

# COPELAND DISCUS NOMENCLATURE CHART

**Compressor cooling**

Code	Description
A	Air cooled
D	Discus
R	Ref. cooled
T	Std two stage
W	Water cooled

**Application Range**  
 R = ARI High/Med Temp rated 45/130  
 S = ARI Med Temp. Rated @ 0/120  
 P = ARI Low Temp, Rated @ 25/115

**Tandem Style Models**  
 Indicated by digit representing the comp. model series connected in tandem with a comp. of the model series indicated by the first digit

May also be  
 A (Alkybenzene)  
 E (POE Oil)  
 L (Less Oil)

**Compressor Motor Type**

<u>SINGLE PHASE MOTORS</u>	CODE
Capacitor run – capacitor start	C
Induction run – capacitor start	I
Induction run - split phase	S
Induction run – capacitor start, low torque	X

  

<u>THREE PHASE MOTORS</u>	
General	
3 lead single voltage	T
6 lead part winding (575v)	
9 lead dual voltage	
Star (WVE) Delta	E
6 Lead motors part winding or across the line	F

**Product Variations**

Numbers assigned as follows  
 1. 001 – 199 reserved for sub B/M numbers.  
 2.-200 indicates a std compressor & component parts B/M and model no  
 3. -201 and larger will be assigned for all other variations of given model

3 D S 3 R 17 M E - T F C      XXX

**Compressor Family Series**  
 Either a number or a letter for each product family.

**Displacement and valve plate**  
 Letter only arbitrarily assigned for each different displacement–valve plate combo, within one family series

**NOMINAL CAPACITY AT RATING CONDITION**  
 2 NUMERIC CHARACTERS

**CAPACITY MULTIPLIER**  
 K – 1,000  
 M – 10,000

**MODEL VARIATIONS**  
 Either a number or letter assigned to indicate major variations within any one family series. On some models:  
 (1 – short heads)  
 (3 – tall heads)

NOTE: Nominal horsepower rating of tandem compressors is sum of individual compressor ratings.

**Compressor Motor Protection**

Type Protection	Code
Ext. inherent protect. one Protector (line break) use with contactor	A
Internal inherent protect.-one protector use with contactor	F
Internal Thermostat(s)and ext suppl. protector(s) use with contactor	H
Internal thermostat(s) and three ext Supple. protectors use w/ contactor	L
Internal thermal protectors-electronic Sensors and ctrl module ext use w/contact.	S
Internal thermal protect. elect. sensors and ctrl module ext.use w/ contactor (European use only)	W

**Electrical Codes**

60hz	50hz ( Typical)	Code
115-1	100-1	A
230-1	200-1	B
208/230-3	200/220-3	C
460-3	380/400-3	D
575-3	500-3	E
--	115-1	F
--	230-1	G
200-1	200-1	H
--	208/230-1	I
208/230/460-3	208/400-3	K
--	215/240/380-3	L
--	380/420-3	M
230/460-3	280/400-3	N
--	200/380-3	P
--	200/240-3	R
--	220-1	S
--	200-1	T
200-3	--	U
208/230-1	200-1	V
--	200/220-3	W

**MISC A.C. RATINGS**  
 Are on reverse side

\*When applicable, specific 50hz ratings (not necessarily identical to typical shown above) will be shown as alternate on 60hz rated models

## COPELAND DISCUS NOMENCLATURE CHART (contd.)

<u>Electrical codes</u>		
<u>(cont. from front)</u>		
Misc. A.C. ratings		
<u>60hz</u>	<u>50hz</u>	<u>Code</u>
--	500-3	Y
--	220/240-3	Z
200-1	200-1	3
100-1	100-1	4
200-230-3	--	5
240-3	--	6
380	340	7
200/220/380	200/340	8