

MODEL	4	R	R	2	-	3000	-	T	S	K	-	800
DIGIT	1	2	3	4	-	5,6,7 & 8	-	9	10	11	-	12,13,14

DIGIT 1 COMPRESSOR FAMILY SERIES
EITHER A NUMBER OR LETTER ESTABLISHED FOR EACH PRODUCT MODEL

DIGIT 2 COMPRESSOR TYPE
A = STANDARD AIR COOLED
D = DISCUS REFRIGERANT COOLED
R = STANDARD REFRIGERANT COOLED
T = TWO STAGE
W = STANDARD WATER COOLED

A DIGIT (e.g. 4R3) REPRESENTS THE COMPRESSOR FAMILY SERIES AND INDICATES TANDEM COMPRESSOR

DIGIT 3 DISPLACEMENT AND VALVE PLATE
A LETTER ONLY, ARBITRARILY ASSIGNED FOR EACH DIFFERENT DISPLACEMENT VALVE PLATE COMBINATION WITHIN ANY ONE FAMILY SERIES

DIGIT 4 MODEL VARIATION
A NUMBER OR LETTER ASSIGNED TO INDICATE MAJOR VARIATIONS WITHIN ANY ONE FAMILY SERIES

DIGITS 5, 6, 7, & 8 TYPICAL MOTOR RATING
DIGIT 8 IS ALSO USED FOR OIL IDENTIFIER
"E" = POLYOL ESTER, "L" = SHIPPED WITHOUT OIL

CODE	NOMINAL HP	CODE	NOMINAL HP
0033	1/3	1000	10
0050	1/2	1015	10
0051	1/2	1200	12
0075	3/4	1500	15
0100	1	2000	20
0150	1-1/2	2200	22
0200	2	2500	25
0210	2	2700	27
0300	3	3000	30
0310	3	3500	35
0311	3	4000	40
0400	4	5000	50
0500	5	6000	60
0505	5	TANDEM	
0600	6	7000	70
0750	7-1/2	8000	80
0765	7-1/2	1110	100
0900	9	1120	120

DIGITS 12, 13 & 14 BILL OF MATERIAL - PRODUCT VARIATIONS
100 = STD. COMP. USED IN COPELAND COND. UNITS.
200 = STD. COMP. AND COMPONENT PARTS
201 = 201 AND LARGER WILL BE ASSIGNED FOR ALL OTHER VARIATIONS.
800 = STD. REPLACEMENT COMPRESSOR AND COMPONENT.
801 = STD. REPLACEMENT COMPRESSOR AND COMPONENT.
120 VOLT CONTROL.

DIGIT 11 TYPICAL ELECTRICAL CODES

CODE	60 Hz.	50 Hz.	CODE	60 Hz.	50 Hz.
A	115-1	100-1	R		200/240-3
B	230-1	200-1	S		220-1
C	208/230-3	200/220-3	T		200-1
D	460-3	380/420-3	U	200-3	
E	575-3	500-3	V	208/230-1	200/220-1
F		115-1	W		200/220-3
G		230-1	X	MISC. AC RATINGS	
H	208-1	200-1	Y		500-3
I		208/230-1	Z		220/240-1
K	208/230/460-3	200/380/400-3	3	200-1	200-1
L		210/240/380-3	4	100-1	100-1
M		380/420-3	5	200/230-3	
N	230/460-3	200/400-3	6	230-3	
O	ALL DC RATINGS		7	383	346-3
P		200/380-3	8	200/220-380-3	200/346-3

DIGIT 10 COMPRESSOR MOTOR PROTECTION

CODE	TYPE PROTECTION
A	EXTERNAL INHERENT PROTECTION. ONE PROTECTOR, (LINE BREAK). USE WITH CONTACTOR.
F	INTERNAL INHERENT PROTECTION. ONE PROTECTOR, (LINE BREAK). USE WITH CONTACTOR.
H	INTERNAL THERMOSTAT(S) AND EXTERNAL SUPPLEMENTARY PROTECTOR(S) MT'D ON COMPRESSOR. (TWO FOR 3 PH., ONE FOR SINGLE PH.). USE WITH CONTACTOR.
L	INTERNAL THERMOSTAT(S) AND THREE EXTERNAL SUPPLEMENTARY PROTECTORS MT'D ON COMPRESSOR. USE WITH CONTACTOR.
S	INTERNAL THERMAL PROTECTION. ELECTRONIC SENSORS AND CONTROL MODULE EXTERNAL. USE WITH CONTACTOR.

COMPRESSOR MOTOR TYPE

CODE	PHASE	DESCRIPTION
C	1	CAPACITOR RUN - CAPACITOR START
I	1	INDUCTION RUN - CAPACITOR START
E	3	WYE (STAR) DELTA
F	3	SIX LEAD PART WINDING OR ACROSS THE LINE EXCEPT 575 VOLT
T	3	MISC. THREE PHASE SINGLE VOLTAGE THREE LEAD DUAL VOLTAGE NINE LEAD 575 VOLT 60 cy/500 VOLT 50 cy UNDER 20 HP 3 LEAD, 20 HP AND UP 6 LEAD PART WINDING