Belt Drive
Indoor Nominal CFM	1,200	1,200	1,200	1,200	1,200
Motor Speed Tap (Cooling)	Low Speed	Low Speed	---	---	---
Indoor motor FLA (Cooling)	2.50	2.50	3.8	1.9	2.3
Horsepower - RPM	⅓ - 890	⅓ - 890	1.0 - 1725	1.0 - 1725	1.5 - 1725
Piston Size (Cooling)	0.068	0.068	0.068	0.068	0.068
Filter Size (Qty)	(1) 24" x 24" x 2"	(1) 24" x 24" x 2"	(1) 24" x 24" x 2"	(1) 24" x 24" x 2"	(1) 24" x 24" x 2"
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"
R-410A Refrigerant Charge (oz.)	83	83	83	83	125
Evaporator Coil Face Area (ft²)	5.4	5.4	5.4	5.4	5.4
Rows Deep/ Fins per Inch	3 / 16	3 / 16	3 / 16	3 / 16	3 / 16
EVAPORATOR FAN					
Standard Direct Drive (D x W) HP	(10" X 9") ½	(10" X 9") ½	---	---	---
Standard Belt Drive (D x W) HP	---	---	(11" X 10") 1	(11" X 10") 1	(11" X 10") 1½
High-Static Belt Drive (D x W) HP	---	---	(11" X 10") 1½	(11" X 10") 1½	(11" X 10") 1½
# of Wheels (D x W)	---	---	1 (11" x 10")	1 (11" x 10")	1 (11" x 10")
Motor Sheave	---	---	1VL40 X ⅝	1VL40 X ⅝	1VL40 X ⅝
Blower Sheave / Belt	---	---	AK69 x 1 / AX55	AK69 x 1 / AX55	AK69 x 1 / AX55
CONDENSER FAN / COIL					
Quantity of Condenser Fan Motors	1	1	1	1	1
Horsepower - RPM	¼ / 1,090	¼ / 1,090	¼ / 1,090	¼ - 890	¼ - 1,075
Fan Diameter/ # Fan Blades	22 / 4	22 / 4	22 / 4	22 / 4	22 / 4
Outdoor Nominal CFM	3,800	3,800	3,800	3,800	3,800
Face Area (ft²)	17.0	17.0	17.0	17.0	13.0
Rows Deep/ Fins per Inch	1 / 24	1 / 24	1 / 24	1 / 24	2 / 16
COMPRESSOR					
Quantity / Type	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll
Stage	Single	Single	Single	Single	Single
Compressor RLA / LRA	16.7 / 79.0	10.5 / 73.0	10.5 / 73.0	5.8 / 38.0	3.8 / 36.5
ELECTRICAL DATA					
Voltage-Phase-Frequency	208/230-1-60	208/230-3-60	208/230-3-60	460-3-60	575-3-60
Indoor Blower HP / FLA	⅓ / 2.5	⅓ / 2.5	1 / 3.8	1 / 1.9	1.5 / 2.3
Outdoor Fan HP / FLA	¼ / 1.4	¼ / 1.4	¼ / 1.4	¼ / 0.8	0.60
Total Unit Amps	20.57	14.35	15.65	8.47	6.68
Min. Circuit Ampacity ¹	25	17	18	10	8
Max. Overcurrent Protection (amps) ²	40	25	25	15	15
Power Supply Conduit Hole	1.125"	1.125"	1.125"	1.125"	1.125"
Low Voltage Conduit Hole	½"	½"	½"	½"	½"
OPERATING WEIGHT (LBS)	500	500	500	500	500
SHIP WEIGHT (LBS)	525	525	525	525	525

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.

Note: Always check the S&R plate for electrical data on the unit being installed.

PRODUCT SPECIFICATIONS — CPC048 B MODELS

	CPC048 XXX1DXXX	CPC048 XXX3DXXX	CPC048 XXX3BXXX	CPC048 XXX4BXXX	CPC048 XXX7BXXX
COOLING CAPACITY					
Total BTU/h	45,500	45,500	45,500	45,500	45,500
Sensible BTU/h	35,000	35,000	35,000	35,000	35,000
SEER / EER	13.0 / 11.3	13.0 / 11.3	13.0 / 11.3	13.0 / 11.3	13.0 / 11.3
Decibels	78	78	78	78	78
ARI Reference #s	4385053	4385054	4385054	4385055	4397605
EVAPORATOR MOTOR / COIL					
Motor Type	Direct Drive	Direct Drive	Belt Drive	Belt Drive	Belt Drive
Indoor Nominal CFM	1,600	1,600	1,600	1,600	1,600
Motor Speed Tap (Cooling)	Medium	Medium	--	--	--
Indoor Motor FLA (Cooling)	2.87	2.87	3.8	1.9	2.3
Horsepower - RPM	½ - 1,000	½ - 1,000	1.0 - 1,725	1.0 - 1,725	1.5 - 1,725
Piston Size (Cooling)	0.076	0.076	0.076	0.076	0.076
Filter Size (Qty)	(4) 14" x 20" x 2"	(4) 14" x 20" x 2"	(4) 14" x 20" x 2"	(4) 14" x 20" x 2"	(4) 14" x 20" x 2"
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"
R-410A Refrigerant Charge (oz.)	103	103	103	103	105
Evaporator Coil Face Area (ft²)	7.0	7.0	7.0	7.0	7.0
Rows Deep / Fins per Inch	4 / 16	4 / 16	4 / 16	4 / 16	4 / 16
BELT DRIVE EVAP FAN DATA					
# of Wheels (D x W)	---	---	1 (11" x 10")	1 (11" x 10")	1 (11" x 10")
Motor Sheave	---	---	VL44 X 5/8	VL44 X 5/8	VL44 X 5/8
Blower Sheave / Belt	---	---	AK66 x 1 / AX55	AK66 X 1	AK66 X 1
CONDENSER FAN / COIL					
Quantity of Condenser Fan Motors	1	1	1	1	1
Horsepower - RPM	¼ - 1,090	¼ - 1,090	¼ - 1,090	¼ - 1,090	¼ - 1,075
Fan Diameter / # Fan Blades	22 / 4	22 / 4	22 / 4	22 / 4	22 / 4
Outdoor Nominal CFM	3,800	3,800	3,800	3,800	3,800
Face Area (ft²)	17	17	17	17	17
Rows Deep / Fins per Inch	1 / 24	1 / 24	1 / 24	1 / 24	1 / 24
COMPRESSOR					
Quantity / Stage	1 / Single	1 / Single	1 / Single	1 / Single	1 / Single
Type	Scroll	Scroll	Scroll	Scroll	Scroll
Compressor RLA / LRA	20 / 109	13.1 / 83.1	13.1 / 83.1	6.1 / 41	4.4 / 33
ELECTRICAL DATA					
Voltage-Phase-Frequency	208/230-1-60	208/230-3-60	208/230-3-60	460-3-60	575-3-60
Outdoor Fan FLA	1.40	1.40	1.40	0.80	0.60
Total Unit Amps	24.1	17.4	18.3	8.8	7.3
Min. Circuit Ampacity ¹	29	21	22	10	8
Max. Overcurrent Protection (amps) ²	45	30	30	15	15
Power Supply Conduit Hole	1.125"	1.125"	1.125"	1.125"	1.125"
Low-Voltage Conduit Hole	½"	½"	½"	½"	½"
OPERATING WEIGHT (LBS)	535	535	535	535	535
SHIP WEIGHT (LBS)	560	560	560	560	560

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.

Note: Always check the S&R plate for electrical data on the unit being installed.

PRODUCT SPECIFICATIONS — CPC060 B MODELS

	CPC060 XXX1DXXX	CPC060 XXX3DXXX	CPC060 XXX3BXXX	CPC060 XXX4BXXX	CPC060 XXX7BXXX
COOLING CAPACITY					
Total BTU/h	59,500	59,500	59,500	59,500	59,500
Sensible BTU/h	43,200	43,200	43,200	43,200	43,200
SEER / EER	13 / 11.3	13 / 11.3	13 / 11.3	13 / 11.3	13 / 11.3
Decibels	78	78	78	78	78
ARI Reference #s	4385056	4385057	4385057	4385058	4397606
EVAPORATOR MOTOR / COIL					
Motor Type	Direct	Direct	Belt	Belt	Belt
Indoor Nominal CFM	2,000	2,000	2,000	2,000	2,000
Expansion Device	Piston	Piston	Piston	Piston	Piston
Piston Size (Cooling)	0.086	0.086	0.086	0.086	0.082
Filter Size (")	(4) 14 x 20 x 2	(4) 14 x 20 x 2	(4) 14 x 20 x 2	(4) 14 x 20 x 2	(4) 14 x 20 x 2
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"
R-410A Refrigerant Charge (oz.)	162	162	162	162	162
Face Area (ft ²)	7.8	7.8	7.8	7.8	7.8
Rows Deep/ Fins per Inch	4 / 16	4 / 16	4 / 16	4 / 16	4 / 16
Tube Diameter - Material	5/16 - Copper	5/16 - Copper	5/16 - Copper	5/16 - Copper	5/16 - Copper
EVAPORATOR FAN					
Standard Direct Drive (D x W) HP	(11" X 10") 1	(11" X 10") 1	---	---	---
Standard Belt Drive (D x W) HP	---	---	(11" X 10") 1	(11" X 10") 1	(11" X 10") 1½
High-Static Belt Drive (D x W) HP	---	---	(11" X 10") 1½	(11" X 10") 1½	(11" X 10") 1½
BELT DRIVE EVAP FAN DATA					
# of Wheels (D x W)	---	---	1 (11" x 10")	1 (11" x 10")	1 (11" x 10")
Motor Sheave	---	---	VL44 x ¾"	VL44 x ¾"	VL44 x ¾"
Blower Sheave / Belt	---	---	AK61x1 / AX53	AK61x1 / AX53	AK61x1 / AX53
CONDENSER FAN / COIL					
Horsepower / RPM	¼ / 1,090	¼ / 1,090	¼ / 1,090	¼ / 1,090	¼ / 1,075
Fan Diameter/ # Fan Blades	22 / 4	22 / 4	22 / 4	22 / 4	22 / 4
Outdoor Nominal CFM	3,800	3,800	3,800	3,800	3,800
Face Area (ft ²)	17.0	17.0	17.0	17.0	17.0
Rows Deep/ Fins per Inch	2 / 18	2 / 18	2 / 18	2 / 18	2 / 18
Tube Diameter - Material	5/16 - Copper	5/16 - Copper	5/16 - Copper	5/16 - Copper	5/16 - Copper
COMPRESSOR					
Quantity / Type	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll
Stage	Single	Single	Single	Single	Single
Compressor RLA / LRA	26.4 / 134	16 / 110	16 / 110	7.8 / 52	5.7 / 38.9
ELECTRICAL DATA					
Voltage-Phase-Frequency	208/230-1-60	208/230-3-60	208/230-3-60	460-3-60	575-3-60
Indoor Blower HP / FLA	1.0 / 7.6	1.0 / 7.6	1.0 / 3.8	1.0 / 1.9	1.5 / 2.3
Indoor Blower LRA	24	---	24	12	12
Outdoor Fan HP / FLA	¼ / 1.40	¼ / 1.40	¼ / 1.40	¼ / 0.80	¼ / 0.60
Min. Circuit Ampacity ¹	42	29	25	12	10
Max. Overcurrent Protection ²	60 amps	45 amps	40 amps	20 amps	15 amps
Power Supply Conduit Hole	1.125"	1.125"	1.125"	1.125"	1.125"
Low-Voltage Conduit Hole	½"	½"	½"	½"	½"
OPERATING WEIGHT (LBS)	580	580	580	580	580
SHIP WEIGHT (LBS)	605	605	605	605	605

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.

Note: Always check the S&R plate for electrical data on the unit being installed.

PRODUCT SPECIFICATIONS — CPC072 B MODELS

	CPC072 XXX3BXXX	CPC072 XXX4BXXX	CPC072 XXX7BXXX
COOLING CAPACITY			
Total BTU/h	71,000	71,000	71,000
Sensible BTU/h	48,280	48,280	48,280
EER	11.2	11.2	11.2
Decibels	78.0	78.0	78.0
AHRI Number	3397631	3397631	3397631
EVAPORATOR MOTOR / COIL			
Motor Type	Belt Drive	Belt Drive	Belt Drive
Wheel (D x W)	1 (11" x 10")	1 (11" x 10")	1 (11" x 10")
Indoor Nominal CFM	2,400	2,400	2,400
Indoor motor FLA (Cooling)	5.0	2.5	2.3
Horsepower - RPM	1.5-1,725	1.5-1,725	1.5-1,725
Piston Size (Cooling)	0.094	0.094	0.094
Filter Size (Qty)	(4) 16" x 20" x 2"	(4) 16" x 20" x 2"	(4) 16" x 20" x 2"
Drain Size (NPT)	¾"	¾"	¾"
R-410A Refrigerant Charge Cir #1(oz.)	213.0	213.0	213.0
Evaporator Coil Face Area (ft²)	8.9	8.9	8.9
Rows Deep/ Fins per Inch	4/ 16	4/ 16	4/ 16
Motor Sheave	VL44 X 7/8	VL44 X 7/8	VL44 X 7/8
Blower Sheave	AK59 X 1	AK59 X 1	AK59 X 1
Belt	AX53	AX53	AX53
CONDENSER FAN / COIL			
Quantity of Condenser Fan Motors	1	1	1
Horsepower - RPM	½ - 1,075	½ - 1,075	½ - 1,075
Fan Diameter/ # Fan Blades	22/ 4	22/ 4	22/ 4
Outdoor Nominal CFM	4,300	4,300	4,300
Face Area (ft²)	18.7	18.7	18.7
Rows Deep/ Fins per Inch	2/ 20	2/ 20	2/ 20
COMPRESSOR			
Quantity / Type	1 / Scroll	1 / Scroll	1 / Scroll
Stage	Single	Single	Single
Compressor RLA / LRA ea.	19/123.0	9.7/62.0	7.4/50.0
ELECTRICAL DATA			
Voltage/Phase/ Frequency	208-230/3/60	460/3/60	575/3/60
Belt-Driven Standard Max Static	1.0	1.0	1.0
Outdoor Fan FLA ea.	1.90	1.20	0.90
Total Unit Amps	25.9	13.4	10.6
Min. Circuit Ampacity ¹	31	16	12
Max. Overcurrent Protection (amps) ²	45	25	15
Entrance Power Supply	1.125"	1.125"	1.125"
Entrance Control Voltage	½"	½"	½"
OPERATING WEIGHT (LBS)	640	640	640
SHIP WEIGHT (LBS)	665	665	665

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.

Note: Always check the S&R plate for electrical data on the unit being installed.

HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE) — 3 TONS

MODEL AND HEAT KIT USAGE	MCA ¹ AT 208 / 240V	MOP ² (AMPS) AT 208 / 240V	ACTUAL KW & BTU AT 240V	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
CPC036***3D***	17	25		
EHK3-10	29 / 33	30 / 35	10	1250-1350 CFM
EHK3-15	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

MODEL AND HEAT KIT USAGE	MCA ¹ AT 480V	MOP ² (AMPS) AT 480V	ACTUAL KW & BTU AT 480V	RECOMMENDED AIRFLOW RANGE
CPC036***4B***	10	15		
EHK4-10	17	20	10	1250-1350 CFM
EHK4-15	25	25	15	1400-1440 CFM

MODEL AND HEAT KIT USAGE	MCA ¹ AT 575V	MOP ² (AMPS) AT 575V	ACTUAL KW & BTU AT 575V	RECOMMENDED AIRFLOW RANGE
CPC036***7B***	8	15		
EHK7-10	15	20	10	1250-1350 CFM
EHK7-15	22	25	15	1400-1440 CFM

¹ Minimum Circuit Ampacity

² Maximum Overcurrent Protection device

kW CORRECTION FACTOR

kW CORRECTION FACTOR FOR 1- & 3-PHASE UNITS					
SUPPLY VOLTAGE	240	230	220	210	208
CORRECTION FACTOR	1	0.93	0.82	0.78	0.76

Multiply rated kW by correction factor to get actual kW

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

MINIMUM AIRFLOW FOR ELECTRIC HEAT

HEATER SIZE	MINIMUM CFM	
	A MODELS	B MODELS
10 kW	1,250	1,250
15 kW	1,400	1,250

HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE) — 4 TONS

MODEL AND HEAT KIT USAGE	MCA ¹ AT 208 / 240V	MOP ² (AMPS) AT 208 / 240V	ACTUAL KW & BTU AT 240V	RECOMMENDED AIRFLOW RANGE
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
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

MODEL AND HEAT KIT USAGE	MCA ¹ AT 480V	MOP ² (AMPS) AT 480V	ACTUAL KW & BTU AT 480V	RECOMMENDED AIRFLOW RANGE
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

MODEL AND HEAT KIT USAGE	MCA ¹ AT 575V	MOP ² (AMPS) AT 575V	ACTUAL KW & BTU AT 575V	RECOMMENDED AIRFLOW RANGE
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

¹ Minimum Circuit Ampacity

² Maximum Overcurrent Protection device

kW CORRECTION FACTOR

kW CORRECTION FACTOR FOR 1- & 3-PHASE UNITS					
SUPPLY VOLTAGE	240	230	220	210	208
CORRECTION FACTOR	1	0.93	0.82	0.78	0.76

Multiply rated kW by correction factor to get actual kW

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.

MINIMUM AIRFLOW FOR ELECTRIC HEAT

HEATER SIZE	MINIMUM CFM	
	A MODELS	B MODELS
10 kW	1,400	1,300
15 kW	1,575	1,400
18 kW	1,575	1,400

HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE) — 5 TONS

MODEL AND HEAT KIT USAGE	MCA ¹ AT 208 / 240V	MOP ² (AMPS) AT 208 / 240V	ACTUAL KW & BTU AT 240V	RECOMMENDED AIRFLOW RANGE	SPEED TAP
CPC060***1D***	42	60			
EHK1-10	53 / 62	60 / 70	10	1750-2250 CFM	T3, T4, T5
EHK1-15	76 / 88	80 / 90	15	1750-2250 CFM	T3, T4, T5
EHK1-20	99 / 114	100 / 120	20	1850-2250 CFM	T5
CPC060***3D***	29	45			
EHK3-10	34 / 40	35 / 45	10	1750-2250 CFM	T3, T4, T5
EHK3-15	47 / 55	50 / 60	15	1750-2250 CFM	T3, T4, T5
EHK3-20	60 / 70	70 / 70	20	1850-2250 CFM	T5
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	---

MODEL AND HEAT KIT USAGE	MCA ¹ AT 480V	MOP ² (AMPS) AT 480V	ACTUAL KW & BTU AT 480V	RECOMMENDED AIRFLOW RANGE
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

MODEL AND HEAT KIT USAGE	MCA ¹ AT 575V	MOP ² (AMPS) AT 575V	ACTUAL KW & BTU AT 575V	RECOMMENDED AIRFLOW RANGE
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
EHK7-25	34	35	25	---

¹ Minimum Circuit Ampacity

² Maximum Overcurrent Protection Device

kW CORRECTION FACTOR

kW CORRECTION FACTOR FOR 1- & 3-PHASE UNITS					
SUPPLY VOLTAGE	240	230	220	210	208
CORRECTION FACTOR	1	0.93	0.82	0.78	0.76

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

MINIMUM AIRFLOW FOR ELECTRIC HEAT

HEATER SIZE	MINIMUM CFM	
	A MODELS	B MODELS
10	1,750	1,700
15	1,750	1,700
20	1,850	1,880

HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE) — 6 TONS

MODEL AND HEAT KIT USAGE	MCA ¹ @ 208 / 240V	MOP ² (AMPS) @ 208 / 240V	ACTUAL KW & BTU @ 240V	RECOMMENDED AIRFLOW RANGE
CPC072XXX3BXXX	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

MODEL AND HEAT KIT USAGE	MCA ¹ @ 480V	MOP ² (AMPS) @ 480V	ACTUAL KW & BTU @ 480V	RECOMMENDED AIRFLOW RANGE
CPC072XXX4BXXX	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

MODEL AND HEAT KIT USAGE	MCA ¹ @ 575V	MOP ² (AMPS) @ 575V	ACTUAL KW & BTU @ 575V	RECOMMENDED AIRFLOW RANGE
CPC072XXX7BXXX	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

Note: All heaters have single-point entry kit

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.

MINIMUM AIRFLOW FOR ELECTRIC HEAT

HEATER SIZE	MINIMUM CFM
10	2,100
15	2,100
20	2,100
25	2,100

AIRFLOW DATA — CPC036

DIRECT DRIVE — HORIZONTAL

CFM	STATIC	AMPS	WATTS	RPM	SPEED TAP
1296	0.1	1.67	356	764	Low
1245	0.2	1.60	334	830	
1174	0.3	1.56	325	861	
1103	0.4	1.52	316	891	
1013	0.5	1.46	300	935	
1502	0.1	2.10	456	836	Med
1449	0.2	2.06	444	864	
1396	0.3	2.02	432	891	
1335	0.4	1.97	418	916	
1273	0.5	1.91	404	940	
1153	0.6	1.83	380	973	
996	0.7	1.71	346	1017	
1516	0.2	2.36	506	940	High
1454	0.3	2.31	496	960	
1392	0.4	2.26	486	979	
1273	0.5	2.17	458	1006	
1183	0.6	2.09	441	1023	
1092	0.7	2.02	424	1039	
920	0.8	1.90	390	1067	

DIRECT DRIVE — DOWN SHOT

CFM	STATIC	AMPS	WATTS	RPM	SPEED TAP
1287	0.1	1.66	350	770	Low
1233	0.2	1.63	342	815	
1176	0.3	1.59	332	858	
1107	0.4	1.55	320	891	
1044	0.5	1.51	312	924	
965	0.6	1.45	296	957	
1476	0.1	2.08	446	866	Med
1421	0.2	2.03	432	885	
1334	0.3	1.96	414	918	
1255	0.4	1.90	396	945	
1180	0.5	1.84	386	971	
1085	0.6	1.78	368	990	
964	0.7	1.70	344	1023	
1455	0.3	2.31	490	962	High
1367	0.4	2.25	476	984	
1277	0.5	2.16	454	1006	
1180	0.6	2.09	438	1025	
1080	0.7	2.02	418	1039	
922	0.8	1.90	386	1067	

Notes:

- Assumes dry coil with filter in place
- SCFM correction for wet coil = 4%

AIRFLOW DATA — CPC036 (CONT.)

STANDARD BELT DRIVE — HORIZONTAL

ESP (" W.C.)	TURNS OPEN											
	0		1		2		3		4		5	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.2									1658	0.35	1489	0.28
0.4							1560	0.36	1339	0.28	1129	0.21
0.6			1682	0.47	1436	0.36	1196	0.27	949	0.19		
0.8	1581	0.50	1354	0.38	1096	0.28	828	0.18				
1.0	1266	0.39	994	0.28	756	0.19						
1.2	923	0.28										

HIGH-STATIC BELT DRIVE — HORIZONTAL

ESP (" W.C.)	TURNS OPEN											
	0		1		2		3		4		5	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6									1742	0.50	1431	0.36
0.8							1626	0.52	1357	0.39	1078	0.27
1.0					1611	0.56	1315	0.42	1011	0.28		
1.2			1605	0.62	1299	0.46	976	0.31				
1.4	1605	0.68	1281	0.51	959	0.35						
1.6	1281	0.57	981	0.41								
1.8	981	0.47										

STANDARD BELT DRIVE — DOWN SHOT

ESP (" W.C.)	TURNS OPEN											
	0		1		2		3		4		5	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.2									1424	0.30	1239	0.23
0.4					1520	0.39	1292	0.29	1073	0.22	779	0.14
0.6			1439	0.40	1192	0.30	944	0.21	619	0.12		
0.8	1350	0.42	1101	0.31	864	0.22						
1.0	1028	0.31	729	0.21								
1.2	675	0.20										

HIGH-STATIC BELT DRIVE — DOWN SHOT

ESP (" W.C.)	TURNS OPEN											
	0		1		2		3		4		5	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6							1692	0.54	1449	0.41	1173	0.29
0.8					1678	0.58	1397	0.44	1107	0.31	854	0.21
1.0			1681	0.65	1381	0.49	1078	0.34	794	0.22		
1.2	1681	0.71	1362	0.54	1062	0.39						
1.4	1362	0.60	1066	0.44								
1.6	1066	0.50	789	0.34								
1.8	789	0.40										

AIRFLOW DATA — CPC048

STANDARD DIRECT DRIVE — HORIZONTAL

CFM	STATIC	AMPS	WATTS	RPM	SPEED TAP
1622	0.1	2.54	539	809	Low
1558	0.2	2.43	517	852	
1494	0.3	2.32	495	895	
1410	0.4	2.21	471	924	
1326	0.5	2.10	447	953	
1861	0.1	3.11	670	886	Med
1733	0.2	2.78	606	918	
1639	0.3	2.64	568	960	
1564	0.4	2.51	542	984	
1434	0.5	2.35	508	1017	
1320	0.6	2.25	482	1039	
1156	0.7	2.08	446	1067	
1984	0.1	3.34	734	949	High
1883	0.2	3.18	694	977	
1770	0.3	3.03	654	1001	
1656	0.4	2.87	620	1027	
1540	0.5	2.76	590	1044	
1415	0.6	2.62	558	1061	

STANDARD DIRECT DRIVE — DOWN SHOT

CFM	STATIC	AMPS	WATTS	RPM	SPEED TAP
1602	0.1	2.48	528	835	Low
1538	0.2	2.37	506	878	
1474	0.3	2.26	484	921	
1390	0.4	2.15	460	950	
1306	0.5	2.04	436	979	
1805	0.1	2.84	620	935	Med
1704	0.2	2.71	590	967	
1625	0.3	2.59	558	990	
1549	0.4	2.47	540	1012	
1437	0.5	2.38	516	1030	
1301	0.6	2.23	480	1050	
1158	0.7	2.09	444	1072	
1971	0.1	3.22	706	968	High
1828	0.2	3.03	664	998	
1744	0.3	2.94	632	1017	
1628	0.4	2.80	606	1034	
1510	0.5	2.69	582	1050	
1402	0.6	2.57	552	1067	

Notes:

- Assumes dry coil with filter in place
- SCFM correction for wet coil = 4%

AIRFLOW DATA — CPC048 (CONT.)

STANDARD BELT DRIVE — HORIZONTAL

ESP (" W.C.)	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.2									1943	0.52	1714	0.40
0.4					2187	0.72	1876	0.55	1566	0.40	1270	0.26
0.6			2044	0.72	1761	0.56	1444	0.40	1136	0.26		
0.8	1947	0.74	1704	0.59	1335	0.40						
1.0	1598	0.60	1275	0.36								
1.2	1208	0.45										

HIGH-STATIC BELT DRIVE — HORIZONTAL

ESP (" W.C.)	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6									2056	0.72	1721	0.54
0.8							1996	0.77	1662	0.57	1328	0.40
1.0					1924	0.79	1603	0.61	1270	0.43		
1.2			1952	0.88	1559	0.64	1210	0.44				
1.4	1888	0.92	1543	0.70	1195	0.49						
1.6	1557	0.77	1180	0.54								
1.8	1192	0.60										

STANDARD BELT DRIVE — DOWN SHOT

ESP (" W.C.)	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.2							2129	0.64	1795	0.47	1550	0.35
0.4					1994	0.65	1701	0.49	1433	0.36	1163	0.22
0.6			1905	0.67	1606	0.50	1326	0.36	1025	0.22		
0.8	1808	0.69	1565	0.54	1216	0.36						
1.0	1473	0.55	1137	0.32								
1.2	1103	0.41										

HIGH-STATIC BELT DRIVE — DOWN SHOT

ESP (" W.C.)	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6							2194	0.85	1886	0.66	1580	0.49
0.8					2113	0.86	1832	0.70	1526	0.52	1219	0.37
1.0			2182	0.98	1776	0.73	1472	0.55	1166	0.39		
1.2	2053	1.00	1780	0.80	1440	0.59	1111	0.40				
1.4	1759	0.86	1421	0.64	1104	0.46						
1.6	1442	0.72	1095	0.50								
1.8	1095	0.56										

AIRFLOW DATA — CPC060

STANDARD DIRECT DRIVE MOTOR — HORIZONTAL

CFM	STATIC	AMPS	WATTS	RPM	SPEED TAP
1355	0.1	1.57	174	599	T1
1281	0.2	1.66	182	651	
1235	0.3	1.76	196	693	
1168	0.4	1.81	202	726	
1118	0.5	1.94	218	775	
1049	0.6	2.03	232	819	
982	0.7	2.10	240	858	
922	0.8	2.14	246	885	
871	0.9	2.25	260	927	
1544	0.1	2.04	234	660	
1490	0.2	2.17	250	704	
1427	0.3	2.25	260	742	
1370	0.4	2.35	276	781	
1319	0.5	2.42	282	809	
1274	0.6	2.52	296	849	
1210	0.7	2.62	316	891	
1137	0.8	2.73	326	935	
1106	0.9	2.77	336	957	
2099	0.1	4.13	516	825	T3
2068	0.2	4.25	536	852	
2029	0.3	4.37	552	885	
1971	0.4	4.48	568	913	
1911	0.5	4.61	586	950	
1876	0.6	4.73	604	973	
1821	0.7	4.86	622	1012	
1792	0.8	4.91	630	1028	
1740	0.9	5.03	648	1067	
2233	0.1	4.76	608	863	
2168	0.2	4.91	628	896	
2125	0.3	5.02	640	924	
2070	0.4	5.14	660	951	
2050	0.5	5.27	678	979	
1980	0.6	5.41	696	1012	
1954	0.7	5.47	704	1034	
1893	0.8	5.60	724	1067	
1852	0.9	5.70	736	1089	
2322	0.1	5.44	710	904	T5
2294	0.2	5.55	726	934	
2254	0.3	5.68	742	958	
2201	0.4	5.80	766	990	
2147	0.5	5.93	782	1017	
2117	0.6	6.01	788	1039	
2081	0.7	6.12	808	1060	
2017	0.8	6.22	822	1094	
1932	0.9	6.10	804	1111	

STANDARD DIRECT DRIVE MOTOR — DOWN SHOT

CFM	STATIC	AMPS	WATTS	RPM	SPEED TAP
1334	0.1	1.65	180	627	T1
1286	0.2	1.75	192	665	
1212	0.3	1.83	202	715	
1144	0.4	1.94	216	759	
1077	0.5	1.99	222	792	
1039	0.6	2.10	238	830	
953	0.7	2.17	248	874	
904	0.8	2.27	258	913	
825	0.9	2.30	266	940	
1512	0.1	2.12	240	682	
1469	0.2	2.24	254	720	
1397	0.3	2.31	264	759	
1333	0.4	2.44	282	803	
1285	0.5	2.54	296	836	
1221	0.6	2.59	304	874	
1173	0.7	2.72	322	913	
1118	0.8	2.77	328	946	
1049	0.9	2.90	344	984	
2053	0.1	4.27	540	869	T3
2014	0.2	4.39	558	896	
1999	0.3	4.60	576	929	
1947	0.4	4.68	588	957	
1897	0.5	4.79	608	989	
1857	0.6	4.87	620	1012	
1763	0.7	4.99	640	1050	
1741	0.8	5.06	650	1072	
1669	0.9	5.19	668	1105	
2137	0.1	4.95	634	913	
2093	0.2	5.07	652	940	
2095	0.3	5.19	670	962	
2026	0.4	5.28	682	990	
1980	0.5	5.40	698	1018	
1961	0.6	5.49	720	1039	
1914	0.7	5.58	732	1072	
1845	0.8	5.70	742	1100	
1766	0.9	5.69	740	1127	
2299	0.1	5.70	742	942	T5
2233	0.2	5.80	748	969	
2217	0.3	5.90	768	990	
2157	0.4	6.07	786	1018	
2131	0.5	6.12	804	1045	
2060	0.6	6.21	816	1073	
2015	0.7	6.30	820	1095	
1940	0.8	6.27	816	1111	
1862	0.9	6.13	790	1128	

NOTES

Assumes dry coil with filter in place; SCFM correction for wet coil = 4%
 Five-ton models are shipped from the factory with speed tap set on T4.

AIRFLOW DATA — CPC060 (CONT.)

STANDARD BELT DRIVE — HORIZONTAL

ESP (" W.C.)	TURNS OPEN											
	0		1		2		3		4		5	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.2									2420	0.79	2198	0.64
0.4					2605	1.02	2358	0.84	2133	0.67	1874	0.52
0.6			2526	1.06	2300	0.88	2026	0.70	1806	0.55		
0.8	2529	1.15	2252	0.93	1975	0.73	1670	0.54				
1.0	2233	0.99	1943	0.78	1628	0.57						
1.2	1907	0.83	1582	0.61								

HIGH-STATIC BELT DRIVE — HORIZONTAL

ESP (" W.C.)	TURNS OPEN											
	0		1		2		3		4		5	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6											2323	0.92
0.8									2315	1.00	2009	0.77
1.0							2308	1.09	1992	0.84	1666	0.60
1.2					2338	1.21	1992	0.92	1646	0.66		
1.4			2359	1.32	2025	1.02	1648	0.72				
1.6	2404	1.45	2056	1.13	1684	0.82						
1.8	2088	1.24	1722	0.92								

STANDARD BELT DRIVE — DOWN SHOT

ESP (" W.C.)	TURNS OPEN											
	0		1		2		3		4		5	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.2					2579	1.01	2368	0.85	2175	0.69	1961	0.55
0.4			2513	1.05	2318	0.89	2089	0.73	1906	0.59	1666	0.44
0.6	2514	1.14	2276	0.94	2045	0.77	1797	0.60	1604	0.47		
0.8	2261	1.01	2017	0.82	1760	0.63						
1.0	1989	0.87	1730	0.68								
1.2	1695	0.72										

HIGH-STATIC BELT DRIVE — DOWN SHOT

ESP (" W.C.)	TURNS OPEN											
	0		1		2		3		4		5	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6									2331	1.01	2072	0.80
0.8							2324	1.10	2059	0.87	1791	0.66
1.0					2350	1.21	2058	0.95	1774	0.72		
1.2			2367	1.33	2086	1.06	1776	0.79				
1.4	2404	1.45	2111	1.17	1805	0.89						
1.6	2136	1.28	1835	0.99								
1.8	1868	1.10										

AIRFLOW DATA — CPC072

STANDARD BELT DRIVE — HORIZONTAL

ESP (In W.C.)	0 Turns		1 Turn		2 Turns		3 Turns		4 Turns		5 Turns	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.2							2784	1.30	2582	0.83	2411	0.79
0.4					2814	1.34	2620	1.19	2342	0.72	2105	0.66
0.6			2665	1.34	2583	1.19	2398	1.06	2103	0.62	1902	0.57
0.8	2689	1.38	2492	1.22	2370	1.07	2142	0.91	1816	0.51		
1	2438	1.22	2275	1.09	2098	0.92	1883	0.78				
1.2	2250	1.10	1996	0.92								

STANDARD BELT DRIVE — DOWN SHOT

ESP (In W.C.)	0 Turns		1 Turn		2 Turns		3 Turns		4 Turns		5 Turns	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.2					2771	1.27	2567	1.05	2421	0.88	2220	0.71
0.4			2753	1.38	2573	1.15	2382	0.95	2186	0.77	1980	0.61
0.6	2655	1.42	2548	1.24	2360	1.02	2119	0.81	1934	0.65		
0.8	2470	1.30	2331	1.11	2111	0.89	1868	0.69				
1	2296	1.18	2078	0.96	1840	0.75						
1.2	2040	1.02										

HIGH-STATIC BELT DRIVE — HORIZONTAL

ESP (In W.C.)	0 Turns		1 Turn		2 Turns		3 Turns		4 Turns		5 Turns	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6									2746	1.38	2515	1.12
0.8							2721	1.47	2494	1.21	2261	0.97
1					2689	1.56	2500	1.32	2255	1.06	1994	0.83
1.2			2752	1.74	2473	1.40	2252	1.15	1996	0.91		
1.4	2802	1.88	2487	1.53	2286	1.27	2037	1.02				
1.6	2553	1.67	2308	1.40	1997	1.08						
1.8	2355	1.51	2014	1.19								
2	2055	1.29										

HIGH-STATIC BELT DRIVE — DOWN SHOT

ESP (In W.C.)	0 Turns		1 Turn		2 Turns		3 Turns		4 Turns		5 Turns	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6					2793	1.64	2603	1.39	2450	1.18	2270	0.97
0.8			2903	1.87	2696	1.57	2369	1.23	2236	1.05	1987	0.82
1	2776	1.86	2682.5	1.69	2445	1.38	2196	1.12	1968	0.90		
1.2	2599	1.71	2539	1.57	2310	1.29	1932	0.96				
1.4	2424	1.57	2305	1.40	2032	1.11						
1.6	2172	1.38	2017	1.19								
1.8	1953	1.22										

EXPANDED COOLING DATA — CPC036

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																								
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	1350	MBh	33.9	35.1	38.5	-	33.1	34.3	37.6	-	32.3	33.5	36.7	-	31.5	32.7	35.8	-	30.0	31.1	34.0	-	27.8	28.8	31.5	-
		S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-
		ΔT	17	14	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
		kW	2.44	2.48	2.56	-	2.61	2.66	2.74	-	2.76	2.82	2.90	-	2.90	2.95	3.05	-	3.01	3.07	3.17	-	3.11	3.17	3.27	-
		Amps	8.5	8.7	8.9	-	9.0	9.2	9.4	-	9.6	9.8	10.0	-	10.1	10.3	10.5	-	10.6	10.8	11.0	-	11.1	11.3	11.6	-
		HI PR	221	237	251	-	247	266	281	-	281	303	320	-	321	345	364	-	361	388	410	-	398	429	453	-
	LO PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-	
	MBh	32.9	34.1	37.4	-	32.2	33.3	36.5	-	31.4	32.5	35.6	-	30.6	31.7	34.8	-	29.1	30.2	33.0	-	26.9	27.9	30.6	-	
	S/T	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.79	0.66	0.45	-	0.79	0.66	0.46	-	
	ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	11	-	16	14	11	-	
	kW	2.42	2.47	2.54	-	2.59	2.64	2.72	-	2.74	2.80	2.88	-	2.87	2.93	3.02	-	2.99	3.05	3.14	-	3.08	3.15	3.25	-	
	Amps	8.5	8.6	8.8	-	8.9	9.1	9.3	-	9.5	9.7	9.9	-	10.0	10.2	10.4	-	10.5	10.7	11.0	-	11.0	11.2	11.5	-	
HI PR	218	235	248	-	245	264	278	-	279	300	317	-	317	342	361	-	357	384	406	-	394	425	448	-		
LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-		
MBh	30.4	31.5	34.5	-	29.7	30.8	33.7	-	29.0	30.0	32.9	-	28.3	29.3	32.1	-	26.9	27.8	30.5	-	24.9	25.8	28.2	-		
S/T	0.67	0.56	0.38	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.76	0.64	0.44	-		
ΔT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-		
kW	2.37	2.41	2.48	-	2.53	2.58	2.66	-	2.68	2.73	2.81	-	2.81	2.86	2.95	-	2.92	2.98	3.07	-	3.01	3.07	3.17	-		
Amps	8.3	8.4	8.6	-	8.8	8.9	9.1	-	9.3	9.5	9.7	-	9.8	10.0	10.2	-	10.3	10.5	10.7	-	10.7	10.9	11.2	-		
HI PR	212	228	241	-	238	256	270	-	270	291	307	-	308	331	350	-	346	373	394	-	383	412	435	-		
LO PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-		

75	1350	MBh	34.5	35.5	38.4	41.2	33.7	34.7	37.5	40.3	32.9	33.8	36.6	39.3	32.1	33.0	35.7	38.4	30.5	31.4	34.0	36.4	28.2	29.1	31.5	33.8
		S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.94	0.84	0.64	0.41
		ΔT	19	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	19	18	15	10	18	17	14	9
		kW	2.46	2.50	2.58	2.65	2.63	2.68	2.76	2.85	2.78	2.84	2.93	3.02	2.92	2.98	3.07	3.17	3.03	3.10	3.19	3.29	3.13	3.20	3.30	3.40
		Amps	8.6	8.7	8.9	9.2	9.1	9.2	9.5	9.7	9.6	9.8	10.1	10.4	10.1	10.3	10.6	10.9	10.6	10.8	11.1	11.5	11.1	11.4	11.7	12.0
		HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	384	364	392	414	432	402	433	457	477
	LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167	
	MBh	33.5	34.5	37.3	40.0	32.7	33.7	36.4	39.1	31.9	32.9	35.6	38.2	31.1	32.1	34.7	37.2	29.6	30.5	33.0	35.4	27.4	28.2	30.5	32.8	
	S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.81	0.61	0.39	
	ΔT	20	19	15	10	20	19	15	11	20	19	15	11	21	19	15	11	20	19	15	11	19	17	14	10	
	kW	2.44	2.49	2.56	2.63	2.61	2.66	2.74	2.82	2.76	2.82	2.90	2.99	2.90	2.96	3.05	3.14	3.01	3.07	3.17	3.27	3.11	3.17	3.27	3.38	
	Amps	8.5	8.7	8.9	9.1	9.0	9.2	9.4	9.6	9.6	9.8	10.0	10.3	10.1	10.3	10.5	10.8	10.6	10.8	11.1	11.4	11.1	11.3	11.6	11.9	
HI PR	221	237	251	261	248	266	281	293	281	303	320	334	321	345	364	380	361	388	410	427	399	429	453	472		
LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166		
MBh	30.9	31.8	34.4	37.0	30.2	31.1	33.6	36.1	29.5	30.3	32.8	35.2	28.7	29.6	32.0	34.4	27.3	28.1	30.4	32.7	25.3	26.0	28.2	30.3		
S/T	0.76	0.68	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.87	0.78	0.59	0.38		
ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10		
kW	2.38	2.43	2.50	2.57	2.55	2.60	2.68	2.76	2.70	2.75	2.84	2.92	2.83	2.89	2.97	3.07	2.94	3.00	3.09	3.19	3.03	3.10	3.19	3.30		
Amps	8.3	8.5	8.7	8.9	8.8	9.0	9.2	9.5	9.4	9.5	9.8	10.1	9.9	10.0	10.3	10.6	10.3	10.5	10.8	11.1	10.8	11.0	11.3	11.7		
HI PR	214	230	243	254	240	258	273	285	273	294	310	324	311	335	353	369	350	376	398	415	387	416	439	458		
LO PR	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161		

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service ports.
 Shaded area reflects ACCA (TVA) conditions
 kW = Total system power
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

EXPANDED COOLING DATA — CPC036 (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																								
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
80	1350	MBh	35.1	35.9	38.3	41.0	34.3	35.0	37.4	40.0	33.5	34.2	36.5	39.0	32.6	33.4	35.6	38.1	31.0	31.7	33.9	36.2	28.7	29.4	31.4	33.5
		S/T	0.90	0.85	0.69	0.51	0.93	0.88	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.75	0.56	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59
	ΔT	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	21	21	18	14	20	19	17	13	
	kW	2.47	2.52	2.60	2.67	2.65	2.70	2.78	2.87	2.80	2.86	2.95	3.04	2.94	3.00	3.09	3.19	3.06	3.12	3.22	3.32	3.16	3.22	3.33	3.43	
	Amps	8.6	8.8	9.0	9.2	9.1	9.3	9.5	9.8	9.7	9.9	10.1	10.4	10.2	10.4	10.7	11.0	10.7	10.9	11.2	11.6	11.2	11.4	11.7	12.1	
	HI PR	225	242	256	267	253	272	287	299	287	309	326	340	327	352	372	388	368	396	418	436	407	438	462	482	
	LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169	
	MBh	34.1	34.8	37.2	39.8	33.3	34.0	36.3	38.8	32.5	33.2	35.5	37.9	31.7	32.4	34.6	37.0	30.1	30.8	32.9	35.1	27.9	28.5	30.4	32.5	
	S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.75	0.56	
	ΔT	22	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	20	18	14	
kW	2.46	2.50	2.58	2.65	2.63	2.68	2.76	2.85	2.78	2.84	2.93	3.02	2.92	2.98	3.07	3.17	3.03	3.10	3.19	3.29	3.13	3.20	3.30	3.40		
Amps	8.6	8.7	8.9	9.2	9.1	9.2	9.5	9.7	9.6	9.8	10.1	10.4	10.1	10.3	10.6	10.9	10.6	10.8	11.1	11.5	11.1	11.4	11.7	12.0		
HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	384	364	392	414	432	403	433	457	477		
LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167		
MBh	31.4	32.1	34.3	36.7	30.7	31.4	33.5	35.8	30.0	30.6	32.7	35.0	29.3	29.9	31.9	34.1	27.8	28.4	30.3	32.4	25.7	26.3	28.1	30.0		
S/T	0.83	0.78	0.63	0.47	0.86	0.81	0.66	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.94	0.89	0.72	0.54	0.95	0.89	0.73	0.54		
ΔT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	16	23	22	19	15	21	21	18	14		
kW	2.40	2.45	2.52	2.59	2.57	2.62	2.70	2.78	2.72	2.77	2.86	2.95	2.85	2.91	3.00	3.09	2.96	3.02	3.12	3.22	3.06	3.12	3.22	3.32		
Amps	8.4	8.5	8.7	9.0	8.9	9.0	9.3	9.5	9.4	9.6	9.9	10.1	9.9	10.1	10.4	10.7	10.4	10.6	10.9	11.2	10.9	11.1	11.4	11.7		
HI PR	216	233	246	256	243	261	276	287	276	297	313	327	314	338	357	372	353	380	402	419	390	420	444	463		
LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162		

85	1350	MBh	35.7	36.4	38.1	40.7	34.9	35.6	37.2	39.7	34.0	34.7	36.3	38.8	33.2	33.9	35.5	37.8	31.6	32.2	33.7	35.9	29.2	29.8	31.2	33.3
		S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.94	0.77
	ΔT	23	23	21	18	23	23	22	19	23	23	22	19	23	23	22	19	21	22	21	19	20	20	20	17	
	kW	2.49	2.54	2.61	2.69	2.67	2.72	2.80	2.89	2.83	2.88	2.97	3.06	2.96	3.03	3.12	3.22	3.08	3.15	3.24	3.35	3.18	3.25	3.35	3.46	
	Amps	8.7	8.8	9.0	9.3	9.2	9.4	9.6	9.9	9.8	10.0	10.2	10.5	10.3	10.5	10.8	11.1	10.8	11.0	11.3	11.6	11.3	11.5	11.8	12.2	
	HI PR	227	245	258	269	255	274	290	302	290	312	330	344	330	356	375	392	372	400	422	440	411	442	467	487	
	LO PR	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171	
	MBh	34.7	35.3	37.0	39.5	33.9	34.5	36.1	38.6	33.1	33.7	35.3	37.6	32.2	32.9	34.4	36.7	30.6	31.2	32.7	34.9	28.4	28.9	30.3	32.3	
	S/T	0.90	0.87	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.92	0.83	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.90	0.73	
	ΔT	24	24	22	19	24	24	23	20	24	24	23	20	24	24	23	20	23	24	22	19	22	22	21	18	
kW	2.47	2.52	2.60	2.67	2.65	2.70	2.78	2.87	2.80	2.86	2.95	3.04	2.94	3.00	3.09	3.19	3.06	3.12	3.22	3.32	3.16	3.22	3.33	3.43		
Amps	8.6	8.8	9.0	9.2	9.1	9.3	9.5	9.8	9.7	9.9	10.1	10.4	10.2	10.4	10.7	11.0	10.7	10.9	11.2	11.6	11.2	11.4	11.7	12.1		
HI PR	225	242	256	267	253	272	287	299	287	309	326	340	327	352	372	388	368	396	418	436	407	438	462	482		
LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169		
MBh	32.0	32.6	34.2	36.4	31.3	31.9	33.4	35.6	30.5	31.1	32.6	34.7	29.8	30.3	31.8	33.9	28.3	28.8	30.2	32.2	26.2	26.7	28.0	29.8		
S/T	0.87	0.84	0.76	0.61	0.90	0.87	0.78	0.64	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.96	0.87	0.71		
ΔT	24	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	23	23	21	18		
kW	2.42	2.47	2.54	2.61	2.59	2.64	2.72	2.80	2.74	2.80	2.88	2.97	2.87	2.93	3.02	3.12	2.99	3.05	3.14	3.24	3.08	3.15	3.25	3.35		
Amps	8.5	8.6	8.8	9.0	8.9	9.1	9.3	9.6	9.5	9.7	9.9	10.2	10.0	10.2	10.4	10.8	10.5	10.7	11.0	11.3	11.0	11.2	11.5	11.8		
HI PR	218	235	248	259	245	264	278	290	279	300	317	330	317	341	361	376	357	384	406	423	394	424	448	467		
LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164		

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service ports.
 Shaded area reflects AHRI (TVA) conditions
 kW = Total system power
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

EXPANDED COOLING DATA — CPC048

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																								
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	1800	MBh	44.6	46.2	50.6	-	43.5	45.1	49.5	-	42.5	44.1	48.3	-	41.5	43.0	47.1	-	39.4	40.8	44.7	-	36.5	37.8	41.4	-
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.45	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
		kW	3.13	3.19	3.29	-	3.36	3.43	3.53	-	3.56	3.63	3.75	-	3.74	3.82	3.94	-	3.89	3.97	4.10	-	4.02	4.10	4.23	-
		Amps	10.2	10.4	10.6	-	10.8	11.0	11.3	-	11.5	11.7	12.0	-	12.1	12.3	12.6	-	12.7	12.9	13.3	-	13.3	13.5	13.9	-
	1600	HI PR	239	257	271	-	268	288	304	-	305	328	346	-	347	373	394	-	390	420	444	-	431	464	490	-
		LO PR	110	117	128	-	116	124	135	-	121	129	141	-	127	135	148	-	133	142	155	-	138	147	160	-
		MBh	43.3	44.9	49.2	-	42.3	43.8	48.0	-	41.3	42.8	46.9	-	40.3	41.7	45.7	-	38.3	39.6	43.4	-	35.4	36.7	40.2	-
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.81	0.68	0.47	-
		ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
1400	kW	3.11	3.17	3.27	-	3.33	3.40	3.51	-	3.53	3.61	3.72	-	3.71	3.79	3.90	-	3.86	3.94	4.06	-	3.99	4.07	4.20	-	
	Amps	10.1	10.3	10.6	-	10.7	10.9	11.2	-	11.4	11.6	11.9	-	12.0	12.2	12.5	-	12.6	12.8	13.2	-	13.2	13.4	13.8	-	
	HI PR	236	254	269	-	265	285	301	-	302	325	343	-	344	370	390	-	386	416	439	-	427	460	485	-	
	LO PR	109	116	127	-	115	123	134	-	120	128	139	-	126	134	146	-	132	140	153	-	136	145	158	-	
	MBh	40.0	41.4	45.4	-	39.0	40.4	44.3	-	38.1	39.5	43.3	-	37.2	38.5	42.2	-	35.3	36.6	40.1	-	32.7	33.9	37.1	-	

75	1800	MBh	45.3	46.7	50.5	54.2	44.3	45.6	49.4	53.0	43.2	44.5	48.2	51.7	42.2	43.4	47.0	50.4	40.1	41.3	44.7	47.9	37.1	38.2	41.4	44.4
		S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	0.82	0.62	0.40	0.96	0.86	0.65	0.42	0.96	0.86	0.65	0.42
		ΔT	19	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10
		kW	3.16	3.22	3.32	3.42	3.39	3.46	3.56	3.67	3.59	3.66	3.78	3.90	3.77	3.85	3.97	4.09	3.92	4.00	4.13	4.26	4.05	4.14	4.27	4.41
		Amps	10.3	10.4	10.7	11.0	10.9	11.1	11.3	11.7	11.6	11.8	12.1	12.4	12.2	12.4	12.7	13.1	12.8	13.0	13.4	13.8	13.4	13.6	14.0	14.4
	1600	HI PR	241	260	274	286	271	291	307	321	308	331	350	365	351	377	398	415	394	424	448	467	436	469	495	516
		LO PR	111	118	129	138	118	125	137	146	122	130	142	151	128	137	149	159	135	143	156	167	139	148	162	172
		MBh	44.0	45.3	49.1	52.7	43.0	44.3	47.9	51.4	42.0	43.2	46.8	50.2	41.0	42.2	45.6	49.0	38.9	40.1	43.4	46.5	36.0	37.1	40.2	43.1
		S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.59	0.38	0.91	0.82	0.62	0.40	0.92	0.82	0.62	0.40
		ΔT	20	19	15	11	21	19	15	11	21	19	15	11	21	19	16	11	20	19	15	11	19	18	14	10
1400	kW	3.13	3.20	3.29	3.39	3.36	3.43	3.53	3.64	3.56	3.63	3.75	3.87	3.74	3.82	3.94	4.06	3.89	3.97	4.10	4.23	4.02	4.10	4.24	4.37	
	Amps	10.2	10.4	10.6	10.9	10.8	11.0	11.3	11.6	11.5	11.7	12.0	12.3	12.1	12.3	12.6	13.0	12.7	12.9	13.3	13.7	13.3	13.5	13.9	14.3	
	HI PR	239	257	271	283	268	288	304	318	305	328	346	361	347	373	394	411	390	420	444	463	431	464	490	511	
	LO PR	110	117	128	136	116	124	135	144	121	129	141	150	127	135	148	157	133	142	155	165	138	147	160	171	
	MBh	40.6	41.8	45.3	48.6	39.7	40.9	44.2	47.5	38.7	39.9	43.2	46.3	37.8	38.9	42.1	45.2	35.9	37.0	40.0	42.9	33.3	34.2	37.1	39.8	

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service ports.
 Shaded area reflects ACCA (TVA) conditions
 kW = Total system power
 Amps: Unit amps (comp. + evaporator + condenser fan motors)

EXPANDED COOLING DATA — CPC048 (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																							
		65°F				75°F				85°F				95°F				105°F				115°F			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	MBh	46.1	47.2	50.4	53.9	45.1	46.1	49.2	52.6	44.0	45.0	48.0	51.4	42.9	43.9	46.9	50.1	40.8	41.7	44.5	47.6	37.8	38.6	41.2	44.1
	S/T	0.92	0.86	0.70	0.53	0.95	0.90	0.73	0.54	1.00	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.81	0.60
	ΔT	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	23	22	19	15	21	20	17	14
	kW	3.18	3.24	3.34	3.44	3.41	3.48	3.59	3.70	3.62	3.69	3.81	3.93	3.80	3.88	4.00	4.13	3.95	4.04	4.16	4.30	4.08	4.17	4.31	4.45
	Amps	10.3	10.5	10.8	11.1	10.9	11.1	11.4	11.7	11.7	11.9	12.2	12.5	12.3	12.5	12.8	13.2	12.9	13.1	13.5	13.9	13.5	13.7	14.1	14.5
	HI PR	244	262	277	289	273	294	311	324	311	335	353	368	354	381	402	420	398	429	453	472	440	474	500	522
	LO PR	112	120	131	139	119	126	138	147	124	131	143	153	130	138	151	160	136	145	158	168	141	150	163	174
	MBh	44.8	45.8	48.9	52.3	43.8	44.7	47.8	51.1	42.7	43.7	46.6	49.9	41.7	42.6	45.5	48.6	39.6	40.5	43.2	46.2	36.7	37.5	40.0	42.8
	S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.70	0.52	0.93	0.88	0.71	0.53	0.96	0.90	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.95	0.77	0.58
	ΔT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	20	18	14
	kW	3.16	3.22	3.32	3.42	3.39	3.46	3.56	3.67	3.59	3.66	3.78	3.90	3.77	3.85	3.97	4.10	3.92	4.00	4.13	4.26	4.05	4.14	4.27	4.41
	Amps	10.3	10.4	10.7	11.0	10.9	11.1	11.3	11.7	11.6	11.8	12.1	12.4	12.2	12.4	12.7	13.1	12.8	13.0	13.4	13.8	13.4	13.6	14.0	14.4
HI PR	241	260	274	286	271	291	308	321	308	331	350	365	351	377	398	415	394	424	448	467	436	469	495	516	
LO PR	111	118	129	138	118	125	137	146	122	130	142	151	128	137	149	159	135	143	156	167	139	148	162	172	
MBh	41.4	42.3	45.1	48.3	40.4	41.3	44.1	47.1	39.4	40.3	43.0	46.0	38.5	39.3	42.0	44.9	36.5	37.3	39.9	42.6	33.9	34.6	37.0	39.5	
S/T	0.85	0.79	0.65	0.48	0.88	0.82	0.67	0.50	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.74	0.55	0.97	0.91	0.74	0.55	
ΔT	23	22	19	15	23	22	19	16	23	22	19	16	23	22	20	16	23	22	19	15	22	21	18	14	
kW	3.09	3.15	3.24	3.34	3.31	3.38	3.48	3.59	3.50	3.58	3.69	3.80	3.68	3.76	3.87	4.00	3.83	3.91	4.03	4.16	3.95	4.04	4.17	4.30	
Amps	10.1	10.2	10.5	10.8	10.7	10.8	11.1	11.4	11.3	11.5	11.8	12.2	11.9	12.1	12.4	12.8	12.5	12.7	13.1	13.5	13.1	13.3	13.7	14.1	
HI PR	234	252	266	277	263	282	298	311	299	321	339	354	340	366	386	403	383	412	435	453	423	455	480	501	
LO PR	108	115	125	134	114	121	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167	

85	MBh	47.0	47.9	50.1	53.5	45.9	46.7	49.0	52.2	44.8	45.6	47.8	51.0	43.7	44.5	46.6	49.7	41.5	42.3	44.3	47.3	38.4	39.2	41.0	43.8
	S/T	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.99	0.89	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.78
	ΔT	23	23	22	19	23	23	22	19	22	23	22	19	22	23	22	19	21	22	22	19	20	20	20	18
	kW	3.20	3.27	3.37	3.47	3.44	3.51	3.62	3.73	3.65	3.72	3.84	3.96	3.83	3.91	4.03	4.16	3.98	4.07	4.20	4.33	4.12	4.21	4.34	4.48
	Amps	10.4	10.6	10.8	11.1	11.0	11.2	11.5	11.8	11.7	11.9	12.3	12.6	12.3	12.6	12.9	13.3	13.0	13.2	13.6	14.0	13.6	13.8	14.2	14.6
	HI PR	246	265	280	292	276	297	314	327	314	338	357	372	358	385	406	424	402	433	457	477	444	478	505	527
	LO PR	114	121	132	141	120	128	139	148	125	133	145	154	131	139	152	162	137	146	160	170	142	151	165	176
	MBh	45.6	46.5	48.7	51.9	44.5	45.4	47.5	50.7	43.5	44.3	46.4	49.5	42.4	43.2	45.3	48.3	40.3	41.1	43.0	45.9	37.3	38.0	39.8	42.5
	S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75
	ΔT	24	24	22	19	24	24	23	20	24	24	23	20	24	24	23	20	23	24	23	20	21	22	21	18
	kW	3.18	3.24	3.34	3.44	3.41	3.48	3.59	3.70	3.62	3.69	3.81	3.93	3.80	3.88	4.00	4.13	3.95	4.04	4.16	4.30	4.08	4.17	4.31	4.45
	Amps	10.3	10.5	10.8	11.1	10.9	11.1	11.4	11.7	11.7	11.9	12.2	12.5	12.3	12.5	12.8	13.2	12.9	13.1	13.5	13.9	13.5	13.7	14.1	14.5
HI PR	244	262	277	289	273	294	311	324	311	335	353	368	354	381	402	420	398	429	453	472	440	474	500	522	
LO PR	112	120	131	139	119	126	138	147	124	131	143	153	130	138	151	160	136	145	158	168	141	150	163	174	
MBh	42.1	42.9	44.9	47.9	41.1	41.9	43.9	46.8	40.1	40.9	42.8	45.7	39.1	39.9	41.8	44.6	37.2	37.9	39.7	42.4	34.4	35.1	36.8	39.2	
S/T	0.89	0.86	0.77	0.63	0.92	0.89	0.80	0.65	0.94	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.98	0.88	0.71	1.00	0.98	0.89	0.72	
ΔT	25	24	23	20	25	24	23	20	25	24	23	20	25	25	23	20	24	24	23	20	23	23	21	19	
kW	3.11	3.17	3.26	3.36	3.33	3.40	3.50	3.61	3.53	3.61	3.72	3.83	3.71	3.78	3.90	4.03	3.86	3.94	4.06	4.19	3.98	4.07	4.20	4.34	
Amps	10.1	10.3	10.6	10.8	10.7	10.9	11.2	11.5	11.4	11.6	11.9	12.3	12.0	12.2	12.5	12.9	12.6	12.8	13.2	13.6	13.2	13.4	13.8	14.2	
HI PR	236	254	269	280	265	285	301	314	302	324	343	357	343	370	390	407	386	416	439	458	427	459	485	506	
LO PR	109	116	127	135	115	123	134	143	120	127	139	148	126	134	146	156	132	140	153	163	136	145	158	169	

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service ports.
 Shaded area reflects AHRI (TV) conditions
 kW = Total system power
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

EXPANDED COOLING DATA — CPC060

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																								
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	2250	MBh	58.3	60.4	66.2	-	56.9	59.0	64.7	-	55.6	57.6	63.1	-	54.2	56.2	61.6	-	51.5	53.4	58.5	-	47.7	49.5	54.2	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
		ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-
		kW	3.97	4.06	4.18	-	4.27	4.36	4.50	-	4.54	4.64	4.78	-	4.77	4.88	5.03	-	4.97	5.08	5.25	-	5.14	5.25	5.43	-
	2000	Amps	12.4	12.7	13.0	-	13.3	13.5	13.9	-	14.2	14.5	14.9	-	15.0	15.3	15.7	-	15.8	16.1	16.6	-	16.6	17.0	17.5	-
		HI PR	244	262	277	-	273	294	311	-	311	335	353	-	354	381	402	-	398	429	453	-	440	474	500	-
		LO PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-
		MBh	56.6	58.7	64.3	-	55.3	57.3	62.8	-	54.0	55.9	61.3	-	52.7	54.6	59.8	-	50.0	51.8	56.8	-	46.3	48.0	52.6	-
	1750	S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		kW	3.94	4.02	4.15	-	4.24	4.33	4.47	-	4.50	4.60	4.75	-	4.73	4.84	4.99	-	4.93	5.04	5.20	-	5.10	5.21	5.38	-
		Amps	12.4	12.6	12.9	-	13.2	13.4	13.8	-	14.1	14.4	14.8	-	14.9	15.2	15.6	-	15.7	16.0	16.5	-	16.5	16.8	17.3	-

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																								
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
75	2250	MBh	59.3	61.0	66.1	70.9	57.9	59.6	64.5	69.3	56.5	58.2	63.0	67.6	55.2	56.8	61.5	66.0	52.4	53.9	58.4	62.7	48.5	50.0	54.1	58.1
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		ΔT	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	19	15	11	19	17	14	10
		kW	4.01	4.09	4.22	4.35	4.31	4.40	4.54	4.68	4.58	4.67	4.82	4.98	4.81	4.92	5.08	5.24	5.01	5.12	5.29	5.47	5.18	5.30	5.47	5.66
	2000	Amps	12.5	12.8	13.1	13.5	13.4	13.6	14.0	14.4	14.3	14.6	15.0	15.5	15.1	15.4	15.9	16.4	15.9	16.3	16.7	17.3	16.7	17.1	17.6	18.2
		HI PR	246	265	280	292	276	297	314	327	314	338	357	372	358	385	406	424	402	433	457	477	445	478	505	527
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
		MBh	57.6	59.3	64.2	68.9	56.2	57.9	62.7	67.3	54.9	56.5	61.2	65.7	53.6	55.1	59.7	64.1	50.9	52.4	56.7	60.8	47.1	48.5	52.5	56.4
	1750	S/T	0.79	0.71	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.37	0.87	0.77	0.59	0.38	0.90	0.80	0.61	0.39	0.91	0.81	0.61	0.39
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10
		kW	3.97	4.06	4.18	4.31	4.27	4.36	4.50	4.65	4.54	4.64	4.78	4.94	4.77	4.88	5.03	5.20	4.97	5.08	5.25	5.42	5.14	5.26	5.43	5.61
		Amps	12.4	12.7	13.0	13.4	13.3	13.5	13.9	14.3	14.2	14.5	14.9	15.4	15.0	15.3	15.7	16.3	15.8	16.1	16.6	17.2	16.6	17.0	17.5	18.0

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service ports.
 Shaded area reflects ACCA (TVA) conditions
 kW = Total system power
 Amps: Unit amps (comp. + evaporator + condenser fan motors)

EXPANDED COOLING DATA — CPC060 (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																									
		65°F				75°F				85°F				95°F				105°F				115°F					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
80	2250	MBh	60.3	61.7	65.9	70.4	58.9	60.2	64.3	68.8	57.5	58.8	62.8	67.2	56.1	57.4	61.3	65.5	53.3	54.5	58.2	62.2	49.4	50.5	53.9	57.7	
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.80	0.59	
		ΔT	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	20	21	18	14	20	21	18	14	
	2000	kW	4.04	4.12	4.25	4.38	4.34	4.43	4.58	4.72	4.61	4.71	4.86	5.02	4.85	4.96	5.12	5.29	5.05	5.16	5.33	5.51	5.23	5.34	5.52	5.71	
		Amps	12.6	12.9	13.2	13.6	13.5	13.7	14.1	14.5	14.4	14.7	15.1	15.6	15.2	15.6	16.0	16.5	16.1	16.4	16.9	17.4	16.9	17.2	17.7	18.3	
		HI PR	249	267	282	295	279	300	317	331	317	341	360	376	361	389	411	428	406	437	462	482	449	483	510	532	
	1750	LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169	
		MBh	58.6	59.9	64.0	68.4	57.2	58.5	62.5	66.8	55.9	57.1	61.0	65.2	54.5	55.7	59.5	63.6	51.8	52.9	56.5	60.4	48.0	49.0	52.4	56.0	
		S/T	0.87	0.81	0.66	0.49	0.90	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.99	0.92	0.75	0.56	0.99	0.93	0.76	0.57	
	85	2250	ΔT	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15
			kW	4.01	4.09	4.22	4.35	4.31	4.40	4.54	4.69	4.58	4.67	4.82	4.98	4.81	4.92	5.08	5.24	5.01	5.12	5.29	5.47	5.19	5.30	5.47	5.66
			Amps	12.5	12.8	13.1	13.5	13.4	13.6	14.0	14.4	14.3	14.6	15.0	15.5	15.1	15.4	15.9	16.4	15.9	16.3	16.7	17.3	16.8	17.1	17.6	18.2
2000		HI PR	246	265	280	292	276	297	314	327	314	338	357	372	358	385	407	424	402	433	457	477	445	478	505	527	
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167	
		MBh	54.1	55.3	59.0	63.1	52.8	54.0	57.7	61.6	51.6	52.7	56.3	60.2	50.3	51.4	54.9	58.7	47.8	48.8	52.2	55.8	44.3	45.2	48.3	51.7	
1750		S/T	0.83	0.78	0.64	0.48	0.86	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.96	0.90	0.73	0.55	
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15	
		kW	3.91	3.99	4.12	4.24	4.21	4.29	4.43	4.57	4.46	4.56	4.71	4.86	4.69	4.80	4.95	5.11	4.89	5.00	5.16	5.33	5.06	5.17	5.34	5.52	
2250		Amps	12.3	12.5	12.8	13.2	13.1	13.3	13.7	14.1	14.0	14.3	14.7	15.1	14.8	15.1	15.5	16.0	15.6	15.9	16.3	16.9	16.4	16.7	17.2	17.7	
		HI PR	239	257	271	283	268	288	304	317	305	328	346	361	347	373	394	411	390	420	444	463	431	464	490	511	
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162	
85	2250	MBh	61.4	62.6	65.6	69.9	60.0	61.1	64.0	68.3	58.5	59.7	62.5	66.7	57.1	58.2	61.0	65.1	54.3	55.3	57.9	61.8	50.3	51.2	53.7	57.2	
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77	
		ΔT	24	23	22	19	24	24	22	19	24	24	22	19	23	24	23	20	22	23	22	19	21	21	21	18	
	2000	kW	4.07	4.15	4.28	4.42	4.38	4.47	4.61	4.76	4.65	4.75	4.90	5.06	4.89	5.00	5.16	5.33	5.10	5.21	5.38	5.56	5.27	5.39	5.57	5.75	
		Amps	12.7	13.0	13.3	13.7	13.6	13.8	14.2	14.6	14.5	14.8	15.2	15.7	15.4	15.7	16.1	16.6	16.2	16.5	17.0	17.6	17.0	17.4	17.9	18.5	
		HI PR	251	270	285	298	282	303	320	334	320	345	364	380	365	393	415	433	411	442	467	487	454	488	515	538	
	1750	LO PR	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171	
		MBh	59.6	60.8	63.6	67.9	58.2	59.4	62.2	66.3	56.8	57.9	60.7	64.7	55.5	56.5	59.2	63.2	52.7	53.7	56.2	60.0	48.8	49.7	52.1	55.6	
		S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74	
	85	2250	ΔT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	24	20	24	25	23	20	22	23	22	19
			kW	4.04	4.12	4.25	4.38	4.34	4.43	4.58	4.72	4.61	4.71	4.86	5.02	4.85	4.96	5.12	5.29	5.05	5.16	5.33	5.51	5.23	5.34	5.52	5.71
			Amps	12.6	12.9	13.2	13.6	13.5	13.7	14.1	14.5	14.4	14.7	15.1	15.6	15.2	15.6	16.0	16.5	16.1	16.4	16.9	17.4	16.9	17.2	17.7	18.3
2000		HI PR	249	267	282	295	279	300	317	331	317	341	360	376	361	389	411	428	406	437	462	482	449	483	510	532	
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169	
		MBh	55.0	56.1	58.7	62.7	53.7	54.8	57.4	61.2	52.5	53.5	56.0	59.8	51.2	52.2	54.6	58.3	48.6	49.6	51.9	55.4	45.0	45.9	48.1	51.3	
1750		S/T	0.87	0.84	0.76	0.62	0.91	0.87	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.97	0.87	0.71	
		ΔT	25	25	24	20	26	25	24	21	26	25	24	21	26	25	24	21	25	25	24	20	24	23	22	19	
		kW	3.94	4.02	4.15	4.28	4.24	4.33	4.46	4.61	4.50	4.60	4.74	4.90	4.73	4.83	4.99	5.16	4.93	5.04	5.20	5.37	5.10	5.21	5.38	5.56	
1750		Amps	12.3	12.6	12.9	13.3	13.2	13.4	13.8	14.2	14.1	14.4	14.8	15.2	14.9	15.2	15.6	16.1	15.7	16.0	16.5	17.0	16.5	16.8	17.3	17.9	
		HI PR	241	259	274	286	271	291	307	321	308	331	350	365	350	377	398	415	394	424	448	467	436	469	495	516	
		LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164	

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service ports.
 Shaded area reflects AHRI (TV) conditions
 kW = Total system power
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

EXPANDED COOLING DATA — CPC072

IDB		OUTDOOR AMBIENT TEMPERATURE																																															
		65								75								85								95								105								115							
		AIRFLOW						ENTERING INDOOR WET BULB TEMPERATURE						ENTERING INDOOR WET BULB TEMPERATURE						ENTERING INDOOR WET BULB TEMPERATURE						ENTERING INDOOR WET BULB TEMPERATURE						ENTERING INDOOR WET BULB TEMPERATURE																	
70	2400	MBh	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71							
		S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-							
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-							
		kW	5.08	5.18	5.33	-	5.44	5.54	5.71	-	5.75	5.86	6.04	-	6.02	6.15	6.33	-	6.26	6.39	6.58	-	6.26	6.39	6.58	-	6.26	6.39	6.58	-	6.26	6.39	6.58	-	6.26	6.39	6.58	-											
		HI PR	237	255	270	-	266	286	302	-	303	326	344	-	345	371	392	-	388	417	441	-	388	417	441	-	388	417	441	-	388	417	441	-	388	417	441	-											
		LO PR	107	114	124	-	113	120	131	-	117	125	136	-	123	131	143	-	129	137	150	-	129	137	150	-	129	137	150	-	129	137	150	-	129	137	150	-											
	MBh	67.5	70.0	76.7	-	66.0	68.4	74.9	-	64.4	66.8	73.1	-	62.8	65.1	71.4	-	59.7	61.9	67.8	-	59.7	61.9	67.8	-	59.7	61.9	67.8	-	59.7	61.9	67.8	-	59.7	61.9	67.8	-												
	S/T	0.65	0.55	0.38	-	0.68	0.57	0.39	-	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.74	0.62	0.43	-	0.74	0.62	0.43	-	0.74	0.62	0.43	-	0.74	0.62	0.43	-												
	ΔT	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-												
	kW	5.06	5.16	5.30	-	5.41	5.52	5.68	-	5.72	5.83	6.01	-	5.99	6.11	6.30	-	6.22	6.35	6.54	-	6.22	6.35	6.54	-	6.22	6.35	6.54	-	6.22	6.35	6.54	-	6.22	6.35	6.54	-												
	HI PR	236	253	268	-	264	284	300	-	301	323	342	-	342	368	389	-	385	414	438	-	385	414	438	-	385	414	438	-	385	414	438	-	385	414	438	-												
	LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	128	136	149	-	128	136	149	-	128	136	149	-	128	136	149	-												
MBh	62.3	64.6	70.8	-	60.9	63.1	69.2	-	59.4	61.6	67.5	-	58.0	60.1	65.9	-	55.1	57.1	62.6	-	55.1	57.1	62.6	-	55.1	57.1	62.6	-	55.1	57.1	62.6	-	55.1	57.1	62.6	-													
S/T	0.63	0.53	0.36	-	0.65	0.55	0.38	-	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.72	0.60	0.42	-	0.72	0.60	0.42	-	0.72	0.60	0.42	-	0.72	0.60	0.42	-													
ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-													
kW	4.95	5.04	5.19	-	5.29	5.39	5.55	-	5.59	5.70	5.87	-	5.85	5.97	6.15	-	6.08	6.20	6.39	-	6.08	6.20	6.39	-	6.08	6.20	6.39	-	6.08	6.20	6.39	-	6.08	6.20	6.39	-													
HI PR	228	246	260	-	256	276	291	-	292	314	331	-	332	357	377	-	374	402	425	-	374	402	425	-	374	402	425	-	374	402	425	-	374	402	425	-													
LO PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	124	132	144	-	124	132	144	-	124	132	144	-	124	132	144	-													

75	2400	MBh	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
		S/T	0.78	0.69	0.53	0.34	0.80	0.72	0.54	0.35	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.88	0.79	0.60	0.38	0.89	0.80	0.60	0.39	0.89	0.80	0.60	0.39	0.89	0.80	0.60	0.39				
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11				
		kW	5.12	5.22	5.37	5.53	5.48	5.59	5.75	5.92	5.79	5.91	6.08	6.27	6.07	6.19	6.38	6.58	6.31	6.44	6.63	6.84	6.31	6.44	6.63	6.84	6.51	6.64	6.85	7.07	6.51	6.64	6.85	7.07								
		HI PR	240	258	272	284	269	289	306	319	306	329	347	362	348	375	396	413	392	422	445	464	392	422	445	464	433	466	492	513	433	466	492	513								
		LO PR	108	115	125	133	114	121	132	141	118	126	138	147	124	132	145	154	130	139	151	161	130	139	151	161	135	144	157	167	135	144	157	167								
	MBh	68.7	70.7	76.6	82.2	67.1	69.1	74.8	80.3	65.5	67.4	73.0	78.3	63.9	65.8	71.2	76.4	60.7	62.5	67.7	72.6	60.7	62.5	67.7	72.6	56.2	57.9	62.7	67.3	56.2	57.9	62.7	67.3									
	S/T	0.74	0.66	0.50	0.32	0.77	0.69	0.52	0.34	0.79	0.71	0.53	0.34	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.85	0.76	0.57	0.37	0.85	0.76	0.58	0.37	0.85	0.76	0.58	0.37									
	ΔT	22	20	16	11	22	20	17	12	22	20	17	12	22	21	17	12	22	20	17	11	22	20	17	11	21	19	15	11	21	19	15	11									
	kW	5.10	5.19	5.34	5.50	5.45	5.56	5.72	5.89	5.76	5.88	6.05	6.24	6.04	6.16	6.35	6.54	6.27	6.40	6.60	6.80	6.27	6.40	6.60	6.80	6.47	6.61	6.81	7.03	6.47	6.61	6.81	7.03									
	HI PR	238	256	270	282	267	287	303	316	304	327	345	360	346	372	393	410	389	419	442	461	389	419	442	461	430	463	489	510	430	463	489	510									
	LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	130	138	150	160	134	143	156	166	134	143	156	166									
MBh	63.4	65.3	70.7	75.8	61.9	63.8	69.0	74.1	60.5	62.2	67.4	72.3	59.0	60.7	65.7	70.5	56.0	57.7	62.4	67.0	56.0	57.7	62.4	67.0	51.9	53.4	57.8	62.1	51.9	53.4	57.8	62.1										
S/T	0.72	0.64	0.49	0.31	0.74	0.66	0.50	0.32	0.76	0.68	0.52	0.33	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.82	0.73	0.55	0.36	0.82	0.74	0.56	0.36	0.82	0.74	0.56	0.36										
ΔT	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	22	21	17	12	22	21	17	12	21	19	16	11										
kW	4.99	5.08	5.22	5.38	5.33	5.43	5.59	5.76	5.63	5.74	5.91	6.09	5.90	6.02	6.20	6.39	6.13	6.25	6.44	6.64	6.13	6.25	6.44	6.64	6.32	6.45	6.65	6.86	6.32	6.45	6.65	6.86										
HI PR	231	248	262	274	259	279	294	307	295	317	335	349	335	361	381	398	377	406	429	447	377	406	429	447	417	449	474	494	417	449	474	494										
LO PR	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	126	134	146	155	130	138	151	161	130	138	151	161										

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects ACCA (TVA) Rating Conditions
 Amps: Unit amps (comp. + evaporator + condenser fan motors)
 kW = Total system power

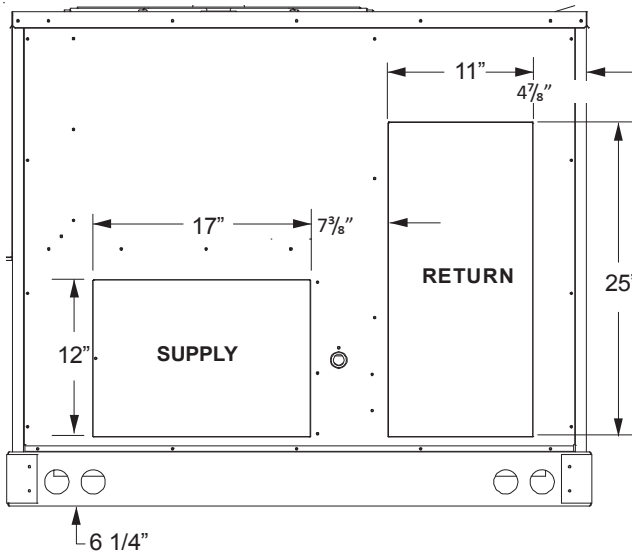
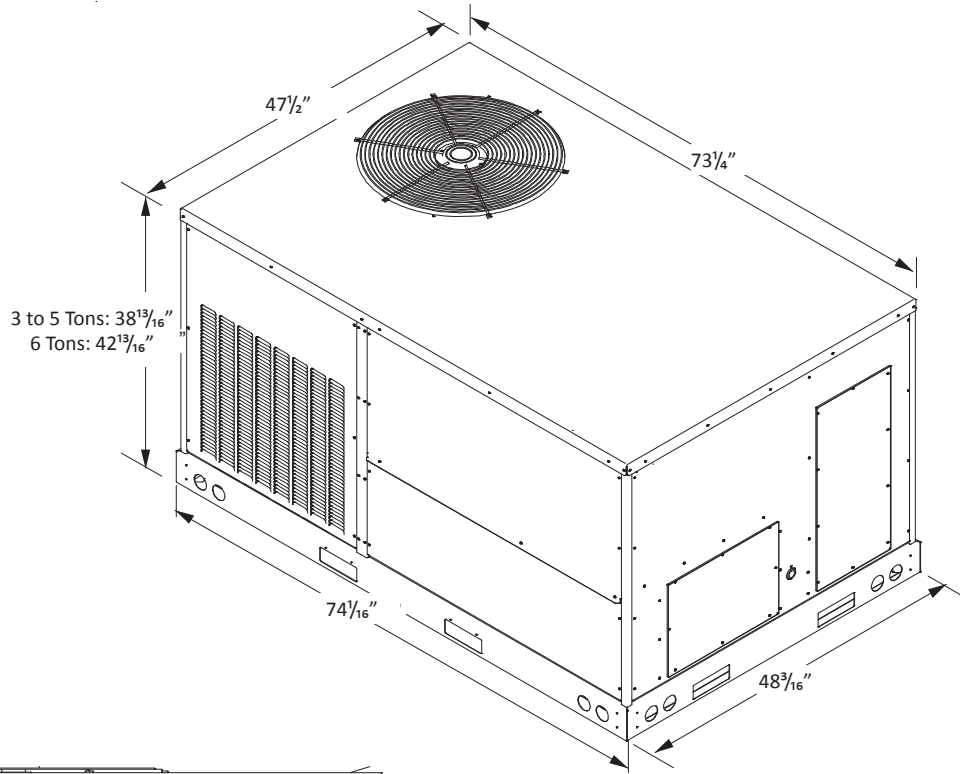
EXPANDED COOLING DATA — CPC072 (CONT.)

IDB		OUTDOOR AMBIENT TEMPERATURE																																			
		65						75						85						95						105						115					
		AIRFLOW				ENTERING INDOOR WET BULB TEMPERATURE				ENTERING INDOOR WET BULB TEMPERATURE				ENTERING INDOOR WET BULB TEMPERATURE				ENTERING INDOOR WET BULB TEMPERATURE				ENTERING INDOOR WET BULB TEMPERATURE				ENTERING INDOOR WET BULB TEMPERATURE				ENTERING INDOOR WET BULB TEMPERATURE							
59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71						
2400	MBh	71.0	72.5	77.5	82.8	69.3	70.8	75.7	80.9	67.7	69.1	73.9	79.0	66.0	67.5	72.1	77.0	62.7	64.1	68.5	73.2	58.1	59.4	63.4	67.8	58.1	59.4	63.4	67.8								
	S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56	0.98	0.92	0.75	0.56								
	ΔT	23	22	19	15	23	22	20	16	23	22	20	16	24	23	20	16	23	22	19	16	22	21	18	14	22	21	18	14								
	kW	5.16	5.26	5.41	5.57	5.52	5.63	5.79	5.97	5.84	5.95	6.13	6.32	6.12	6.24	6.43	6.63	6.36	6.49	6.69	6.90	6.56	6.70	6.90	7.12	6.56	6.70	6.90	7.12								
	HI PR	242	260	275	287	272	292	309	322	309	332	351	366	352	379	400	417	396	426	450	469	437	471	497	518	437	471	497	518								
	LO PR	109	116	127	135	115	123	134	142	120	127	139	148	126	134	146	156	132	140	153	163	136	145	158	169	136	145	158	169								
2150	MBh	69.9	71.4	76.3	81.6	68.3	69.8	74.6	79.7	66.7	68.1	72.8	77.8	65.0	66.5	71.0	75.9	61.8	63.1	67.5	72.1	57.2	58.5	62.5	66.8	57.2	58.5	62.5	66.8								
	S/T	0.82	0.76	0.62	0.47	0.84	0.79	0.64	0.48	0.87	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.94	0.88	0.71	0.53	0.94	0.88	0.71	0.53								
	ΔT	24	23	20	16	25	24	21	16	25	24	21	16	25	24	21	17	25	24	20	16	23	22	19	15	23	22	19	15								
	kW	5.13	5.23	5.38	5.54	5.49	5.60	5.76	5.94	5.81	5.92	6.10	6.29	6.08	6.21	6.40	6.59	6.32	6.45	6.65	6.86	6.53	6.66	6.87	7.08	6.53	6.66	6.87	7.08								
	HI PR	240	259	273	285	270	290	306	320	307	330	349	364	349	376	397	414	393	423	447	466	434	467	493	515	434	467	493	515								
	LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167	135	144	157	167								
1875	MBh	64.5	65.9	70.4	75.3	63.0	64.4	68.8	73.6	61.5	62.9	67.2	71.8	60.0	61.3	65.5	70.1	57.0	58.3	62.3	66.6	52.8	54.0	57.7	61.6	52.8	54.0	57.7	61.6								
	S/T	0.79	0.74	0.60	0.45	0.81	0.76	0.62	0.46	0.84	0.78	0.64	0.48	0.86	0.81	0.66	0.49	0.90	0.84	0.68	0.51	0.90	0.85	0.69	0.51	0.90	0.85	0.69	0.51								
	ΔT	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	16	23	22	19	16								
	kW	5.02	5.12	5.26	5.42	5.37	5.47	5.63	5.80	5.67	5.79	5.96	6.14	5.95	6.07	6.25	6.44	6.17	6.30	6.49	6.69	6.37	6.50	6.70	6.91	6.37	6.50	6.70	6.91								
	HI PR	233	251	265	276	262	282	297	310	298	320	338	353	339	365	385	402	381	410	433	452	421	453	479	499	421	453	479	499								
	LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162	131	140	152	162								

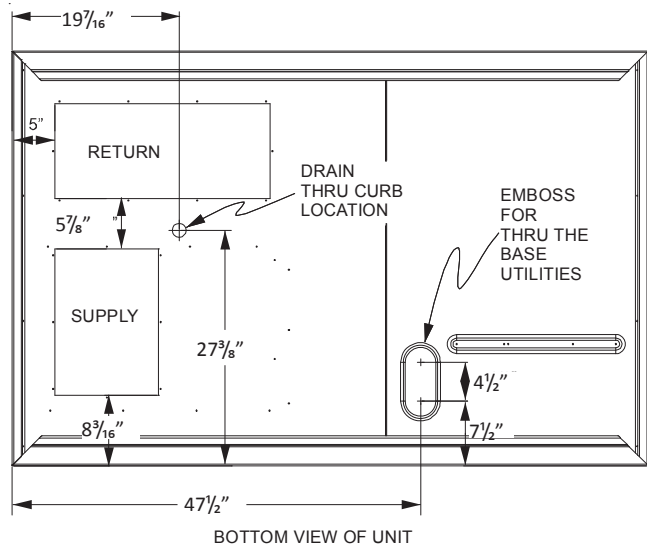
IDB		OUTDOOR AMBIENT TEMPERATURE																																			
		65						75						85						95						105						115					
		AIRFLOW				ENTERING INDOOR WET BULB TEMPERATURE				ENTERING INDOOR WET BULB TEMPERATURE				ENTERING INDOOR WET BULB TEMPERATURE				ENTERING INDOOR WET BULB TEMPERATURE				ENTERING INDOOR WET BULB TEMPERATURE				ENTERING INDOOR WET BULB TEMPERATURE				ENTERING INDOOR WET BULB TEMPERATURE							
59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71						
2400	MBh	72.2	73.6	77.1	82.2	70.5	71.9	75.3	80.3	68.8	70.2	73.5	78.4	67.2	68.5	71.7	76.5	63.8	65.0	68.1	72.7	59.1	60.2	63.1	67.3	59.1	60.2	63.1	67.3								
	S/T	0.89	0.86	0.78	0.63	0.93	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.99	0.89	0.72	1.00	0.99	0.89	0.72								
	ΔT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	24	24	23	20	23	23	22	19	23	23	22	19								
	kW	5.20	5.30	5.45	5.61	5.56	5.67	5.84	6.01	5.88	6.00	6.18	6.37	6.16	6.29	6.48	6.68	6.40	6.54	6.74	6.95	6.61	6.75	6.96	7.18	6.61	6.75	6.96	7.18								
	HI PR	244	263	278	290	274	295	312	325	312	336	355	370	355	382	404	421	400	430	454	474	442	475	502	523	442	475	502	523								
	LO PR	110	117	128	136	116	124	135	144	121	129	140	150	127	135	147	157	133	142	155	165	138	146	160	170	138	146	160	170								
2150	MBh	71.1	72.5	75.9	81.0	69.5	70.8	74.2	79.1	67.8	69.1	72.4	77.3	66.2	67.5	70.6	75.4	62.9	64.1	67.1	71.6	58.2	59.4	62.2	66.3	58.2	59.4	62.2	66.3								
	S/T	0.85	0.82	0.74	0.60	0.89	0.85	0.77	0.63	0.91	0.88	0.79	0.64	0.94	0.90	0.82	0.66	0.97	0.94	0.85	0.69	0.98	0.95	0.85	0.69	0.98	0.95	0.85	0.69								
	ΔT	26	26	24	21	26	26	24	21	26	26	24	21	27	26	25	21	26	26	24	21	24	24	23	20	24	24	23	20								
	kW	5.17	5.27	5.42	5.58	5.53	5.64	5.81	5.98	5.85	5.97	6.15	6.33	6.13	6.26	6.45	6.65	6.37	6.50	6.70	6.91	6.58	6.71	6.92	7.14	6.58	6.71	6.92	7.14								
	HI PR	243	261	276	288	272	293	310	323	310	333	352	367	353	380	401	418	397	427	451	470	439	472	498	520	439	472	498	520								
	LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169	137	145	159	169								
1875	MBh	65.7	66.9	70.1	74.8	64.1	65.4	68.5	73.0	62.6	63.8	66.8	71.3	61.1	62.3	65.2	69.6	58.0	59.1	61.9	66.1	53.7	54.8	57.4	61.2	53.7	54.8	57.4	61.2								
	S/T	0.82	0.80	0.72	0.58	0.85	0.82	0.74	0.60	0.88	0.85	0.76	0.62	0.90	0.87	0.79	0.64	0.94	0.91	0.82	0.66	0.95	0.91	0.82	0.67	0.95	0.91	0.82	0.67								
	ΔT	27	26	25	21	27	26	25	22	27	26	25	22	27	27	25	22	27	26	25	21	25	25	23	20	25	25	23	20								
	kW	5.06	5.15	5.30	5.46	5.41	5.51	5.67	5.84	5.72	5.83	6.00	6.19	5.99	6.11	6.30	6.49	6.22	6.35	6.54	6.75	6.42	6.55	6.76	6.97	6.42	6.55	6.76	6.97								
	HI PR	235	253	268	279	264	284	300	313	301	323	341	356	342	368	389	406	385	414	438	456	425	458	483	504	425	458	483	504								
	LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164	133	141	154	164								

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects AHRI (TVA) Rating Conditions
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = Total system power

DIMENSIONS



Horizontal Discharge

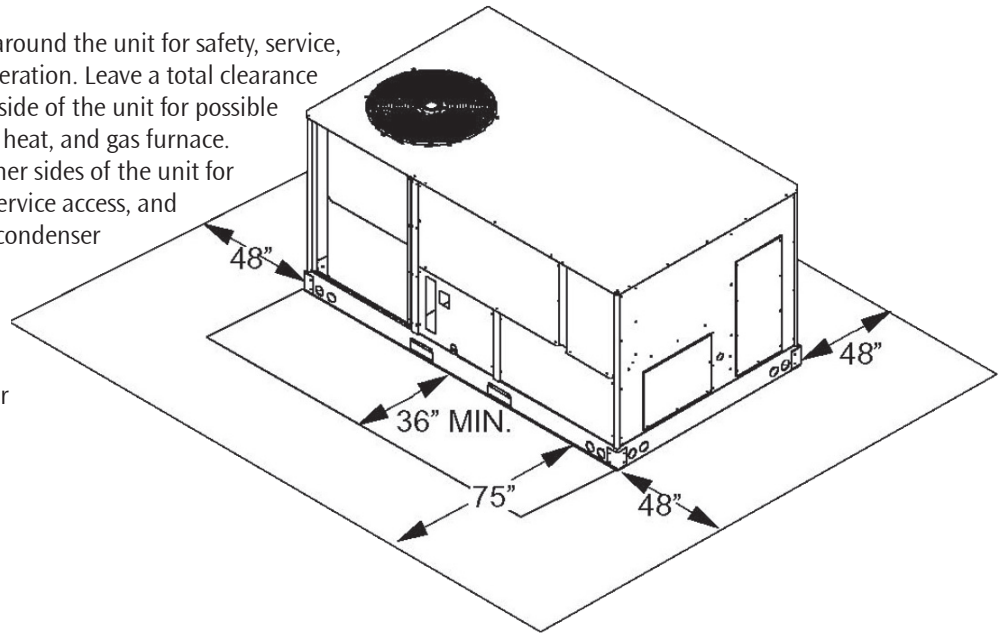


BOTTOM VIEW OF UNIT

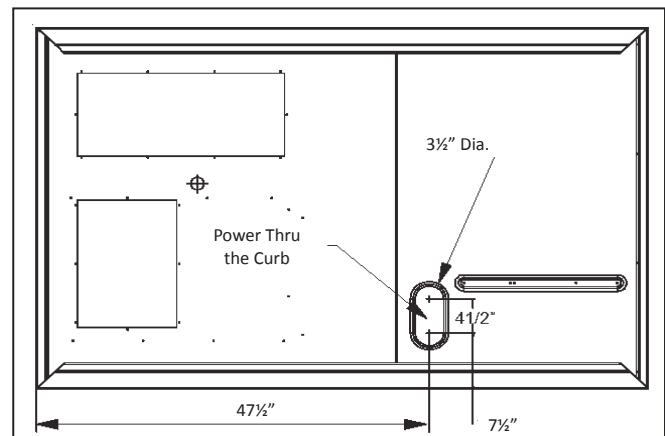
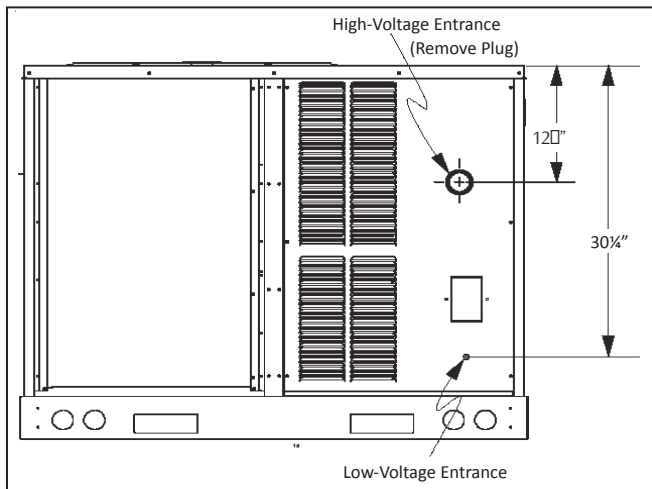
Vertical Discharge

UNIT CLEARANCES

Maintain an adequate clearance around the unit for safety, service, maintenance, and proper unit operation. Leave a total clearance of 75" on the main control panel side of the unit for possible removal of fan shaft, coil, electric heat, and gas furnace. Leave a clearance of 48" on all other sides of the unit for possible compressor removal or service access, and to ensure proper ventilation and condenser airflow. Do not install the unit beneath any obstruction. Install the unit away from all building exhausts to inhibit ingestion of exhaust air into the unit's fresh-air intake.



ELECTRICAL ENTRANCE LOCATIONS



ROOF CURB INSTALLATION — RIGGING

Provisions for forks have been included in the unit base frame. No other fork locations are approved.

- Unit must be lifted by the four lifting holes located at the base frame corners.
- Lifting cables should be attached to the unit with shackles.
- The distance between the crane hook and the top of the unit must not be less than 60”.
- Two spreader bars must span over the unit to prevent damage to the cabinet by the lift cables. Spreader bars must be of sufficient length so that cables do not come in contact with the unit during transport. Remove wood struts mounted beneath unit base frame before setting unit on roof curb. These struts are intended to protect unit base frame from fork lift damage. To remove the struts, extract the sheet metal retainers and pull the struts through the base of the unit. Refer to rigging label on the unit.

Important: If using bottom discharge with roof curb, duct-work should be attached to the curb prior to installing the unit. Duct-work dimensions are shown in Roof Curb Installation Instructions Manual.

Refer to the Roof Curb Installation Instructions for proper curb installation.

Curbing must be installed in compliance with the National Roofing Contractors Association Manual.

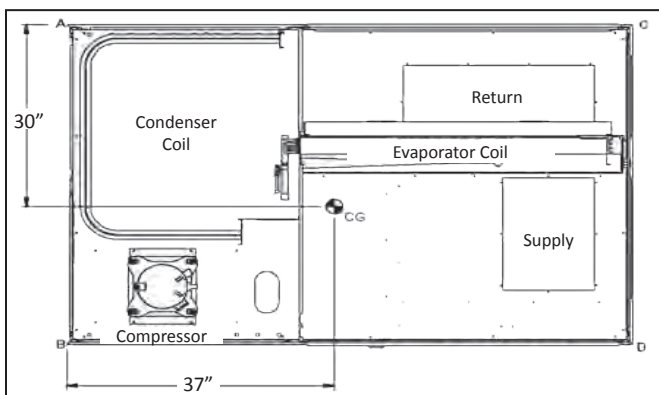
Lower unit carefully onto roof mounting curb. While rigging the unit, the center of gravity will cause the condenser end to be lower than the supply air end.

Bring condenser end of unit into alignment with the curb. With condenser end of the unit resting on curb member and using curb as a fulcrum, lower opposite end of the unit until entire unit is seated on the curb. When a rectangular cantilever curb is used, take care to center the unit. Check for proper alignment and orientation of supply and return openings with duct.

To assist in determining rigging requirements, unit weights are shown below.



CORNER & CENTER-OF-GRAVITY LOCATIONS



UNIT WEIGHTS	3-TON WEIGHTS	4-TON WEIGHTS	5-TON WEIGHTS	6-TON WEIGHTS
Corner Weight (A)	115	120	130	150
Corner Weight (B)	150	150	160	190
Corner Weight (C)	105	105	115	130
Corner Weight (D)	130	135	150	170
Unit Shipping Weight	525	540	580	665
Unit Operating Weight	500	515	555	640

Note: Weights are calculated without accessories installed.

ROOF CURB INSTALLATION (CONT.)

Curb installations must comply with local codes and should follow the established guidelines of the National Roofing Contractors Association.

Proper unit installation requires that the roof curb be firmly and permanently attached to the roof structure. Check for adequate fastening method prior to setting the unit on the curb.

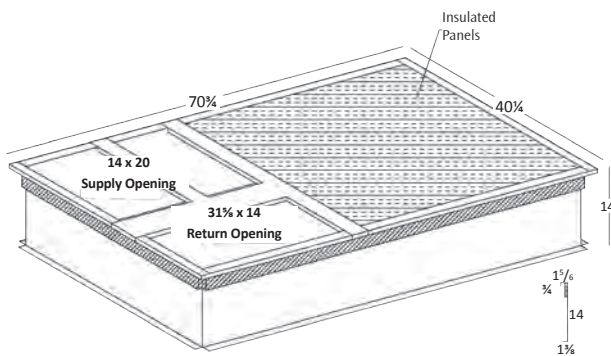
Full perimeter roof curbs are available from the factory and are shipped unassembled. The installing contractor is responsible for field assembly, squaring, leveling, and mounting on the roof structure. All required hardware necessary for the assembly of the sheet metal curb is included in the curb accessory package.

- Determine sufficient structural support before locating and mounting the curb and package unit.
- Duct-work must be constructed using industry guidelines. The duct-work must be placed into the roof curb before mounting the package unit. Our full perimeter curbs include duct connection frames to be assembled with the curb. Cantilevered-type curbs are not available from the factory.
- Contractor furnishes curb insulation, cant strips, flashing, and general roofing material.
- Support curbs on parallel sides with roof members. To prevent damage to the unit, the roof members cannot penetrate supply and return duct openings.

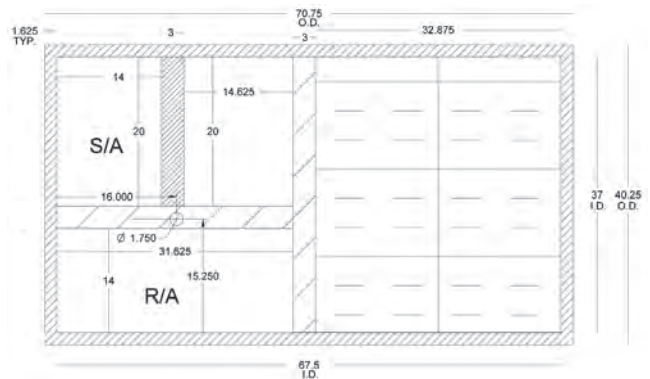
Note: The unit and curb accessories are designed to allow Down Shot duct installation before unit placement. Duct installation after unit placement is not recommended.

See the manual shipped with the roof curb for assembly and installation instructions.

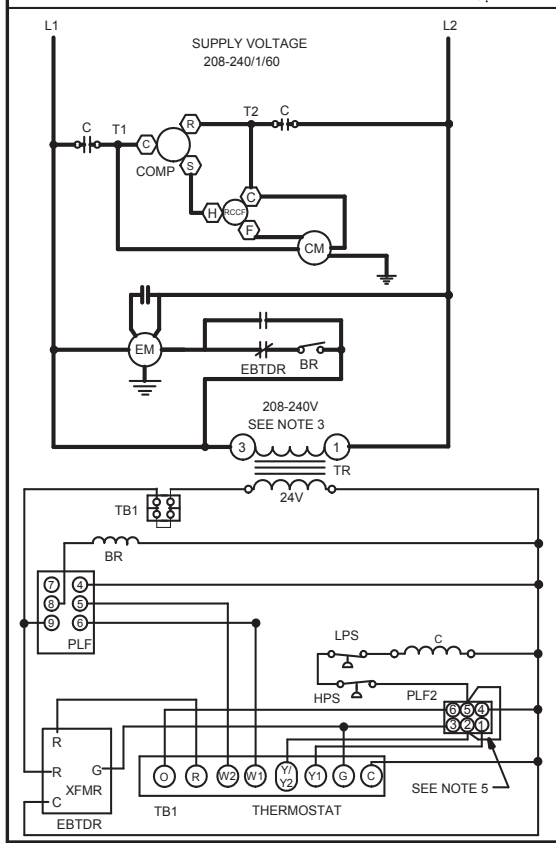
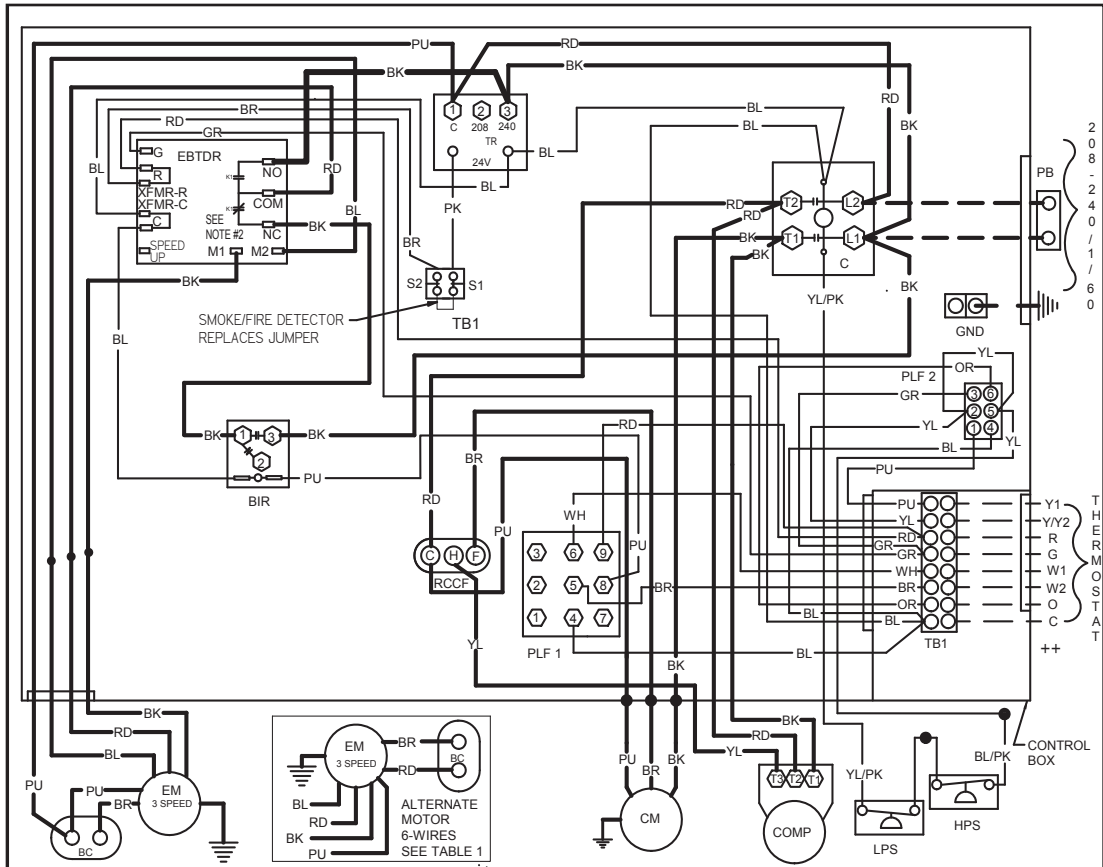
3-D VIEW FOR BA MODELS



TOP VIEW FOR BA MODELS



WIRING DIAGRAM — CPC036/48*1D (SINGLE PHASE, DIRECT DRIVE)



COMPONENT LEGEND

BC BLOWER CAPACITOR
 BIR BLOWER INTERLOCK RELAY
 C CONTACTOR
 CM CONDENSER MOTOR
 COMP COMPRESSOR
 EM EVAPORATOR MOTOR
 GND EQUIPMENT GROUND
 HPS HIGH PRESSURE SWITCH
 LPS LOW PRESSURE SWITCH
 PLF FEMALE PLUG / CONNECTOR
 RCCF RUN CAPACITOR FOR CONDENSER FAN
 TB1 TERMINAL BLOCK (24V SIGNAL)
 TR TRANSFORMER

NOTES:

- REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
- TO CHANGE EVAPORATOR MOTOR SPEED MOVE M1 OR M2 WIRE TO COM TERMINAL ON EBTDR AND PLACE WIRE REMOVED FROM COM ON EMPTY M1 OR M2 TERMINAL.
- FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRES FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
- USE COPPER CONDUCTORS ONLY ++ USE N.E.C. CLASS 2 WIRE
- ECONOMIZER PLUG LOCATED IN THE RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO ECONOMIZER ACCESSORY.
- DIAGRAM SHOWS FACTORY SPEED TAP SETTINGS.

COLOR	TERMINATION
RD	COM (EBTDR)
BK	M1 (EBTDR)
BL	M2 (EBTDR)
PU	PIN 1 (24V XFMR)

RD	LOW
BL	MED
BK	HIGH

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION

208-240/1/60 0140L00504 REV A

FACTORY WIRING

— LINE VOLTAGE
 - - - LOW VOLTAGE
 - - - - - OPTIONAL HIGH VOLTAGE

FIELD WIRING

— HIGH VOLTAGE
 - - - LOW VOLTAGE

WIRE CODE

BK BLACK
 BL BLUE
 BR BROWN
 GR GREEN
 OR ORANGE
 PK PINK
 PU PURPLE
 RD RED
 WH WHITE
 YL YELLOW
 BL/PK BLUE WITH PINK STRIP
 YL/PK YELLOW WITH PINK STRIP

THERMOSTAT FIELD WIRING ++

NO ECONOMIZER

W1 — WH — W
 W2 — GR — G
 O — RD — R
 C — YL — Y2
 Y1 — BL — C
 O — OR — O
 STAT

WITH ECONOMIZER OPTION

W1 — WH — W
 W2 — GR — G
 O — RD — R
 Y1 — YL — Y
 C — BL — C
 O — OR — O
 STAT

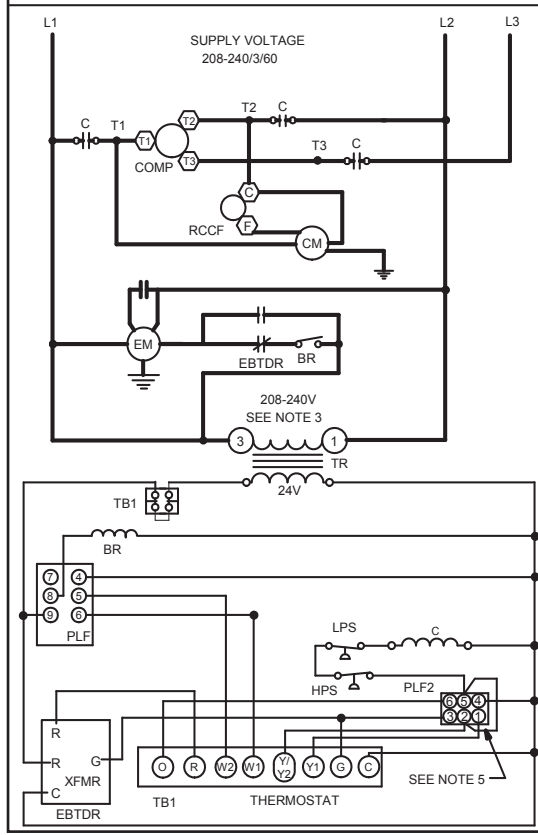
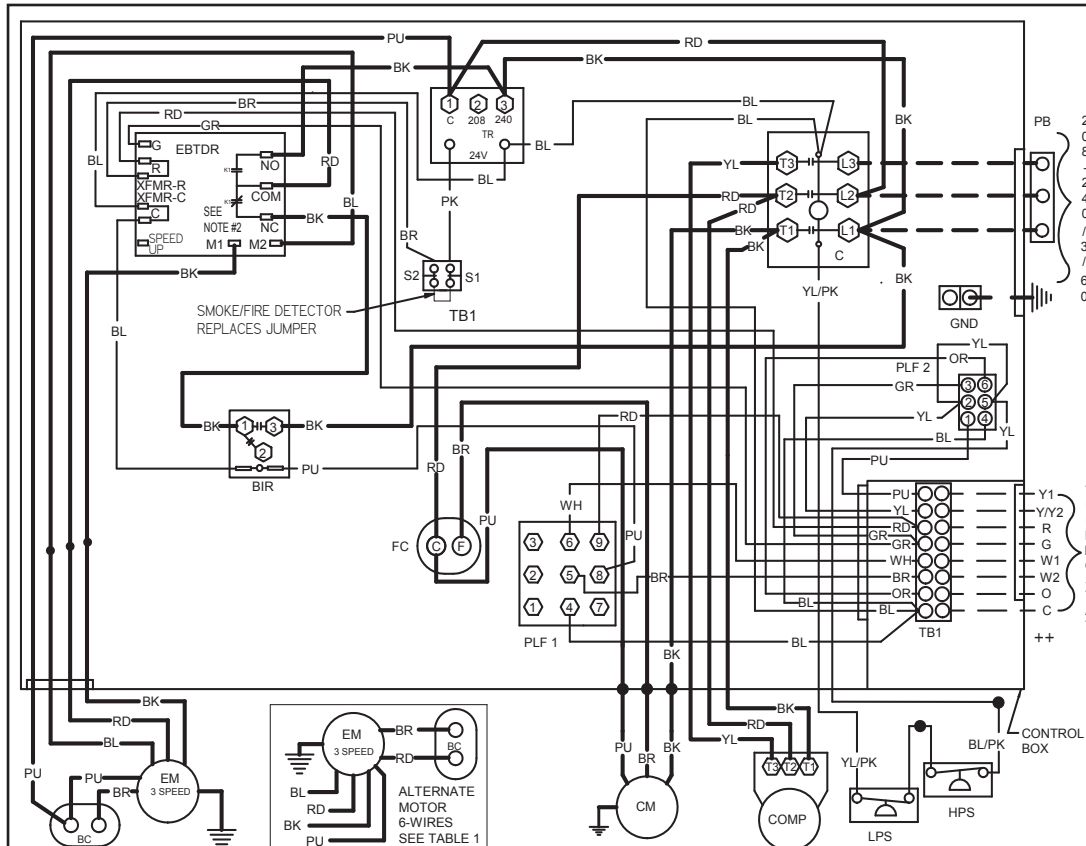
2 STAGE COOLING

W1 — WH — W
 W2 — GR — G
 O — RD — R
 Y1 — YL — Y1
 Y2 — PK — Y2
 C — BL — C
 O — OR — O
 STAT

WARNING
 High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

WIRING DIAGRAM — CPC036/48*3D (THREE PHASE, DIRECT DRIVE)



COMPONENT LEGEND

- BC BLOWER CAPACITOR
- BIR BLOWER INTERLOCK RELAY
- C CONTACTOR
- CM CONDENSER MOTOR
- COMP COMPRESSOR
- EM EVAPORATOR MOTOR
- GND EQUIPMENT GROUND
- HPS HIGH PRESSURE SWITCH
- LPS LOW PRESSURE SWITCH
- PLF FEMALE PLUG / CONNECTOR
- FC FAN CAPACITOR
- TB1 TERMINAL BLOCK (24V SIGNAL)
- TR TRANSFORMER

NOTES:

- REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
- TO CHANGE EVAPORATOR MOTOR SPEED MOVE M1 OR M2 WIRE TO COM TERMINAL ON EBTDR AND PLACE WIRE REMOVED FROM COM ON EMPTY M1 OR M2 TERMINAL.
- FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRES FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
- USE COPPER CONDUCTORS ONLY ++ USE N.E.C. CLASS 2 WIRE
- ECONOMIZER PLUG LOCATED IN THE RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO ECONOMIZER ACCESSORY.
- DIAGRAM SHOWS FACTORY SPEED TAP SETTINGS.

RD	COM (EBTDR)
BK	M1 (EBTDR)
BL	M2 (EBTDR)
PU	PIN 1 (24V XFMR)

RD	LOW
BL	MED
BK	HIGH

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION

208-240/3/60 0140L0005 REV A

FACTORY WIRING
 LINE VOLTAGE
 LOW VOLTAGE
 OPTIONAL HIGH VOLTAGE
 HIGH VOLTAGE

FIELD WIRING
 HIGH VOLTAGE
 LOW VOLTAGE

WIRE CODE
 BK BLACK
 BL BLUE
 BR BROWN
 GR GREEN
 OR ORANGE
 PK PINK
 PU PURPLE
 RD RED
 WH WHITE
 YL YELLOW
 BL/PK BLUE WITH PINK STRIP
 YL/PK YELLOW WITH PINK STRIP

THERMOSTAT FIELD WIRING ++

NO ECONOMIZER

Y1	WH	W
Y2	GR	G
W1	RD	R
W2	YL	Y2
O	BL	C
C	OR	O

TB1 STATE

WITH ECONOMIZER OPTION

Y1	WH	W
Y2	GR	G
W1	RD	R
W2	YL	Y
O	BL	C
C	OR	O

TB1 STATE

2 STAGE COOLING

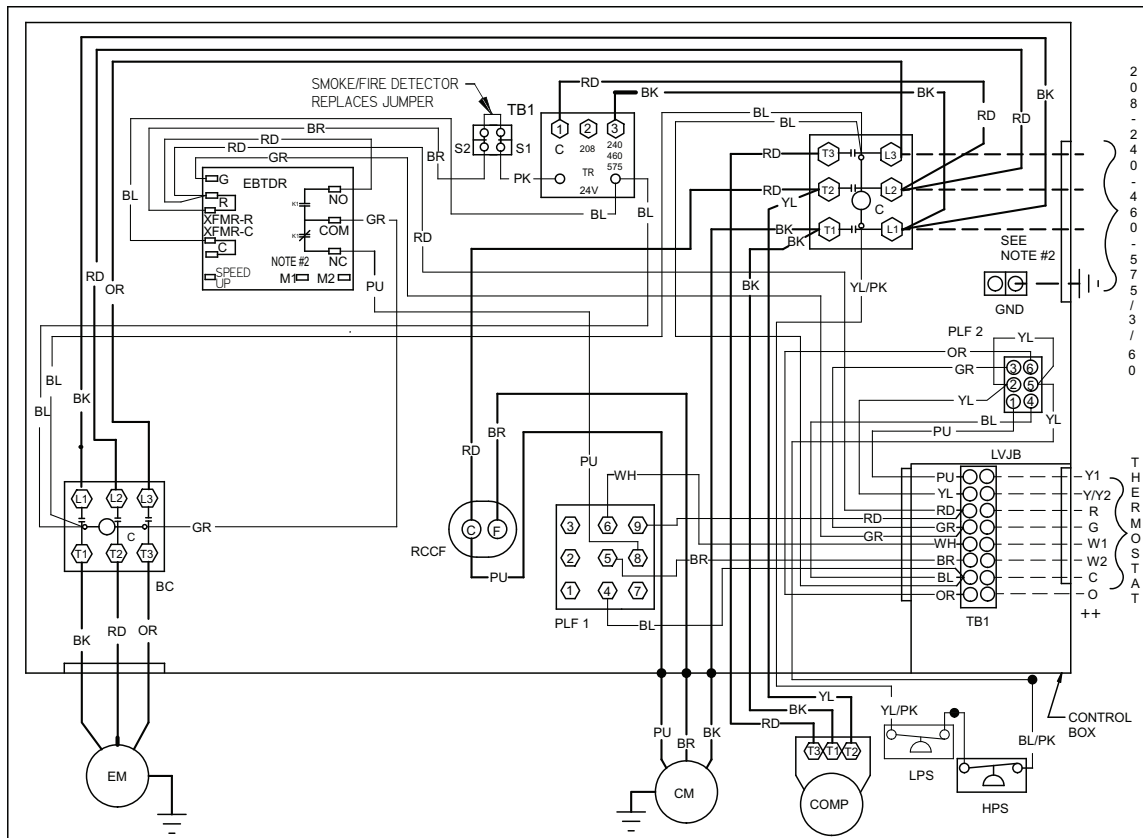
Y1	WH	W
Y2	GR	G
W1	RD	R
W2	YL	Y1
O	PK	Y2
C	BL	C
STATE	OR	O

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

WARNING

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

WIRING DIAGRAM — CPC036-72*3B (THREE PHASE, BELT DRIVE)

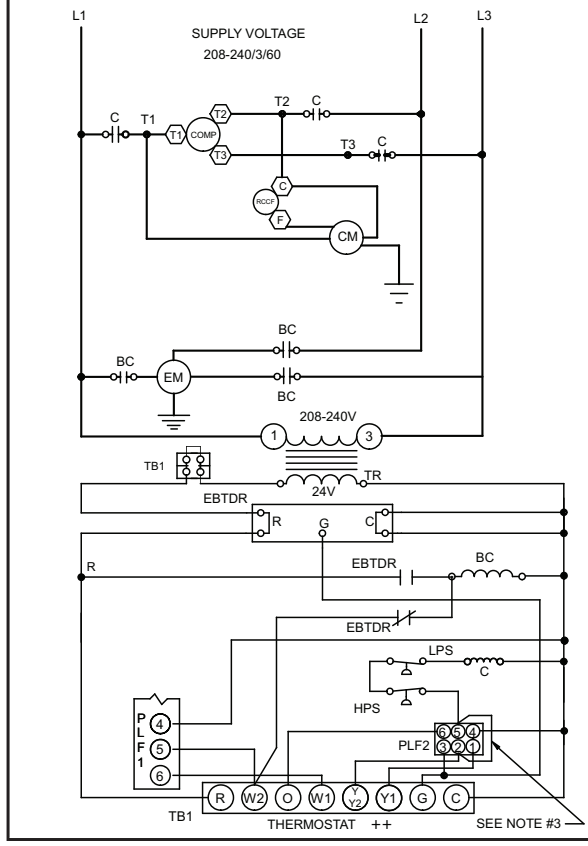


208-240-3/60
460-575-3/60

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.



COMPONENT LEGEND

BC	BLOWER CONTACTOR
C	CONTACTOR
CM	CONDENSER MOTOR
CMR	CONDENSER MOTOR RELAY
COMP	COMPRESSOR
DC	DEFROST CONTROL
DFT	DEFROST THERMOSTAT
ECON	ECONOMIZER
EBTD	ELECTRONIC BLOWER TIME DELAY
EMR	EVAPORATOR MOTOR RELAY
R	RELAY
EM	EVAPORATOR MOTOR
FC	FAN CAPACITOR
GND	EQUIPMENT GROUND
HPS	HIGH PRESSURE SWITCH
HVDR	HIGH VOLTAGE DEFROST RELAY
LPS	LOW PRESSURE SWITCH
LVDR	LOW VOLTAGE DEFROST RELAY
LVJB	LOW VOLTAGE JUNCTION BOX
PB	POWER DISTRIBUTION BLOCK
PLF	FEMALE PLUG / CONNECTOR
RVC	REVERSING VALVE COIL
RCCF	RUN CAPACITOR FOR COMPRESSOR AND FAN
TB1	TERMINAL BLOCK (24V SIGNAL)
TR	TRANSFORMER

NOTES:

- REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
- USE COPPER CONDUCTORS ONLY
++ USE N.E.C. CLASS 2 WIRE
- ECONOMIZER PLUG LOCATED IN THE RETURN AIR COMPARTMENT. REMOVE MALE PLUG, ATTACH FEMALE PLUG TO THE ECONOMIZER ACCESSORY.
- FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRES FROM TERMINAL (3) TO TERMINAL (2) ON TRANSFORMER.

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION

208-240-460-575/3/60 0140L00427 REV. B

FACTORY WIRING

— LINE VOLTAGE
— LOW VOLTAGE
- - - OPTIONAL HIGH VOLTAGE

FIELD WIRING

- - - HIGH VOLTAGE
- - - LOW VOLTAGE

WIRE CODE

BK BLACK
BL BLUE
BR BROWN
GR GREEN
OR ORANGE
PK PINK
PU PURPLE
RD RED
WH WHITE
YL YELLOW
BL/PK BLUE WITH PINK STRIP
YL/PK YELLOW WITH PINK STRIP

THERMOSTAT FIELD WIRING ++

NO ECONOMIZER

①	— WH —	W
②	— GR —	G
③	— RD —	R
④	— YL —	Y
⑤	— BL —	C
⑥	— OR —	O
⑦	—	STAT

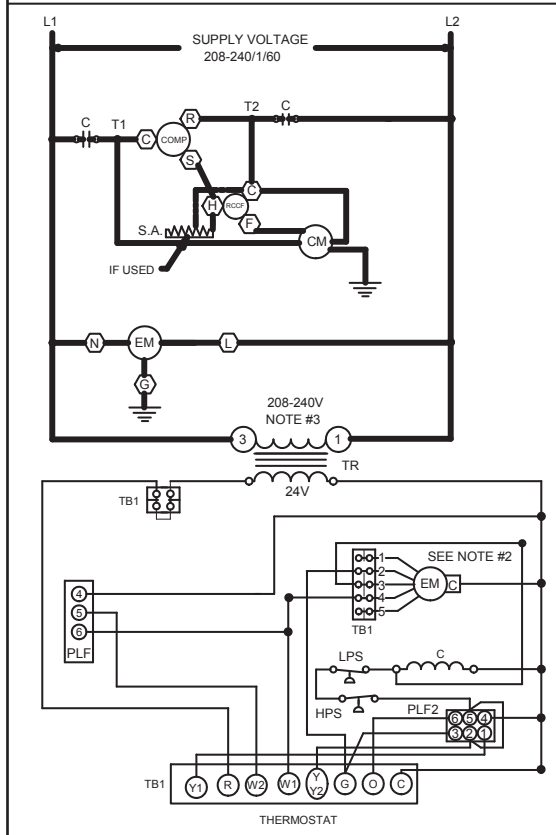
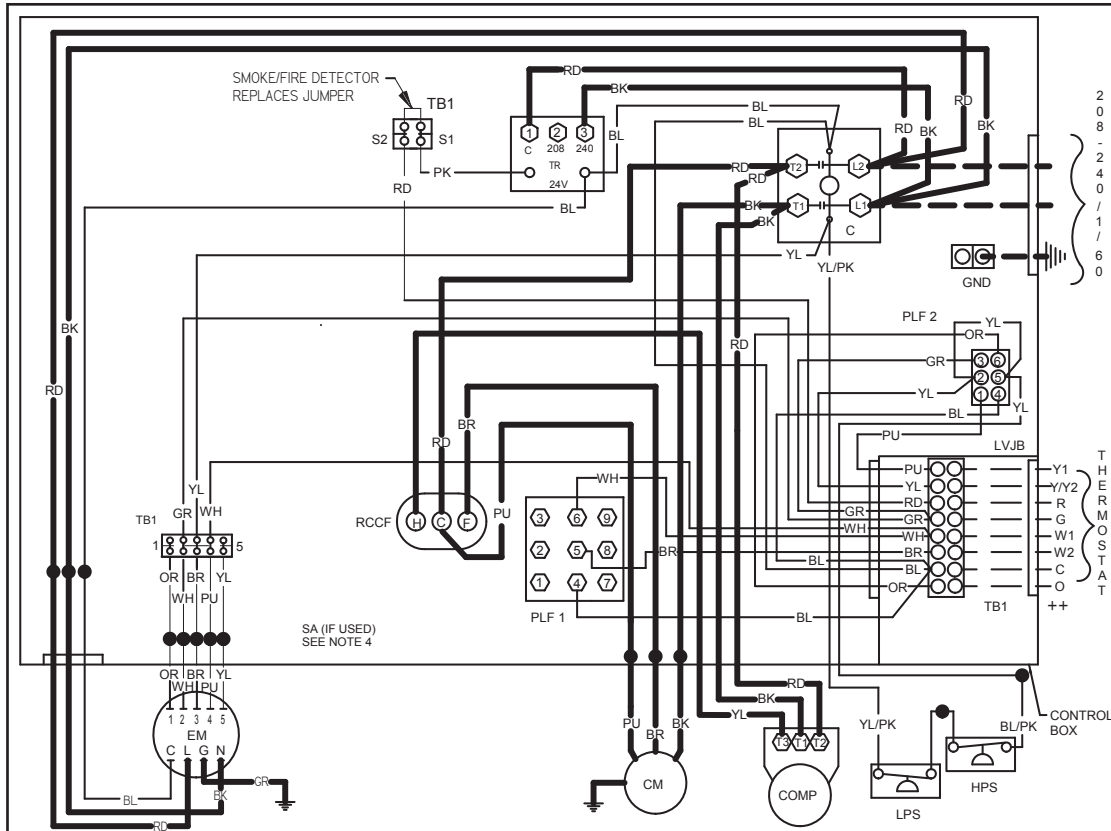
WITH ECONOMIZER OPTION

①	— WH —	W
②	— GR —	G
③	— RD —	R
④	— YL —	Y
⑤	— BL —	C
⑥	— OR —	O
⑦	—	STAT

2 STAGE COOLING

①	— WH —	W
②	— GR —	G
③	— RD —	R
④	— YL —	Y1
⑤	— BL —	C
⑥	— OR —	O
⑦	—	STAT

WIRING DIAGRAM — CPC060*1D (SINGLE PHASE, DIRECT DRIVE)



COMPONENT LEGEND

- C CONTACTOR
- CM CONDENSER MOTOR
- COMP COMPRESSOR
- EM EVAPORATOR MOTOR
- GND EQUIPMENT GROUND
- LVJB LOW VOLTAGE JUNCTION BOX
- PLF FEMALE PLUG / CONNECTOR
- RCCF RUN CAPACITOR FOR COMPRESSOR AND FAN
- TB1 TERMINAL BLOCK (24V SIGNAL)
- TR TRANSFORMER

NOTES:

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
2. TO CHANGE EVAPORATOR MOTOR SPEED MOVE WHITE AND YELLOW LEADS FROM "3" AND "4" TO "4" AND "5". IF BOTH LEADS ARE ENERGIZED, THE HIGHER SPEED SETTING IS USED.
3. FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
4. USE COPPER CONDUCTORS ONLY ++ USE N.E.C. CLASS 2 WIRE.
5. ECONOMIZER PLUG LOCATED IN RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO ECONOMIZER ACCESSORY.

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION
208-240/1/60 0140L00426 REV A

FACTORY WIRING
 — LINE VOLTAGE
 - - - LOW VOLTAGE
 - - - - - OPTIONAL HIGH VOLTAGE

FIELD WIRING
 - - - - - HIGH VOLTAGE
 - - - - - LOW VOLTAGE

WIRE CODE

- BK BLACK
- BL BLUE
- BR BROWN
- GR GREEN
- OR ORANGE
- PK PINK
- PU PURPLE
- RD RED
- WH WHITE
- YL YELLOW
- BL/PK BLUE WITH PINK STRIP
- YL/PK YELLOW WITH PINK STRIP

THERMOSTAT FIELD WIRING ++

NO ECONOMIZER

1	WH	W
2	GR	G
3	RD	R
4	YL	Y
5	BL	C
6	OR	O
7		STAT

WITH ECONOMIZER OPTION

1	WH	W
2	GR	G
3	RD	R
4	YL	Y
5	BL	C
6	OR	O
7		STAT

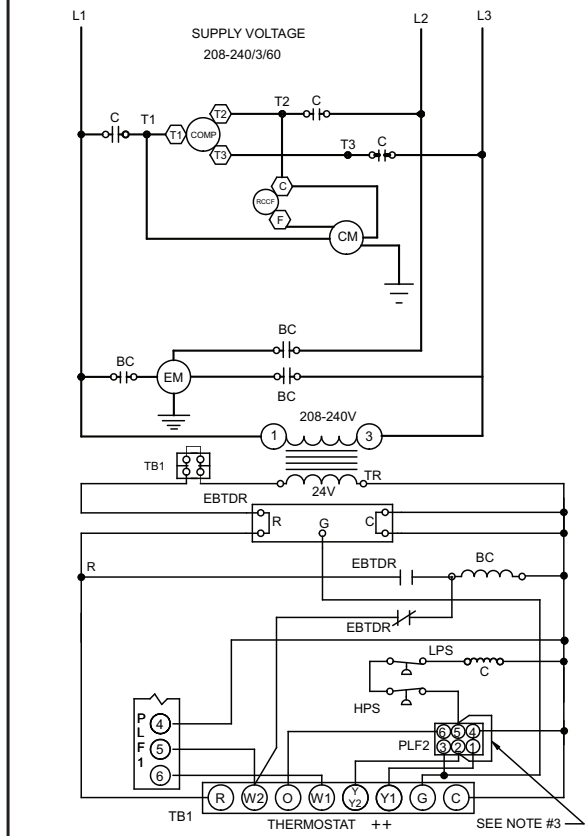
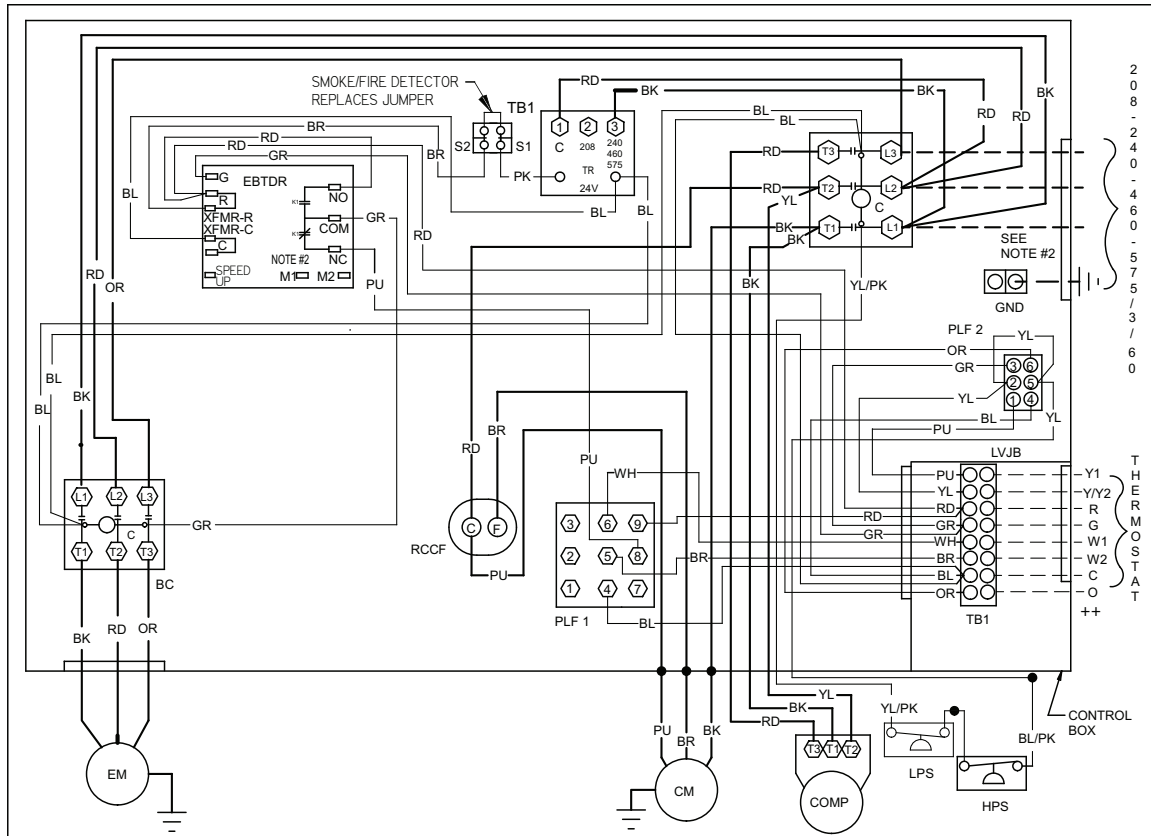
2 STAGE COOLING

1	WH	W
2	GR	G
3	RD	R
4	YL	Y1
5	YL	Y2
6	BL	C
7	OR	O
8		STAT

WARNING
High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

WIRING DIAGRAM — CPC036-72*4B/7B (460V/575v, BELT DRIVE)



COMPONENT LEGEND

BC	BLOWER CONTACTOR
C	CONTACTOR
CM	CONDENSER MOTOR
CMR	CONDENSER MOTOR RELAY
COMP	COMPRESSOR
DC	DEFROST CONTROL
DFT	DEFROST THERMOSTAT
ECON	ECONOMIZER
EBTD	ELECTRONIC BLOWER TIME DELAY
EMR	EVAPORATOR MOTOR RELAY
R	RELAY
EM	EVAPORATOR MOTOR
FC	FAN CAPACITOR
GND	EQUIPMENT GROUND
HPS	HIGH PRESSURE SWITCH
HVDR	HIGH VOLTAGE DEFROST RELAY
LPS	LOW PRESSURE SWITCH
LVDR	LOW VOLTAGE DEFROST RELAY
LVJB	LOW VOLTAGE JUNCTION BOX
PB	POWER DISTRIBUTION BLOCK
PLF	FEMALE PLUG / CONNECTOR
RVC	REVERSING VALVE COIL
RCCF	RUN CAPACITOR FOR COMPRESSOR AND FAN
TB1	TERMINAL BLOCK (24V SIGNAL)
TR	TRANSFORMER

NOTES:

- REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
- USE COPPER CONDUCTORS ONLY
++ USE N.E.C. CLASS 2 WIRE
- ECONOMIZER PLUG LOCATED IN THE RETURN AIR COMPARTMENT. REMOVE MALE PLUG, ATTACH FEMALE PLUG TO THE ECONOMIZER ACCESSORY.
- FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRES FROM TERMINAL (3) TO TERMINAL (2) ON TRANSFORMER.

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION

208-240-460-575/3/60 0140L00427 REV. B

FACTORY WIRING

— LINE VOLTAGE
— LOW VOLTAGE
- - - OPTIONAL HIGH VOLTAGE

FIELD WIRING

- - - HIGH VOLTAGE
- - - LOW VOLTAGE

WIRE CODE

BK BLACK
BL BLUE
BR BROWN
GR GREEN
OR ORANGE
PK PINK
PU PURPLE
RD RED
WH WHITE
YL YELLOW
BL/PK BLUE WITH PINK STRIP
YL/PK YELLOW WITH PINK STRIP

THERMOSTAT FIELD WIRING ++

NO ECONOMIZER

①	WH	W
②	GR	G
③	RD	R
④	YL	Y
⑤	BL	C
⑥	OR	O
⑦	STAT	

WITH ECONOMIZER OPTION

①	WH	W
②	GR	G
③	RD	R
④	YL	Y
⑤	BL	C
⑥	OR	O
⑦	STAT	

2 STAGE COOLING

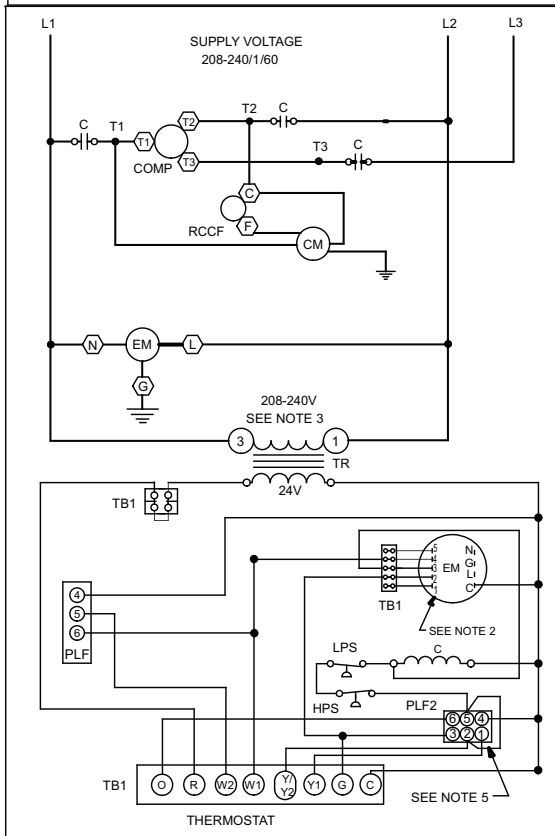
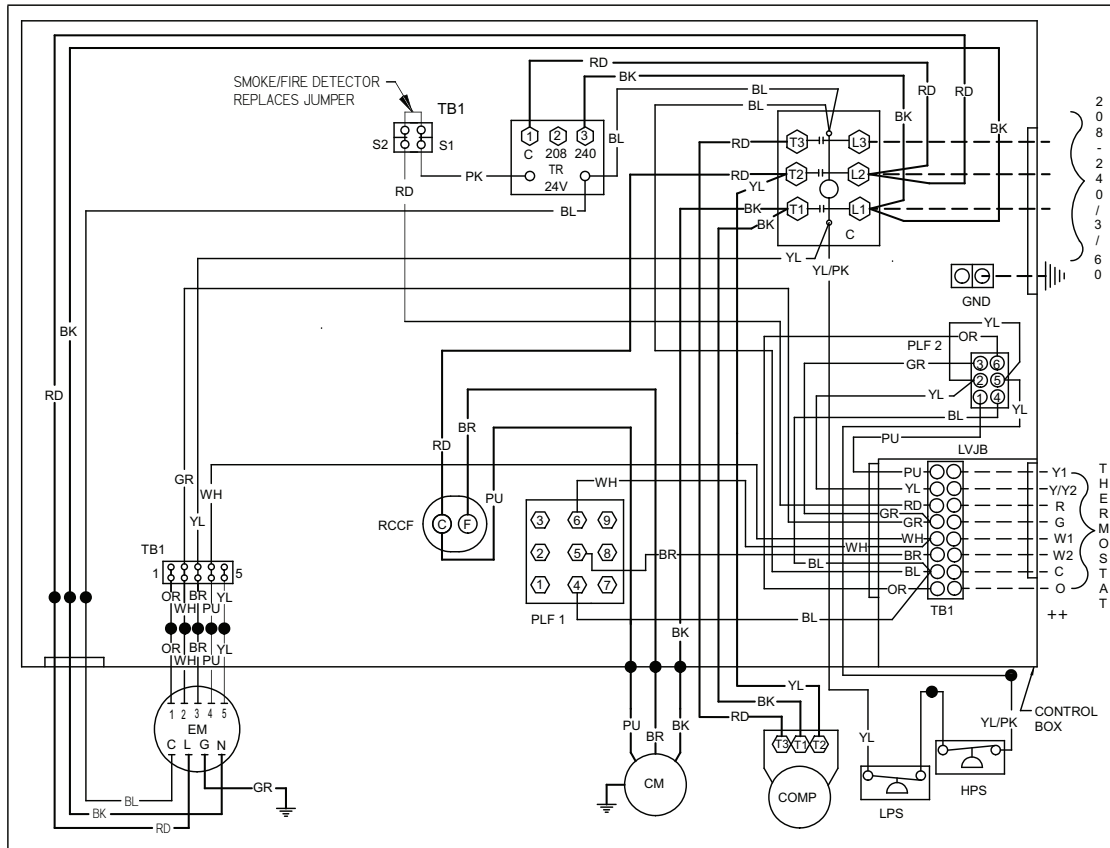
①	WH	W
②	GR	G
③	RD	R
④	YL	Y1
⑤	PK	Y2
⑥	BL	C
⑦	OR	O
⑧	STAT	

WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

WIRING DIAGRAM — CPC060*3D (SINGLE PHASE, DIRECT DRIVE)



COMPONENT LEGEND

C CONTACTOR
 CM CONDENSER MOTOR
 COMP COMPRESSOR
 EM EVAPORATOR MOTOR
 GND EQUIPMENT GROUND
 HPS HIGH PRESSURE SWITCH
 LPS LOW PRESSURE SWITCH
 LVJB LOW VOLTAGE JUNCTION BOX
 PLF FEMALE PLUG / CONNECTOR
 RCCF RUN CAPACITOR FOR CONDENSER FAN
 TB1 TERMINAL BLOCK (24V SIGNAL)
 TR TRANSFORMER

NOTES:

- REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
- TO CHANGE EVAPORATOR MOTOR SPEED MOVE WHITE AND YELLOW LEADS FROM "3" AND "4" TO "4" AND "5". IF BOTH LEADS ARE ENERGIZED, THE HIGHER SPEED SETTING IS USED.
- FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRES FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
- USE COPPER CONDUCTORS ONLY ++ USE N.E.C. CLASS 2 WIRE
- ECONOMIZER PLUG LOCATED IN THE RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO ECONOMIZER ACCESSORY.

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION

208-240/3/60 0140L00428 REV B

FACTORY WIRING
 — LINE VOLTAGE
 - - - LOW VOLTAGE
 - - - - OPTIONAL HIGH VOLTAGE

FIELD WIRING
 - - - HIGH VOLTAGE
 - - - - LOW VOLTAGE

WIRE CODE
 BK BLACK
 BL BLUE
 BR BROWN
 GR GREEN
 OR ORANGE
 PK PINK
 PU PURPLE
 RD RED
 WH WHITE
 YL YELLOW
 BL/PK BLUE WITH PINK STRIP
 YL/PK YELLOW WITH PINK STRIP

THERMOSTAT FIELD WIRING ++

NO ECONOMIZER

W	---	WH	---	W
G	---	GR	---	G
R	---	RD	---	R
Y1	---	YL	---	Y2
C	---	BL	---	C
O	---	OR	---	O

TB1 STAT

WITH ECONOMIZER OPTION

W	---	WH	---	W
G	---	GR	---	G
R	---	RD	---	R
Y1	---	YL	---	Y
C	---	BL	---	C
O	---	OR	---	O

TB1 STAT

2 STAGE COOLING

W	---	WH	---	W
G	---	GR	---	G
R	---	RD	---	R
Y1	---	YL	---	Y1
Y2	---	PK	---	Y2
C	---	BL	---	C
O	---	OR	---	O

TB1 STAT

WARNING
 High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

ACCESSORIES

ITEM #	DESCRIPTION	FITS MODEL SIZES
14CURB3672B	Roof Curb – 14" Tall	3-6 tons
25FD3672	25% Manual Fresh Air Damper	3-6 tons
25MFD3672	25% Motorized Fresh Air Damper	3-6 tons
BRD3672	Horizontal Barometric Relief Damper	3-6 tons
CDK36	Concentric Duct Kit	3 tons
CDK4872	Concentric Duct Kit	4-6 tons
DNECONGS3672B	Downflow Economizer	3-6 tons
DNECONGS3672B-NR	Downflow Economizer w/o Barometric Relief	3-6 tons
DNSQRRND36B	Downflow Square-to-Round Adapter 16" Round	3 tons
DNSQRRND4872B	Downflow Square-to-Round Adapter 18" Round	4-6 tons
DNBBS3672B	Burglar Bar Sleeves Includes Supply & Return	3-6 tons
GHRC-1	Hurricane Restraint Clip	All Models
HAILGD03	Condenser Coil Hail Guard	3-5 tons
HAILGD04	Condenser Coil Hail Guard	6 tons
HA-02	High-Altitude Kit	All Models
HSKT036B / 048B / 0 60B	High-Static Kits (230/460v)	3-5 tons
HSKT072B	High-Static Kit (230/460v)	6 tons
HZECONGS3672B	Horizontal Economizer	3-6 tons
LPM-05	LP Conversion Kit	3-6 tons
PE36722B	Power Exhaust 208/230v	3-6 tons
PE36724B	Power Exhaust 460v	3-6 tons



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