

Copeland™ E-Line

Copelametic™ air-cooled and water cooled condensing units



Product Information

Horsepower:	1/2 – 1 1/2
Temperature Applications:	Low/Medium/High
Refrigerants:	R-12, R-134a, R-404A, R-22,
Installation Applications:	A variety of applications including walk-ins

Nomenclature • Semi-Hermetic Condensing Units

Receiver Base	C
Flat Metal Base	E, D
Water Condenser Base	W
Transport Unit	T

Temperature Application	
Description	Code
High Temperature	H
Medium Temperature	M
Low Temperature	L
Extended Medium Temp.	F
Extra Low Temp.	E
High Temperature	B
R22/404A LT & R134a HT	G
R22 HT & R404A MT	J
R404A LT & R134a HT	K
Two Stage	U
Two Stage	T

Compressor Motor Types		
Phase	Description	Code
1	Capacitor Run – Capacitor Start	C
1	Induction Run – Capacitor Start	I
1	Induction Run – Split Phase	S
1	Capacitor Run – Permanent Split Capacitor	P
3	Three Phase	T
3	Wye (star) Delta	E
3	6 Lead Part Winding or Across the Line – except 575V	F

Product Variations
Numbers will be assigned as follows:

- Number –100 is standard compressor used in Copeland™ condensing units.
- Number –200 indicates a STANDARD compressor parts B/M and model no.
- Number –201 and larger will be assigned for all other variations of a given model.
- Number –800 indicates a standard replacement compressor and Component Parts B/M and model no. –240 volt control.
- Number –801 indicates a standard replacement compressor and component parts B/M and model no. –120 volt control.

X X X X - X X X X - X X X - X X X

Refrigerant	
R404A/507	J/4
R134a	T/2
R12	B/7
R22	3/M/L/C
Multiple	F
R22/407C	G
R22	9
R134a/404A/22	N
R134a/404A	P
R404A/22	8


Comp. Motor Rating	
Nominal (HP)	Code
1/2	0050
3/4	0075
1	0100
1-1/2	0150
2	0200
3	0300
4	0400
5	0500
6	0600
7-1/2	0750
9	0900
10	1000
15	1500
20	2000
22	2200
25	2500
27	2700
30	3000
40	4000
50	5000
60	6000
70	7000
80	8000

Compressor Motor Protection	
Type Protection	Code
External Inherent Protection-One Protector, (Line Break) Use with Contactor	A
Internal Inherent Protection-One Protector (Line Break) Use with Contactor	F
Internal Thermal Protectors-Electronic Sensors; and Control Module External Use with Contactor	S

Electrical Codes		
60 Hz.	50 Hz.	Code
115-1	100-1	A
230-1	-	B
208/230-3	200/220-3	C
460-3	-	D
575-3	-	E
-	230-1	G
-	380/420-3	M
208/230-1	200-1	V
-	220-3	W
-	220/240-1	Z

Air Cooled Steel Base	A
Air Cooled Copevap Base	E
Water Cooled Steel Base	W
Custom Base	C
Discus	D

Note: Left position may be a letter indicating a revision change.



Bill of Materials Matrix

BOM	Options															UL		
Sweat	Receiver W/ Valve	Suction Valve	Liquid Base Valve	Fan Guard	End Covers	Conduit	Power Cord	Accumulator	Fan Cycling	Pressure Controls	Filter Drier	Moisture Indicator	Solenoid Valve	Head Pressure Control Valve	Water Valve	CoreSense	Listed	Recognized
Air Cooled																		
020	X	X		X	X	X				X								X
072	X	X		X	X	X				X	X	X						X
075	X	X		X	X	X				X	X	X		X				X
212	X	X		X	X	X												X*
Water Cooled																		
020	X	X				X				X					X		X	

*These recognized models are identical to the UL Listed models except without pressure control. Need for the control is to be evaluated in the end use application. BOMs with 4 or 6 as the middle digit are OEM special units.

Copelametic™ air-cooled condensing units

Features	Benefits
Copeland™ Semi-hermetic Compressor	Reliability
	High Energy Efficiency
Modular Components	Replacement Serviceability
Positive Displacement Oil Pump	Application Flexibility
Low Profile	More Cooler Space, Fewer Stockouts, Application Flexibility
Low Re-expansion Volumes	Decrease Energy Costs, Greater Capacity
Lower Operating Speeds	Reduces Operating Component Stress Low Sound Lower Maintenance Costs

Resources and Support

EmersonClimate.com

- Online Product Information and Technical Data
 - Application Engineering Bulletins
 - Instruction Sheets
 - Marketing Brochures
- Where to Buy

Application Engineering Bulletins

- 4-1094 Identification of Port Locations in Heads of Copelametic™ Compressors
- 4-1135 Cooling Requirement for Copelametic Compressors
- 4-1166 Copeland™ Oil Pumps
- 4-1273 Factors to Consider in Converting Compressor Rated Capacity to Actual Capacity
- 4-1295 HFC-134A Refrigerant Guidelines
- 5-1174 Water flow requirement and water pressure drop for Copeland water cooled condensing units
- 8-1376 Electronic Unit Controller
- 11-1147 Suction Accumulators
- 11-1297 Liquid Line Filter-Driers
- 17-1260 Compressor Overheating
- 17-1268 Compression Ratio as it Affects Compressor Reliability
- 22-1182 Liquid Refrigerant Control in Refrigeration and Air Conditioning Systems

For more information, visit EmersonClimate.com and login to the Customer Portal to view Online Product Information

R-12 Low Temp

Copeland air-cooled condensing units

Unit Model	Compressor	-40	-35	-30	-25	-20	-15	-10	-5
90° Ambient									
EBAL-A050	KAG2-0050	1090	1340	1610	1910	2210	2530	2850	3160
EBAL-A075	KAA2-0075	1430	1780	2120	2480	2860	3290	3790	
100° Ambient									
EBAL-A050	KAG2-0050	890	1140	1410	1690	1990	2280	2570	2860
EBAL-A075	KAA2-0075	1260	1590	1920	2250	2620	3040	3520	
110° Ambient									
EBAL-A050	KAG2-0050	690	940	1210	1480	1760	2040		
EBAL-A075	KAA2-0075	1090	1410	1710	2030	2380	2770	3240	

Capacities rated at 65°F return gas, 5°F subcooling

R-12 Med/High Temp

Copeland air-cooled condensing units

Unit Model	Compressor	-5	0	5	10	15	20	25	30	35	40	45	50	55
90° Ambient														
E7AB-A050	KAN*-0050	2060	2270	2530	2830	3170	3530	3920	4330	4750	5180	5610	6040	
EBAM-A050	KAE2-0050	2410	2760	3120	3480	3880	4290	4740						
E7AB-A100	KAJ1-0100	4380	4860	5410	6030	6690	7400	8140	8910	9700	10500			
EBAM-A100	KA**-0100	4520	5080	5660	6260	6910	7620	8400						
100° Ambient														
E7AB-A050	KAN*-0050	1920	2090	2300	2570	2870	3200	3560	3940	4330	4730	5130	5540	
EBAM-A050	KAE2-0050	2200	2530	2870	3220	3580	3970	4400						
E7AB-A100	KAJ1-0100	4020	4460	4970	5530	6150	6810	7510	8240	8990	9740			
EBAM-A100	KA**-0100	4100	4640	5200	5780	6410	7100							
110° Ambient														
E7AB-A050	KAN*-0050	1730	1860	2040	2270	2540	2840	3160	3510	3870				
EBAM-A050	KAE2-0050	1990	2310	2630	2950	3300	3660	4060						
E7AB-A100	KAJ1-0100	3660	4050	4510	5030	5610	6220	6880						
EBAM-A100	KA**-0100	3710	4240											

Capacities rated at 65°F return gas, 5°F subcooling

R-22 Low Temp

Copeland air-cooled condensing units

Unit Model	Compressor	-40	-35	-30	-25	-20	-15	-10	-5	0
90° Ambient										
E8AL-A050	KANB-005E	730	930	1160	1420	1710	2030	2370	2720	3080
ENAG-A050	KANB-005E	730	930	1160	1420	1710	2030	2370	2720	3080
ELAL-A075	KAMB-0075	1670	2000	2370	2790	3250	3740	4260	4820	5380
ENAG-A075	KAMB-007E	1670	2000	2370	2790	3250	3740	4260	4820	5380
E8AL-A075	KAM*-007E	1870	2300	2760	3260	3810	4390	5010	5670	6360
ENAG-A100	KAJ*-01*E	2110	2500	2950	3460	4010	4610	5260	5940	6640
ELAL-A100	KAJB-0100	2200	2650	3130	3660	4220	4830	5500	6210	6980
ELAL-A152	KAKB-0200	2630	3140	3680	4260	4900	5600	6380	7240	8200
100° Ambient										
E8AL-A050	KANB-005E	560	750	980	1230	1500	1800	2110	2440	2770
ENAG-A050	KANB-005E	560	750	980	1230	1500	1800	2110	2440	2770
ELAL-A075	KAMB-0075	1500	1810	2160	2550	2980	3430	3910	4410	4920
ENAG-A075	KAMB-007E	1500	1810	2160	2550	2980	3430	3910	4410	4920
E8AL-A075	KAM*-007E	1580	1990	2430	2910	3420	3960	4550	5170	5810
ENAG-A100	KAJ*-01*E	1860	2220	2640	3120	3630	4190	4790	5420	6070
ELAL-A100	KAJB-0100	1970	2390	2850	3340	3870	4440	5050	5720	6420
ELAL-A152	KAKB-0200	2340	2820	3320	3860	4450	5100	5830	6640	7530
110° Ambient										
E8AL-A050	KANB-005E	390	580	800	1040	1310	1580	1870		
ENAG-A050	KANB-005E	390	580	800	1040	1310	1580	1870		
ELAL-A075	KAMB-0075	1300	1590	1920	2280	2670	3090	3520		
ENAG-A075	KAMB-007E	1300	1590	1920	2280	2670	3090	3520		
E8AL-A075	KAM*-007E	1290	1680	2110	2560	3040	3550			
ENAG-A100	KAJ*-01*E	1610	1950	2340	2780	3260	3780	4330		
ELAL-A100	KAJB-0100	1720	2130	2550	3010	3500	4020	4590		
ELAL-A152	KAKB-0200	2040	2490	2950	3460	4000	4610	5280	6040	6880

Capacities rated at 65°F return gas, 5°F subcooling

R-22 Med/High Temp

Copeland air-cooled condensing units

Unit Model	Compressor	-5	0	5	10	15	20	25	30	35	40	45	50	55
90° Ambient														
E8AJ-A075	KAN*-007E		3380	3850	4340	4880	5450	6060	6710	7380	8090	8820	9580	10400
E3AH-A075	KAN*-0075		3600	4090	4620	5190	5790	6430	7110	7820	8560	9320		
E3AM-A075	KAE*-0075	3580	4060	4570	5090	5670	6290	6980						
E8AJ-A100	KAR*-01*E		4820	5440	6110	6830	7590	8400	9240	10100	11000	11900	12800	13800
E3AH-A100	KAR*-0100		5030	5670	6370	7120	7910	8750	9620	10500	11400	12400		
E3AM-A100	KAM1-0100		5400	6170	6970	7800	8680	9600						
E3AM-A101	KAM*-0100		5780	6620	7510	8450	9440	10500						
E3AH-A151	KAGB-0150		6310	7060	7910	8880	9960	11100	12400	13700	15100	16500		
100° Ambient														
E8AJ-A075	KAN*-007E		3080	3520	3980	4480	5010	5570	6170	6790	7450	8120	8820	
E3AH-A075	KAN*-0075		3280	3740	4230	4760	5320	5910	6540	7200	7880	8590		
E3AM-A075	KAE*-0075	3280	3720	4180	4670	5190	5780	6420						
E8AJ-A100	KAR*-01*E		4380	4970	5600	6270	6990	7750	8540	9350	10200			
E3AH-A100	KAR*-0100		4580	5180	5840	6540	7290	8070	8890	9740	10600			
E3AM-A100	KAM1-0100		4920	5640	6380	7160	7990	8870						
E3AM-A101	KAM*-0100		5270	6050	6870	7740	8670	9650						
E3AH-A151	KAGB-0150		5790	6460	7250	8160	9170	10300	11500	12800	14100	15500		
110° Ambient														
E8AJ-A075	KAN*-007E		2780	3180	3610	4070	4560	5080	5630	6210				
E3AH-A075	KAN*-0075		2950	3380	3830	4320	4840	5390	5970					
E3AM-A075	KAE*-0075	2970	3360	3780	4220	4710	5240	5850						
E8AJ-A100	KAR*-01*E		3950	4510	5100	5740	6410	7120						
E3AH-A100	KAR*-0100		4130	4700	5320	5980	6680	7420						
E3AM-A100	KAM1-0100		4480	5150	5840	6590	7370							
E3AM-A101	KAM*-0100		4780	5500	6270	7080	7950	8880						
E3AH-A151	KAGB-0150		5320	5930	6660	7510	8470	9520	10700	11900				

Capacities rated at 65°F return gas, 5°F subcooling

R-134a

Copeland air-cooled condensing units

Unit Model	Compressor	0	5	10	15	20	25	30	35	40	45
90° Ambient											
ENAG-A050	KANB-005E	1900	2130	2380	2650	2930	3240	3560	3900	4250	4620
ETAH-A075	KAMB-007E	3630	4030	4480	4980	5530	6130	6750	7410	8100	8800
EPAK-A150	KAL*-01*E	6290	7100	7980	8940	9970	11060	12210	13410	14650	15950
100° Ambient											
ENAG-A050	KANB-005E	1740	1960	2190	2430	2700	2980	3280	3600	3930	4270
ETAH-A075	KAMB-007E	3430	3760	4150	4600	5090	5620	6200	6800	7450	8110
EPAK-A150	KAL*-01*E	5850	6600	7420	8310	9270	10290	11360	12480	13640	14850
110° Ambient											
ENAG-A050	KANB-005E	1580	1780	1990	2220	2460	2720	2990	3280	3590	
ETAH-A075	KAMB-007E	3170	3440	3770	4160	4590	5070	5600	6160	6750	
EPAK-A150	KAL*-01*E	5390	6080	6830	7650	8530	9470	10460	11490		

Capacities rated at 65°F return gas, 5°F subcooling

R-404A Low Temp

Copeland air-cooled condensing units

Unit Model	Compressor	-40	-35	-30	-25	-20	-15	-10	-5	0
90° Ambient										
E8AL-A050	KANB-005E	880	1100	1360	1650	1970	2300	2660	3030	3370
EJAL-A050	KAN*-00*E	880	1100	1360	1650	1970	2300	2660	3030	3370
ENAG-A050	KANB-005E	880	1100	1360	1650	1970	2300	2660	3030	3370
E8AL-A075	KAM*-007E	1920	2160	2490	2900	3370	3880	4430	4990	5510
EJAL-A075	KAM*-007E	1920	2160	2490	2900	3370	3880	4430	4990	5510
ENAG-A075	KAMB-007E	1920	2160	2490	2900	3370	3880	4430	4990	5510
EJAL-A100	KAJ*-01*E	2350	2820	3310	3840	4400	4990	5630	6300	6980
ENAG-A100	KAJ*-01*E	2430	2880	3370	3900	4470	5060	5700	6370	7060
EJAL-A103	KAKB-011E	2780	3470	4070	4630	5180	5750	6410	7160	8030
EJAL-A102	KALB-015E	3430	4060	4730	5430	6170	6930	7720	8530	9340
EJAL-A150	KALA-016E	3390	4190	4980	5770	6580	7410	8280	9200	10100
EPAK-A150	KAL*-01*E	3610	4290	5020	5800	6630	7510	8450	9430	10400
EPAK-A150	KALB-015E	3610	4290	5020	5800	6630	7510	8450	9430	10400
EJAE-0175	KAT*-015E	4400	5150	5960	6820	7730				
100° Ambient										
E8AL-A050	KANB-005E	670	880	1120	1390	1680	1980	2300	2630	2920
EJAL-A050	KAN*-00*E	670	880	1120	1390	1680	1980	2300	2630	2920
ENAG-A050	KANB-005E	670	880	1120	1390	1680	1980	2300	2630	2920
E8AL-A075	KAM*-007E	1620	1850	2160	2550	2980	3460	3960	4460	4930
EJAL-A075	KAM*-007E	1620	1850	2160	2550	2980	3460	3960	4460	4930
ENAG-A075	KAMB-007E	1620	1850	2160	2550	2980	3460	3960	4460	4930
EJAL-A100	KAJ*-01*E	1990	2430	2890	3380	3890	4420	4990	5590	6200
ENAG-A100	KAJ*-01*E	2070	2480	2920	3400	3920	4460	5040	5660	6280
EJAL-A103	KAKB-011E	2340	2990	3540	4050	4540	5050	5630	6320	7120
EJAL-A102	KALB-015E	2910	3510	4140	4800	5480	6170	6890	7620	
EJAL-A150	KALA-016E	2730	3530	4300	5050	5810	6570	7370	8200	9000
EPAK-A150	KAL*-01*E	3080	3730	4410	5150	5920	6730	7590	8490	9360
EPAK-A150	KALB-015E	3080	3730	4410	5150	5920	6730	7590	8490	9360
EJAE-0175	KAT*-015E	3800	4520	5280	6060	6860				
110° Ambient										
E8AL-A050	KANB-005E	450	640	860	1100	1360	1630	1900	2180	
EJAL-A050	KAN*-00*E	450	640	860	1100	1360	1630	1900	2180	
ENAG-A050	KANB-005E	450	640	860	1100	1360	1630	1900	2180	
E8AL-A075	KAM*-007E	1250	1470	1760	2110	2510	2940	3390	3850	
EJAL-A075	KAM*-007E	1250	1470	1760	2110	2510	2940	3390	3850	
ENAG-A075	KAMB-007E	1250	1470	1760	2110	2510	2940	3390	3850	
EJAL-A100	KAJ*-01*E	1610	2020	2450	2890	3350	3830	4330	4870	
ENAG-A100	KAJ*-01*E	1720	2090	2480	2910	3370	3850	4370		
EJAL-A103	KAKB-011E	1910	2520	3020	3460	3880				
EJAL-A150	KALA-016E	1980	2780	3540	4270	4990	5700	6430		
EPAK-A150	KAL*-01*E	2470	3090	3740	4420	5130	5870	6660		
EPAK-A150	KALB-015E	2470	3090	3740	4420	5130	5870	6660		
EJAE-0175	KAT*-015E	3230	3940	4640	5340	6030				
EJAL-A102	KALB-015E	2310	2880	3470	4080					

Capacities rated at 65°F return gas, 5°F subcooling

R-404A Med Temp

Copeland air-cooled condensing units

Unit Model	Compressor	-5	0	5	10	15	20	25
90° Ambient								
E8AJ-A075	KAN*-007E	3090	3520	4030	4550	5100	5670	6240
EJAM-A075	KAN*-007E	3090	3520	4030	4550	5100	5670	6240
E8AJ-A100	KAR*-01*E	4810	5350	5990	6650	7320	7980	8600
EJAM-A100	KARA-010E	4850	5400	6060	6730	7420	8090	8740
100° Ambient								
E8AJ-A075	KAN*-007E	2690	3090	3560	4030	4530	5040	5550
EJAM-A075	KAN*-007E	2690	3090	3560	4030	4530	5040	5550
E8AJ-A100	KAR*-01*E	4310	4790	5370	5970	6590	7190	7760
EJAM-A100	KARA-010E	4350	4830	5430	6050	6680	7300	7890
110° Ambient								
E8AJ-A075	KAN*-007E	2300	2660	3090	3520	3960	4410	4860
EJAM-A075	KAN*-007E	2300	2660	3090	3520	3960	4410	4860
E8AJ-A100	KAR*-01*E	3780	4190	4720	5260	5820	6360	6880
EJAM-A100	KARA-010E	3820	4240	4780	5330	5910	6470	7000

Capacities rated at 65°F return gas, 5°F subcooling

Physical and Electrical Data

Copelametic™ air-cooled condensing units

MODEL	BOM	Compressor Electrical	Length	Width	Height	Liquid Connection	Suction Connection
E3AH-A075-CAV	020	KAN2-0075-CAV	24	17.96	13.2	3/8 S	5/8 S
E3AH-A100-CAV	020	KAR2-0100-CAV	24	17.9	13.2	3/8 S	5/8 S
E3AH-A100-CAV	212	KAR2-0100-CAV	24	17.9	13.2	3/8 S	5/8 S
E3AH-A100-TAC	020	KAR1-0100-TAC	24	17.92	13.18	3/8 S	5/8 S
E3AH-A151-CAV	020	KAGB-0150-CAV	26.4	18.65	16.1	3/8 S	7/8 S
E3AH-A151-TAC	020	KAGA-0150-TAC	26	18.61	16.1	3/8 S	7/8 S
E3AM-A075-CAA	020	KAE2-0075-CAA	24	17.96	13.2	3/8 S	5/8 S
E3AM-A075-CAV	020	KAE2-0075-CAV	24	17.96	13.2	3/8 S	5/8 S
E3AM-A075-TAC	020	KAE1-0075-TAC	24	18.1	13.2	3/8 S	5/8 S
E3AM-A100-CAV	020	KAM2-0100-CAV	24	17.96	13.2	3/8 S	5/8 S
E3AM-A100-TAC	020	KAM1-0100-TAC	24	17.96	13.2	3/8 S	5/8 S
E3AM-A100-TAD	020	KAM1-0100-TAD	24	17.9	13.2	3/8 S	5/8 S
E3AM-A101-CAV	020	KAM2-0100-CAV	26.4	18.65	16.1	3/8 S	7/8 S
E3AM-A101-TAC	020	KAM1-0100-TAC	26	18.61	16.1	3/8 S	7/8 S
E3AM-A101-TAD	020	KAM1-0100-TAD	26.4	20.3	16.2	3/8 S	7/8 S
E7AB-A050-CAV	020	KAN2-0050-CAV	19.5	16.3	12.1	1/4 S	1/2 S
E7AB-A050-TAC	020	KAN1-0050-TAC	19.5	16.3	12.1	1/4 S	1/2 S
E7AB-A100-CAV	020	KAJ3-0100-CAV	24	17.9	13.2	3/8 S	5/8 S
E7AB-A100-CAV	212	KAJ3-0100-CAV	24	17.9	13.2	3/8 S	5/8 S
E7AB-A100-TAD	020	KAJ1-0100-TAD	24	17.9	13.2	3/8 S	5/8 S
E8AJ-A075-CAV	020	KANB-007E-CAV	24	17.96	13.2	3/8 S	5/8 S
E8AJ-A075-TAC	020	KANA-007E-TAC	24	18.1	13.2	3/8 S	5/8 S
E8AJ-A100-CAV	020	KARB-010E-CAV	24	17.9	13.2	3/8 S	5/8 S
E8AJ-A100-TAC	020	KARA-010E-TAC	24	17.96	13.2	3/8 S	5/8 S
E8AJ-A100-TAD	020	KARA-011E-TAD	24	20	15.5	3/8 S	5/8 S
E8AL-A050-CAV	020	KANB-005E-CAV	19.5	16.3	12.1	1/4 S	1/2 S
E8AL-A075-CAA	020	KAMB-007E-CAA	24	17.96	13.2	3/8 S	5/8 S
E8AL-A075-TAC	020	KAMA-007E-TAC	24	18.1	13.2	3/8 S	5/8 S
EBAL-A050-CAV	020	KAG2-0050-CAV	19.5	16.3	12.1	1/4 S	1/2 S
EBAL-A075-IAA	020	KAA2-0075-IAA	24	17.9	13.2	3/8 S	5/8 S
EBAL-A075-TAC	020	KAA1-0075-TAC	24	18.1	13.2	3/8 S	5/8 S
EBAM-A050-IAA	020	KAE2-0050-IAA	19.5	16.3	12.1	1/4 S	1/2 S
EBAM-A100-TAC	020	KAK1-0100-TAC	24	17.96	13.2	3/8 S	5/8 S
EBAM-A100-TAD	020	KAK1-0100-TAD	24	17.9	13.2	3/8 S	5/8 S
EJAE-0175-CAV	020	KATB-015E-CAV	26	18.3	16.2	3/8 S	7/8 S
EJAE-0175-TAC	020	KATA-015E-TAC	26.1	18.6	16.1	3/8 S	7/8 S
EJAL-A050-CAV	020	KANB-005E-CAV	19.5	16.3	12.1	1/4 S	1/2 S
EJAL-A050-TAC	020	KANA-006E-TAC	19.5	16.3	12.1	1/4 S	1/2 S

Physical and Electrical Data

Copelametic™ air-cooled condensing units

MODEL	Receiver Capacity* (Lbs @ 90% Volume)				MCA	Max Fuse	Ship Weight
	R-12	R-22	R-134a	R-404A			
E3AH-A075-CAV		7.3			8.8	15	160
E3AH-A100-CAV		7.3			10.4	15	164
E3AH-A100-CAV		7.3			10.4	15	164
E3AH-A100-TAC		7.3			6.5	15	147
E3AH-A151-CAV		12.9			14.9	20	170
E3AH-A151-TAC		12.9			9.8	15	164
E3AM-A075-CAA		7.3			15.6	20	135
E3AM-A075-CAV		7.3			7.9	15	138
E3AM-A075-TAC		7.3			5.4	15	85
E3AM-A100-CAV		7.3			10.5	15	162
E3AM-A100-TAC		7.3			6.8	15	140
E3AM-A100-TAD		7.3			3.5	15	182
E3AM-A101-CAV		12.9			12.2	15	162
E3AM-A101-TAC		12.9			8.5	15	162
E3AM-A101-TAD		12.9			4.4	15	169
E7AB-A050-CAV	3				5.2	15	124
E7AB-A050-TAC	3				3.3	15	124
E7AB-A100-CAV	6.9				9.8	15	164
E7AB-A100-CAV	6.9				9.8	15	164
E7AB-A100-TAD	6.9				3.9	15	181
E8AJ-A075-CAV		7.3		6.3	7.9	15	138
E8AJ-A075-TAC		7.3		6.3	4.9	15	139
E8AJ-A100-CAV		7.3		6.4	10.4	15	155
E8AJ-A100-TAC		7.3		6.4	6.5	15	138
E8AJ-A100-TAD		7.3		6.4	3.2	15	156
E8AL-A050-CAV		7.3		6.4	5.1	15	121
E8AL-A075-CAA		7.3		6.3	15.6	20	140
E8AL-A075-TAC		7.3		6.3	5.2	15	135
EBAL-A050-CAV	3				5.2	15	113
EBAL-A075-IAA	8.1				14.8	20	133
EBAL-A075-TAC	8.1				4.4	15	160
EBAM-A050-IAA	3				10.9	15	112
EBAM-A100-TAC	6.9				5.3	15	162
EBAM-A100-TAD	6.9				3.6	15	154
EJAE-0175-CAV				6.4	14.9	20	162
EJAE-0175-TAC				6.4	9.2	15	163
EJAL-A050-CAV				2.4	5.2	15	126
EJAL-A050-TAC				2.4	3.5	15	114

Physical and Electrical Data

Copelametic™ air-cooled condensing units

MODEL	BOM	Compressor Electrical	Length	Width	Height	Liquid Connection	Suction Connection
EJAL-A075-CAA	020	KAMB-007E-CAA	24	17.96	13.2	3/8 S	5/8 S
EJAL-A075-CAV	020	KAMB-007E-CAV	24	17.96	13.2	3/8 S	5/8 S
EJAL-A075-CAV	072	KAMB-007E-CAV	24	17.72	13.25	3/8 S	1/2 S
EJAL-A075-TAC	020	KAMA-007E-TAC	24	18.1	13.2	3/8 S	5/8 S
EJAL-A100-CAV	020	KAJB-010E-CAV	24	17.9	13.2	3/8 S	5/8 S
EJAL-A100-CAV	072	KAJB-010E-CAV	24	17.95	13.19	3/8 S	5/8 S
EJAL-A100-CAV	075	KAJB-010E-CAV	24	18.81	13.19	3/8 S	5/8 S
EJAL-A100-TAD	020	KAJA-011E-TAD	24	17.9	13.2	3/8 S	5/8 S
EJAL-A102-CAV	020	KALB-015E-CAV	24	17.9	13.2	3/8 S	5/8 S
EJAL-A103-CAV	020	KAKB-011E-CAV	24	17.9	13.2	3/8 S	5/8 S
EJAL-A150-TAD	020	KALA-016E-TAD	26.4	20.3	16.2	3/8 S	7/8 S
EJAM-A075-CAV	020	KANB-007E-CAV	24	17.96	13.2	3/8 S	5/8 S
EJAM-A075-TAC	020	KANA-007E-TAC	24	18.1	13.2	3/8 S	5/8 S
EJAM-A100-TAC	020	KARA-010E-TAC	24	17.96	13.2	3/8 S	5/8 S
ELAL-A075-CAV	020	KAMB-0075-CAV	24	17.96	13.2	3/8 S	5/8 S
ELAL-A100-CAV	020	KAJB-0100-CAV	24	17.9	13.2	3/8 S	5/8 S
ELAL-A152-CAV	020	KAKB-0200-CAV	26.12	18.33	16.15	3/8 S	7/8 S
ENAG-A050-IAA	020	KANB-005E-IAA	19.5	16.3	12.1	1/4 S	1/2 S
ENAG-A075-CAV	020	KAMB-007E-CAV	24	17.96	13.2	3/8 S	5/8 S
ENAG-A100-CAV	020	KAJB-010E-CAV	24	17.9	13.2	3/8 S	5/8 S
ENAG-A100-TAC	020	KAJA-011E-TAC	24	17.96	13.2	3/8 S	5/8 S
EPAK-A150-CAV	020	KALB-015E-CAV	26.4	18.65	16.1	3/8 S	7/8 S
EPAK-A150-TAC	020	KALA-016E-TAC	26	18.61	16.1	3/8 S	7/8 S
ETAH-A075-CAV	020	KAMB-007E-CAV	24	17.96	13.2	3/8 S	5/8 S
ETAH-A075-IAA	212	KAMB-007E-IAA	24	17.9	13.2	3/8 S	5/8 S

Physical and Electrical Data

Copelametic™ air-cooled condensing units

MODEL	Receiver Capacity* (Lbs @ 90% Volume)				MCA	Max Fuse	Ship Weight
	R-12	R-22	R-134a	R-404A			
EJAL-A075-CAA				6.3	15.6	20	142
EJAL-A075-CAV				6.3	8.2	15	140
EJAL-A075-CAV				6.3	8.2	15	143
EJAL-A075-TAC				6.3	5.2	15	134
EJAL-A100-CAV				6.4	9.8	15	145
EJAL-A100-CAV				6.4	9.8	15	148
EJAL-A100-CAV				6.4	9.8	15	148
EJAL-A100-TAD				6.4	3.4	15	184
EJAL-A102-CAV				6.4	13.5	20	146
EJAL-A103-CAV				6.4	11.0	15	125
EJAL-A150-TAD				11.2	5.9	15	167
EJAM-A075-CAV				6.3	7.9	15	142
EJAM-A075-TAC				6.3	4.9	15	132
EJAM-A100-TAC				6.4	6.5	15	140
ELAL-A075-CAV		7.3			8.2	15	160
ELAL-A100-CAV		7.3			9.8	15	164
ELAL-A152-CAV		7.3			16.2	20	180
ENAG-A050-IAA		2.7	2.8	2.4	10.6	15	130
ENAG-A075-CAV		7.3	7.4	6.3	8.2	15	135
ENAG-A100-CAV		7.3	7.4	6.4	10.6	15	141
ENAG-A100-TAC		7.3	7.4	6.4	6.9	15	141
EPAK-A150-CAV			13.1	11.2	15.3	20	175
EPAK-A150-TAC			13.1	11.2	11.2	15	186
ETAH-A075-CAV			7.4		8.2	15	140
ETAH-A075-IAA			7.4		14.6	20	135

Copeland™ water-cooled condensing units

BTU/H at 105° condensing, 75° water inlet - evaporator temp (°F)	Water flow (GPM) at evaporator temp (°F)
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Capacities rated at 65°F return gas, 5°F subcooling

R-22

Unit Model	Compressor	-5	0	5	10	15	20	25	30	35	40	45	0	25	45
E3WH-C075	KWN2-0075		3690	4260	4900	5610	6380	7230	8160	9170	10300	11400	1.1	1.8	2.7
E3WM-C075	KWE*-0075	3680	4260	4880	5550	6290	7110	8040					1.3	2	

R-404A

Unit Model	Compressor	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	-40	-20	0	15	25	
EJWM-C075	KWN*-007E									3140	3670	4270	4940	5660	6450	7280			1.1	1.5	1.9
EJWL-C050	KWN*-00*E	760	1000	1290	1620	1990	2400	2860	3360	3890						0.3	0.6	1			
EJWL-C075	KWM*-007E	1450	1820	2240	2720	3250	3830	4460	5130	5860						0.5	0.9	1.5			

Physical and Electrical Data

Copelametic™ water-cooled condensing units

MODEL	BOM	Compressor Electrical	Length	Width	Height	Refrigerant Connections	
						Liquid	Suction
E3WH-C075-CAV	020	KWN2-0075-CAV	24	17.92	11.57	3/8 S	5/8 S
E3WM-C075-CAV	020	KWE2-0075-CAV	24	17.92	11.57	3/8 S	5/8 S
E3WM-C075-TAC	020	KWE1-0075-TAC	24	17.92	11.57	3/8 S	5/8 S
EJWL-C050-CAV	020	KWNB-005E-CAV	24	17.08	11.57	3/8 S	1/2 S
EJWL-C050-IAA	020	KWNB-005E-IAA	24	17	11.57	3/8 S	1/2 S
EJWL-C050-TAC	020	KWNA-006E-TAC	24	17	11.57	3/8 S	1/2 S
EJWL-C075-CAV	020	KWMB-007E-CAV	24	17.92	11.57	3/8 S	5/8 S
EJWL-C075-TAC	020	KWMA-007E-TAC	24	17.92	11.57	3/8 S	5/8 S
EJWM-C075-CAV	020	KWNB-007E-CAV	24	17.92	11.57	3/8 S	5/8 S
EJWM-C075-TAC	020	KWNA-007E-TAC	24	17.92	11.57	3/8 S	5/8 S
ETWH-C050-IAA	020	KWNB-005E-IAA	24	17	11.57	3/8 S	1/2 S

Physical and Electrical Data

Copelametic™ water-cooled condensing units

MODEL	Water Connections		Receiver Capacity* (Lbs @ 90% Volume)				MCA	Max Fuse	Ship Weight
	In (MPT)	Out (OD)	R-12	R-22	R-134a	R-404A			
E3WH-C075-CAV	3/8	1/2		7.3			7.6	15	143
E3WM-C075-CAV	3/8	1/2		7.3			6.8	15	134
E3WM-C075-TAC	3/8	1/2		7.3			4.3	15	134
EJWL-C050-CAV	3/8	1/2				4.1	4.5	15	135
EJWL-C050-IAA	3/8	1/2				4.1	10.0	15	151
EJWL-C050-TAC	3/8	1/2				4.1	2.8	15	134
EJWL-C075-CAV	3/8	1/2				6.4	7.0	15	136
EJWL-C075-TAC	3/8	1/2				6.4	4.0	15	137
EJWM-C075-CAV	3/8	1/2				6.4	6.8	15	145
EJWM-C075-TAC	3/8	1/2				6.4	3.8	15	136
ETWH-C050-IAA	3/8	1/2		4.8			10.0	15	130

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