Copeland Scroll™

Copeland Scroll® Condensing Units for the Food Service Market

...with Best In Class Emerson® System Protection Components

- Medium and Low Temperature Refrigeration Applications
- R-404A
- 1.5 to 10 Hp

EMERSON™
Climate Technologies

Best In Class

Reliable equipment and lower energy costs are at the top of the list of needs for the foodservice operators. By combining the proven reliability and efficiency of Copeland Scroll® compressors with the existing benefits of the Copeland Brand® condensing units, these needs can be met.

Scroll condensing units are available for medium and low temperature foodservice refrigeration applications. The condensing units are optimized to work with HFC refrigerant R404A, a reliable alternative to HCFC R22.

Additionally, these units feature other Emerson Climate Technologies products, such as the EK Filter Drier, HMI (Hermetic Moisture Indicator), and Refrigeration Solenoid Valves.

Copeland Scroll® Refrigeration Compressors

Superior Performance.
Time Tested Reliability.

Copeland Scroll® compressors are available for medium temperature and low temperature refrigeration applications in the widest available range of sizes.

Reliability

Copeland Scroll® compressors are inherently more reliable because they have significantly fewer moving parts and handle liquid slugs and debris more effectively. Over 50,000 Copeland Scroll ZB*KCE compressors have been installed worldwide.

High Efficiency

The latest generation of Copeland Scroll ZB*KCE compressors is optimized for medium temperature applications and offers on average a 23% improvement in annual efficiency versus previous models.

Size & Sound

Copeland Scroll® compressors are smaller in size and quieter than reciprocating compressors of comparable capacity. This means that your refrigeration unit is easier to install and more pleasing to the ear.

1 Gas enters an outer opening as one scroll orbits the other.

2 The open passage is sealed as gas is drawn into the compression chamber.

3 As one scroll continues orbiting, the gas is compressed into an increasingly smaller "pocket."

4 Gas is continually compressed to the center of the scrolls, where it is discharged through precisely machined ports and returned to the system.

5 During actual operation, all passages are in various stages of compression at all times, resulting in near-continuous intake and discharge.

Products...

Copeland PerformanceAlert™ Diagnostics Module

Advanced Protection for Unmatched Reliability.

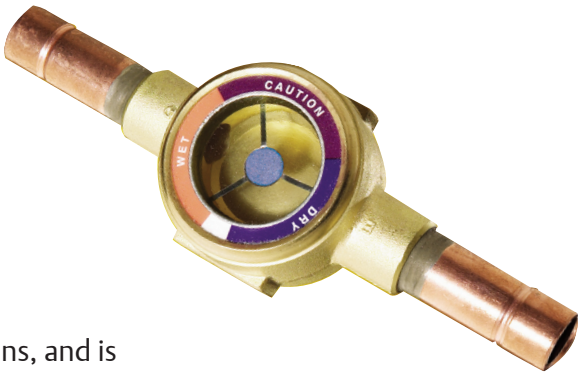
Copeland PerformanceAlert™ refrigeration diagnostics monitor compressor operation and provide advanced protection and diagnostics, making it easier to accurately diagnose and prevent refrigeration system failures. It also maintains a history of faults that have occurred in the system. The Copeland PerformanceAlert™ diagnostics module provides 11 fault codes to aid in preventing refrigeration system failures and enable remote monitoring.

Designed for use in new and existing refrigeration systems with Copeland® compressors, it can also communicate the fault conditions with other devices internal or external to the refrigeration system. This innovative product combines diagnostics, control, and communication benefits with unique features that protect Copeland® compressors and the system from failures.

Code	Feature
Red	Comp Trip Identification
Yellow 1	High Discharge Protection
Yellow 2	System Component Trip
Yellow 3	Short Cycling Protection
Yellow 4	Locked Rotor Alarm
Yellow 5	Open Circuit Detection
Yellow 6	Missing Phase Alarm/Open Run Circuit
Yellow 7	Reverse Phase/Open Start Circuit
Yellow 8	Welded Contactor Alarm
Yellow 9	Low Voltage Alarm
Yellow 10	Lost Communication
Yellow 11	Open/Short Discharge Line Temp Circuit

Hermetic Moisture Indicator (HMI)

Earlier System Warnings. Better System Protection



The HMI's patented water dial uses a three-step gauge to detect moisture at 3% relative humidity (RH), which gives you an early warning that corrections are necessary before any damage is done. Ordinary indicators use a two-step paper gauge that only detects moisture at 10% RH - a level that permits corrosive acids to build and destroy a system.

The HMI is available with both ODF (sweat) and SAE (flare) connections, and is the only moisture indicator UL - approved to 680 psig. Even as your customers' undergo mandated changes over the next few years, the HMI you install today will work with the refrigerants of tomorrow.

Compare HMI's Features to the Rest				
FEATURES	**EMERSON HMI**	**SPORLAN SA**	**PARKER PSG**	**DANFOSS SGI**
SEAL TYPE	BRAZED	KNIFE EDGE SEAL	O-RING	TEFLON SEAL
VIEWING LENS DIAMETER	0.95"	0.687" < 1/2" 0.953 > 1/2"	-.75"	0.50" < 1/2" 0.85" > 1/2"
RELATIVE HUMIDITY SENSING WAFER	3%	10%	10%	10%
ALL COPPER FITTINGS	YES	NO	YES	YES
SWIVEL-NUT CONNECTIONS	YES	YES	NO	NO
ALL BRASS BODY	YES	PAINTED STEEL BODY	YES	YES
MAXIMUM TEMPERATURE AT WHICH ELEMENT IS DAMAGED WHEN BRAZING	450°F	350°F	350°F	350°F
MAXIMUM WORKING PRESSURE	680 PSIG	650 PSIG	500 PSIG	500 PSIG
PLASTIC CAP COVER	YES	YES	NO	NO

The Extra Klean (EK) Filter Drier

Superior Production for Greater Refrigeration Protection

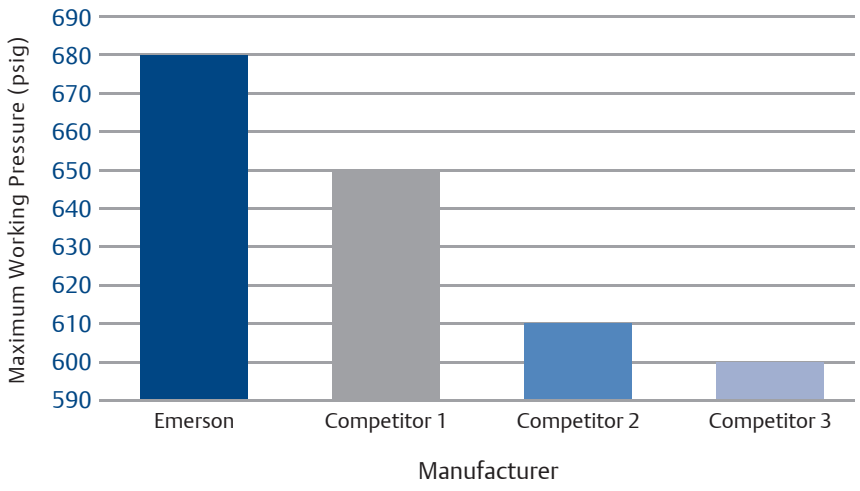
The EK Filter Drier provides measurably superior contaminant filtration, moisture removal and acid neutralization versus any other filter drier in the market.

The difference is that HFC systems with synthetic polyolester (POE) oils are protected from moisture by the unique beaded desiccants. POE absorbs up to 20 times more moisture than ordinary mineral oils. HFC/POE systems protected by the EK in turn have less corrosion.

SPECIFICATIONS

Desiccant blend – 75% molecular sieve and 25% activated alumina
Absolute filtration – 20 microns
Maximum working pressure – 680 psig, UL file number – SA 3124

SUPERIOR MAXIMUM WORKING PRESSURE



Medium Temperature R-404A Scroll Condensing Units
Capacity Data

90ºF Ambient

MEDIUM TEMP MODELS	H.P.	COMP MODEL	CAPACITY (BTU/HR) - EVAPORATOR TEMP (°F) 0	+5	+10	+15	+20	+25
FJAM-A15Z	1.5	ZB11KCE	7930	8880	9810	10800	11800	12900
FJAM-A20Z	2.0	ZB15KCE	11400	12600	13900	15200	16600	18100
FJAM-A25Z	2.5	ZB19KCE	14500	16100	17700	19400	21200	23200
FJAM-A30Z	3.0	ZB21KCE	17000	18800	20700	22600	24700	26900
FJAM-A35Z	3.5	ZB26KCE	19400	21500	23600	25700	38000	30500
FJAM-A40Z	4.0	ZB30KCE	23200	26000	28800	31800	34900	38200
FJAM-A50Z	5.0	ZB38KCE	28100	31400	34800	38400	42200	46100
FJAM-A60Z	6.0	ZB45KCE	33700	37200	40900	44700	48800	53100
FPAN-070Z	7.0	ZB50KCE	38200	42700	47300	52100	57100	62400
FPAN-080Z	8.0	ZB58KCE	42200	47200	52300	57600	63000	68600
FPAN-091Z	9.0	ZB66KCE	48800	54000	59200	64700	70300	76300
FPAN-101Z	10.0	ZB76KCE	56800	62500	68200	74100	80300	86800

100ºF Ambient

MEDIUM TEMP MODELS	H.P.	COMP MODEL	CAPACITY (BTU/HR) - EVAPORATOR TEMP (°F) 0	+5	+10	+15	+20	+25
FJAM-A15Z	1.5	ZB11KCE	7080	7990	8850	9760	10700	11700
FJAM-A20Z	2.0	ZB15KCE	10400	11600	12700	13900	15200	16600
FJAM-A25Z	2.5	ZB19KCE	13300	14700	16200	17800	19500	21300
FJAM-A30Z	3.0	ZB21KCE	15500	17200	18900	20700	22600	24600
FJAM-A35Z	3.5	ZB26KCE	17700	19600	21500	23500	25600	27800
FJAM-A40Z	4.0	ZB30KCE	21200	23800	26400	29200	32100	35100
FJAM-A50Z	5.0	ZB38KCE	25500	28600	31700	35000	38500	42200
FJAM-A60Z	6.0	ZB45KCE	30800	34100	37400	41000	44800	48700
FPAN-070Z	7.0	ZB50KCE	34200	38500	42800	47200	51900	56800
FPAN-080Z	8.0	ZB58KCE	37500	42100	46800	51600	56500	61600
FPAN-091Z	9.0	ZB66KCE	44700	49500	54200	59200	64400	69800
FPAN-101Z	10.0	ZB76KCE	51700	56800	61900	67300	72800	78600

110ºF Ambient

MEDIUM TEMP MODELS	H.P.	COMP MODEL	CAPACITY (BTU/HR) - EVAPORATOR TEMP (°F) 0	+5	+10	+15	+20	+25
FJAM-A15Z	1.5	ZB11KCE	6100	6980	7790	8630	9500	10400
FJAM-A20Z	2.0	ZB15KCE	9390	10400	11500	12600	13800	15000
FJAM-A25Z	2.5	ZB19KCE	12000	13300	14700	16100	17700	19300
FJAM-A30Z	3.0	ZB21KCE	14000	15500	17100	18700	20500	22300
FJAM-A35Z	3.5	ZB26KCE	15900	17600	19400	21200	23100	25100
FJAM-A40Z	4.0	ZB30KCE	19100	21500	23900	26400	29100	31900
FJAM-A50Z	5.0	ZB38KCE	23000	25700	28600	31600	34800	38100
FJAM-A60Z	6.0	ZB45KCE	27800	30800	33900	37100	40500	44100
FPAN-070Z	7.0	ZB50KCE	30000	34000	38000	42100	46400	50900
FPAN-080Z	8.0	ZB58KCE	32500	36800	41000	45300	49700	54200
FPAN-091Z	9.0	ZB66KCE	40300	44700	49100	53600	58300	63200
FPAN-101Z	10.0	ZB76KCE	---	50900	55400	60100	65000	70100

Capacities are at 60 Hertz with 65ºF return gas and 5ºF Subcooling. Multiply by .83 for 50 Hertz.
Capacities are based on single phase units if ≤ 3 HP. If > 3 HP, capacities are based on three phase units.

Low Temperature R-404A Scroll Condensing Units
Capacity Data

90ºF Ambient

LOW TEMP MODELS	H.P.	COMP MODEL	CAPACITY (BTU/HR) - EVAPORATOR TEMP (°F)								
			-40	-35	-30	-25	-20	-15	-10	-5	0
DJAL-015Z	1.5	ZF06K4E	4750	5460	6220	7020	7870	8770	9730	10700	11800
DJAL-020Z	2.0	ZF08K4E	6040	6870	7770	8740	9780	10900	12100	13300	14600
DJAL-022Z	2.2	ZF09K4E	6680	7580	8540	9560	10600	11800	13000	14300	15600
DJAL-026Z	2.5	ZF11K4E	8420	9580	10800	12200	13600	15200	16800	18600	20400
DJAL-030Z	3.0	ZF13K4E	9280	10600	12100	13600	15300	17100	18900	20900	22900
DJAL-041Z	4.0	ZF15K4E	12000	13700	15400	17300	19400	21600	24000	26500	29200
DJAL-051Z	5.0	ZF18K4E	14300	16300	18500	20700	23100	25700	28400	31400	34400
DJAL-060Z	6.0	ZF24K4E	17000	19400	22000	24700	27600	30600	33900	37300	40900

100ºF Ambient

LOW TEMP MODELS	H.P.	COMP MODEL	CAPACITY (BTU/HR) - EVAPORATOR TEMP (°F)								
			-40	-35	-30	-25	-20	-15	-10	-5	0
DJAL-015Z	1.5	ZF06K4E	4310	5020	5760	6540	7340	8180	9070	10000	10900
DJAL-020Z	2.0	ZF08K4E	5490	6310	7180	8110	9090	10100	11200	12300	13500
DJAL-022Z	2.2	ZF09K4E	6210	7050	7940	8870	9860	10900	12000	13200	14400
DJAL-026Z	2.5	ZF11K4E	7710	8840	10000	11300	12700	14100	15600	17200	18900
DJAL-030Z	3.0	ZF13K4E	8530	9770	11100	12600	14100	15700	17400	19300	21100
DJAL-041Z	4.0	ZF15K4E	11200	12700	14400	16100	18000	20000	22200	24500	26900
DJAL-051Z	5.0	ZF18K4E	13500	15400	17300	19400	21600	23900	26400	29100	31800
DJAL-060Z	6.0	ZF24K4E	15900	18100	20500	23000	25700	28500	31400	34500	37700

110ºF Ambient

LOW TEMP MODELS	H.P.	COMP MODEL	CAPACITY (BTU/HR) - EVAPORATOR TEMP (°F)								
			-40	-35	-30	-25	-20	-15	-10	-5	0
DJAL-015Z	1.5	ZF06K4E	3940	4650	5370	6110	6860	7640	8450	9290	10100
DJAL-020Z	2.0	ZF08K4E	4960	5760	6590	7460	8370	9310	10300	11300	12300
DJAL-022Z	2.2	ZF09K4E	5710	6490	7300	8150	9040	9970	11000	12000	13100
DJAL-026Z	2.5	ZF11K4E	7010	8100	9240	10400	11700	13000	14400	15800	17200
DJAL-030Z	3.0	ZF13K4E	7910	9030	10200	11500	12900	14400	15900	17500	19200
DJAL-041Z	4.0	ZF15K4E	10400	11700	13200	14800	16500	18300	20300	22400	24600
DJAL-051Z	5.0	ZF18K4E	12600	14300	16100	18000	20000	22000	24300	26700	29100
DJAL-060Z	6.0	ZF24K4E	14600	16700	18900	21200	23600	26100	28700	31500	34300

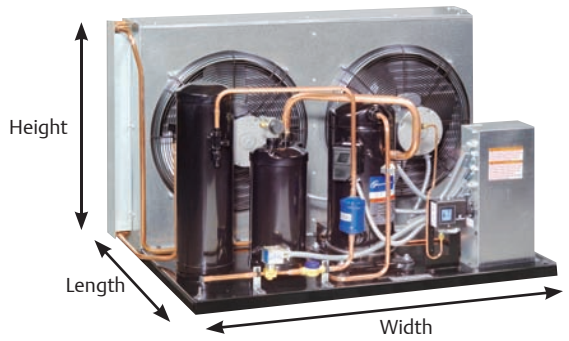
Capacities are at 60 Hertz with 65ºF return gas and 5ºF Subcooling. Multiply by .83 for 50 Hertz.
Capacities are based on single phase units if ≤ 3 HP. If > 3 HP, capacities are based on three phase units.

Medium Temperature R404A Scroll Condensing Unit Physical / Electrical Data																		
MEDIUM TEMP MODELS	COMP MODEL	DIMENSIONS (in.)			CONNECTING LINES				# of FANS	MIN CIRCUIT AMPACITY /MAX FUSE SIZE						PUMP DOWN CAPACITY (lbs)	SHIP WEIGHT (lbs)
		L	W	H	Suction		Liquid			208/230-1-60		230-3-60		460-3-60			
FJAM-A15Z	ZB11KCE	24.0	18.3	16.3	7/8	S	3/8	S	1	13.9	20					8.9	116
FJAM-A20Z	ZB15KCE	25.2	34.0	19.0	7/8	S	3/8	S	2	21.9	35	13.4	20	7.7	15	15.2	220
FJAM-A25Z	ZB19KCE	25.2	34.0	19.0	1 1/8	S	3/8	S	2	25.2	40	15.3	20	9.5	15	17.2	220
FJAM-A30Z	ZB21KCE	25.2	34.0	19.0	1 1/8	S	3/8	S	2	28.7	45	17.9	25	10.8	15	17.2	235
FJAM-A35Z	ZB26KCE	25.2	34.0	19.0	1 1/8	S	3/8	S	2	32.3	50	20.2	30	12.1	15	17.2	235
FJAM-A40Z	ZB30KCE	28.2	44.1	26.8	1 1/8	S	1/2	S	2	37.1	60	23.2	35	11.8	15	29.4	337
FJAM-A50Z	ZB38KCE	28.2	44.1	26.8	1 1/8	S	1/2	S	2	42.5	60	31.2	45	14.4	20	29.4	339
FJAM-A60Z	ZB45KCE	28.2	44.1	26.8	1 1/8	S	1/2	S	2			31.7	50	16.8	25	29.4	342
FPAN-070Z	ZB50KCE	28.5	44.0	36.8	1 3/8	S	5/8	S	2			44.8	60	23.2	30	60.4	495
FPAN-080Z	ZB58KCE	28.5	44.0	36.8	1 3/8	S	5/8	S	2			49.1	70	24.9	35	60.4	497
FPAN-091Z	ZB66KCE	28.5	44.0	36.8	1 3/8	S	5/8	S	2			51.0	70	26.3	35	60.4	498
FPAN-101Z	ZB76KCE	28.5	44.0	36.8	1 3/8	S	5/8	S	2			60.8	90	28.4	40	67.8	528
S - Sweat																	

Model	Comp. Model	Refrigerant	H.P.	Voltages	Bill of Materials
FJAM-A15Z	ZB11KCE	R404A	1.5	CFV	120, 172
FJAM-A20Z	ZB15KCE	R404A	2.0	CFV, TFC, TFD	015, 020, 071, 072, 081
FJAM-A25Z	ZB19KCE	R404A	2.5	CFV, TFC, TFD	015, 020, 071, 072, 081
FJAM-A30Z	ZB21KCE	R404A	3.0	CFV, TFC, TFD	015, 020, 071, 072, 081
FJAM-A35Z	ZB26KCE	R404A	3.5	CFV, TFC, TFD	015, 020, 071, 072, 081
FJAM-A40Z	ZB30KCE	R404A	4.0	CFV, TFC, TFD	015, 020, 071, 072, 081
FJAM-A50Z	ZB38KCE	R404A	5.0	CFV, TFC, TFD	015, 020, 071, 072, 081
FJAM-A60Z	ZB45KCE	R404A	6.0	TFC, TFD	015, 020, 071, 072, 081
FPAN-070Z	ZB50KCE	R404A	7.0	TFC, TFD	015, 020, 071, 072
FPAN-080Z	ZB58KCE	R404A	8.0	TFC, TFD	015, 020, 071, 072
FPAN-091Z	ZB66KCE	R404A	9.0	TFC, TFD	015, 020, 071, 072
FPAN-101Z	ZB76KCE	R404A	10.0	TFC, TFD	015, 020, 071, 072

Low Temperature R404A Scroll Condensing Unit Physical / Electrical Data																		
LOW TEMP MODELS	COMP MODEL	DIMENSIONS (in.)			CONNECTING LINES				# of FANS	MIN CIRCUIT AMPACITY / MAX FUSE SIZE						PUMP DOWN CAPACITY (lbs)	SHIP WEIGHT (lbs)
		L	W	H	Suction		Liquid			208/230-1-60		230-3-60		460-3-60			
DJAL-015Z	ZF06K4E	25.2	34.3	19.0	7/8	S	3/8	S	2	19.3	30	13.9	20	6.8	15	15.2	220
DJAL-020Z	ZF08K4E	25.2	34.3	19.0	7/8	S	3/8	S	2	22.8	35	14.4	20	7.7	15	15.2	222
DJAL-022Z	ZF09K4E	25.2	34.3	19.0	7/8	S	3/8	S	2	22.8	35	16.2	20	8.6	15	15.2	222
DJAL-026Z	ZF11K4E	25.2	34.3	19.0	1 1/8	S	3/8	S	2	28.7	45	19.8	30	12.1	15	17.2	235
DJAL-030Z	ZF13K4E	25.2	34.3	19.0	1 1/8	S	3/8	S	2	36.3	60	21.6	30	13.5	15	17.2	254
DJAL-041Z	ZF15K4E	28.2	44.1	26.8	1 1/8	S	1/2	S	2	43.4	70	30.4	45	14.4	20	29.4	339
DJAL-051Z	ZF18K4E	28.2	44.1	26.8	1 1/8	S	1/2	S	2			33.5	50	14.0	20	29.4	342
DJAL-060Z	ZF24K4E	28.2	44.1	26.8	1 1/8	S	1/2	S	2			41.1	60	22.0	35	29.4	476
S - Sweat																	

Model	Comp. Model	Refrigerant	H.P.	Voltages	Bill Of Materials
DJAL-015Z	ZF06K4E	R404A	1.5	CFV, TFC, TFD	015, 020, 071, 072, 081
DJAL-020Z	ZF08K4E	R404A	2.0	CFV, TFC, TFD	015, 020, 071, 072, 081
DJAL-022Z	ZF09K4E	R404A	2.2	CFV, TFC, TFD	015, 020, 071, 072, 081
DJAL-026Z	ZF11K4E	R404A	2.5	CFV, TFC, TFD	015, 020, 071, 072, 081
DJAL-030Z	ZF13K4E	R404A	3.0	CFV, TFC, TFD	015, 020, 071, 072, 081
DJAL-041Z	ZF15K4E	R404A	4.0	CFV, TFC, TFD	015, 020, 071, 072, 081
DJAL-051Z	ZF18K4E	R404A	5.0	TFC, TFD	015, 020, 071, 072, 081
DJAL-060Z	ZF24K4E	R404A	6.0	TSC, TSD	015, 020, 071, 072, 081



Electric Nomenclature

Single Phase (voltage-phase-hertz)		
208/230-1-60		**Description**
CFV		Capacitor Run - Capacitor Start (High Starting Torque)

Three Phase (voltage-phase-hertz)		
208/230-3-60	**460-3-60**	**Description**
TFC	TFD	Internal Inherent Protection - One Protector. Use with Contactor
TSC	TSD	Internal Thermal Protectors - Electronic Sensors and Control Module External. Use with Contactor

Unit Features

Bill Of Material	Suction Line		Liquid Line				BX Conduit	Fan Guard	Fan Cycle Control	UL
	Valve	Accumulator	Receiver w/Valve	Filter Drier	Moisture Indicator	*Copeland PerformanceAlert™				
120	•		•					•		UR
172	•		•	•	•			•		UR
174	•		•	•	•			•		UR
015	•	•	•				•	•	•	UL
020	•	•	•				•	•		UL
071	•	•	•	•	•		•	•	•	UL
072	•	•	•	•	•		•	•		UL
073	•	•	•	•	•		•	•	•	UL
074	•	•	•	•	•		•	•		UL
081	•	•	•	•	•	•	•	•	•	UL

Above BOM (Bill of Material) numbers apply only to the units listed in this brochure.

UL/UR are registered trademarks of Underwriters Laboratories, Inc. UL/UR and CSA label does not apply at 50 Hertz.

* PerformanceAlert diagnostic module only available on 3-phase condensing units.

To place an order determine:

- 1 Model
- 2 Electrical
- 3 Bill of Material (BOM)

Example: FJAM-A30Z -TFC -073
Model Electrical BOM
1+2+3 = complete model number

Control Data							
HP	**Voltage**	**Discharge Line T-Stat**	**Crankcase Heater**	**High And Low Pressure Control**	**Time Delay Relay**	**Contactor**	**115 Volt Control Circuit Transformer**
1 - 1/2	208/230 (1 PH)	YES	NO	YES	YES	YES	NO
1 - 1/2	230 (3 PH)*	YES	YES	YES	NO	YES	NO
1 - 1/2	460 (3 PH)*	YES	YES	YES	NO	YES	YES
2 - 6	208/230 (1 PH)	YES	NO	YES	YES	YES	NO
2 - 6	230 (3 PH)	YES	YES	YES	NO	YES	NO
2 - 6	460 (3 PH)	YES	YES	YES	NO	YES	YES
7 - 10	230 (3 PH)	YES	YES	YES	NO	YES	NO
7 - 10	460 (3 PH)	YES	YES	YES	NO	YES	YES
*Only applies to low temperature condensing units in this brochure.							
Above Control Data table only applies to the units listed in this brochure.							

Application Engineering Bulletins

Available on EmersonClimate.com

4-1273	Factors to Consider in Converting Compressor Rated Capacity to Actual Capacity
4-1299	Application Guidelines for K4 Refrigeration Scroll Compressors 2-6 Hp.
4-1302	Application Guidelines for K4 Refrigeration Scroll Compressors 7.5-15 Hp.
4-1303	Copeland Scroll Compressors
4-1317	Application Guidelines for ZB*KC/ZB*KCE Refrigeration Scroll Compressors 1.3 to 6 HP
4-1318	Application Guidelines for ZB*KC/ZB*KCE Refrigeration Scroll Compressors 7 to 15 HP
8-1347	Copeland PerformanceAlert™ Diagnostic Module
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

Distribution Services

Distribution Services offers centralized aftermarket support for authorized full-line wholesalers, contractors and end-users covering the full line of Copeland® compressors, condensing units and Emerson® motors, flow controls, system protectors and valves.

Use this software (2007IP-52) to compute refrigeration loads and select matching components. Contact your Emerson Climate Technologies sales manager for more details.

For more information on Copeland® condensing units, visit
EmersonClimate.com/integratedproducts

To learn more about Copeland Scroll® for foodservice refrigeration applications, visit
EmersonClimate.com/foodservice

For more information on Copeland Scroll® product applications, you can also reference our white paper Energy-Saving Incentives for High-Efficiency Scroll Compressors in Walk-In Coolers (2006CC-165) which can be found at
EmersonClimate.com/energy

To learn more about Copeland PerformanceAlert™, visit
EmersonClimate.com/copelandperformancealert

1675 W. Campbell Road
Sidney, OH 45365
EmersonClimate.com

Copeland® brand products

EMERSON™ Climate Technologies

EMERSON. CONSIDER IT SOLVED.™