ZR – Copeland Scroll™ Compressors

Application Range

Code	Application	Refgn/Substance Compressed
R	AC	R-22/407C/134a

Compressor Motor Types

Phase	Description	Code
1	Capacitor Run - Permanent Split Capacitor	P
3	General - 3 Lead Single Voltage - 6 Lead Part Winding (575 Volt)	T

Compressor Motor Protection

Type Protection	Code
Internal Inherent Protection	F
External Electronic Protection	W
External Enhanced	E

Family Series
Z = Scroll

Optional
E = POE Oil - AK/DA, 3MA or SP32

ZRDU12MCE-TFD-250

Modulation

Code	Description
D	Digital
DU	Digital Uneven Tandem
DT	Digital Even Tandem
S	Ultra Tech
T	Even Tandem
U	Uneven Tandem

Nominal Capacity at Rating Condition
2 - 3 numeric characters

Capacity Multiplier
M = 10,000
K = 1,000

Model Variation

1	R
2	H
3	L
4	M
5	Q
6	S
A	W
B	V
C	T
D	

Bill of Material Product Variation

Voltage Electrical Codes

Voltage Code	60 Hertz	50 Hertz
B	230-1	
C	208-230-3	200-3
D	460-3	380-240-3
E	575-3	
J	265-1	220-240-1
M		380-420-3
P		380-3
Q	265-1	
R		220-240-3
S		220-1
V	208-230-1	200-1*
W		200-220-3

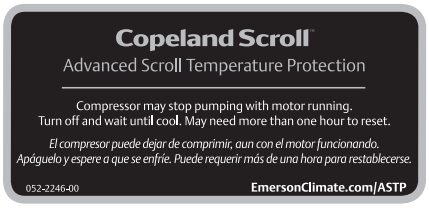
Misc AC Voltages

Z		220-240-1
5	200-230-3	200-220-3
7	380-3	
0		415-3
3	220-1	220-1

ZR - Compressor Parts

	Model	Start Capacitor		Run Capacitor		Relay		Motor Protector	Mounting Parts	Crankcase Heater
		OEM	Service	OEM	Service	OEM	Service			
		(014-)	(914-)	(014-)	(914-)	(040-)	(940-)		(527-)	
	ZR68KC(E)-PFV*	0006-15	0006-10	0064-35	0037-52	0166-37	0001-79	IP	0116-00	7
	ZR68KC(E)-TF*							IP	0116-00	7
	ZR72KC(E)-TF*							IP	0116-00	7
D	ZRD72KCE-TF*							IP	0116-00	7
	ZR80KC-PFV*	0006-15	0006-10	0064-35	0037-52	0166-37	0001-79	IP	0116-00	7
	ZR80KW-PFV*	0006-15	0006-10	0064-35	0037-52	0166-37	0001-79	IP	0116-00	7
	ZR81KC(E)-TF*							IP	0116-00	7
	ZR84KC(E)-TF*							IP	0116-00	4
	ZR90K3(E)-TW*							NOTE 2D	0159-00	9
	ZR94KC(E)-TF*							IP	0116-00	4
D	ZRD94KCE-TF*							IP	0116-00	
D	ZRDT96KC-TF*							IP	0150-00	7 and 13
	ZR108KC(E)-TF*							IP	0116-00	4
	ZR11M3(E)-TW*							NOTE 2D	0159-00	9
	ZR12M3(E)-TW*							NOTE 2D	0159-00	9
	ZR125KC(E)-TF*							IP	0116-00	4
D	ZRD125KCE-TF*							IP	0116-00	4 and 7
	ZR144KC(E)-TF*							IP	0116-00	4
	ZR160KC(E)-TE*							NOTE 3	0210-00	4
	ZR160KC(E)-TW*							NOTE 2A	0210-00	4
	ZR16M3(E)-TW*							NOTE 2D	0159-00	9
	ZR190KC(E)-TE*							NOTE 3	0210-00	4
	ZR190KC(E)-TW*							NOTE 2A	0210-00	4
	ZR19M3(E)-TW*							NOTE 2D	0159-00	9
	ZR250KC(E)-TE*							NOTE 3	0175-02	5A
	ZR250KC(E)-TW*							NOTE 2D	0175-02	5A
	ZR300KC(E)-TE*							NOTE 3	0175-00	5B
	ZR300KC(E)-TW*							NOTE 2D	0175-00	5B
	ZR310KC(E)-TE*							NOTE 3	0175-00	5B
	ZR310KC(E)-TW*							NOTE 2D	0175-02	5B
	ZR380KC(E)-TE*							NOTE 3	0175-00	5B
	ZR380KC(E)-TW*							NOTE 2D	0175-02	5B

D = Digital

Advanced Scroll Temperature Protection (ASTP), a feature to guard scroll compressors from overheating.

ASTP MODELS		
ZB50	-	ZR84
ZB58	ZP90	ZR94
ZB66	ZP103	ZR108
ZB76	ZP120	ZR125
ZB88	ZP137	ZR144
ZB95	ZP154	ZR160
ZB114	ZP182	ZR190