

Please use the links below to view the various Discus nomenclature specifications.

Old Discus Nomenclature

Example: 3DS3A150E-TFD

New Discus Nomenclature

Example: 3DS3R17ME-TFD

COPELAMETIC^â COMPRESSOR MODEL NUMBER NOMENCLATURE

COMPRESSOR COOLING	
CODE	DESCRIPTION
A	AIR COOLED
D	DISCUS
R	REFRIGERANT COOLED
T	STD. TWO STAGE
W	WATER COOLED

MAY BE
(-) OR A

TANDEM STYLE MODELS
INDICATED BY THE 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" (Alkylbenzene)
"E" (POE Oil)
"L" (Less Oil)

COMPRESSOR MOTOR TYPE	
SINGLE PHASE MOTORS	
CAPACITOR RUN - CAPACITOR START	C
INDUCTION RUN - CAPACITOR START	I
INDUCTION RUN - SPLIT PHASE	S
INDUCTION RUN - CAPACITOR START, LOW TORQUE	X
THREE PHASE MOTORS	
GENERAL	
3 LEAD SINGLE VOLTAGE	T
6 LEAD PART WINDING (575 VOLT)	
9 LEAD DUAL VOLTAGE	
STAR (WYE) DELTA	
	E
6 LEAD MOTORS	
PART WINDING OR ACROSS THE LINE	F

PRODUCT VARIATIONS
NUMBERS WILL BE ASSIGNED AS FOLLOWS:

1. NUMBERS -001 THROUGH -199 ARE RESERVED FOR SUB-B/M NUMBERS.
2. NUMBERS -200 INDICATES A STANDARD COMPRESSOR AND COMPONENT PARTS B/M AND MODEL NO.
3. NUMBERS -201 AND LARGER WILL BE ASSIGNED FOR ALL OTHER VARIATIONS OF A GIVEN MODEL.

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

COMPRESSOR FAMILY SERIES
EITHER A NUMBER OR A LETTER ESTABLISHED FOR EACH PRODUCT FAMILY.

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

MODEL VARIATIONS
A NUMBER ASSIGNED TO INDICATE MAJOR VARIATIONS WITHIN ANY ONE FAMILY SERIES.

COMP. MOTOR RATING		
NOMINAL		
H.P.		CODE
1/4	....	0025
1/3	....	0033
1/2	....	0050
3/4	....	0075
1	....	0100
1-1/4	....	0125
1-1/2	....	0150
1-3/4	....	0175
2	....	0200
2-1/2	....	0250
2-3/4	....	0275
3	(0310)	0300
3-1/2	....	0350
4	(0406)	0400
5	(0506)	0500
6	....	0600
7-1/2	(0766)	0750
9	....	0900
10	(1015)	1000
12	....	1200
15	....	1500
20	....	2000
25	....	2500
30	....	3000
35	....	3500
40	....	4000
50	....	5000
60	....	6000

COMPRESSOR MOTOR PROTECTION	
TYPE PROTECTION	CODE
EXTERNAL INHERENT PROTECTION-ONE PROTECTOR (LINE BREAK) USE WITH CONTACTOR	.... A
INTERNAL INHERENT PROTECTION-ONE PROTECTOR USE WITH CONTACTOR	.... F
INTERNAL THERMOSTAT (s); AND EXT. SUPPLEMENTARY PROTECTOR (s). USE WITH CONTACTOR.	.... H
INTERNAL THERMOSTAT (s); AND THREE EXT. SUPPLEMENTARY PROTECTORS. USE WITH CONTACTOR	... L
INTERNAL THERMAL PROTECTORS-ELECTRONIC SENSORS; AND CONTROL MODULE EXTERNAL. USE WITH CONTACTOR.	.... S
INTERNAL THERMAL PROTECTORS-ELECTRONIC SENSORS; AND CONTROL MODULE EXTERNAL. USE WITH CONTACTOR. (FOR EUROPEAN USE ONLY)	.... W

ELECTRICAL CODES		
60 Hz.	* 50 Hz. (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
208-1	200-1	H
--	208/230-1	I
208/230/460-3	200/400-3	K
--	210/240/380-3	L
--	380/420-3	M
230/460-3	200/400-3	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		
--	500-3	Y
--	220/240-1	Z
200-1	200-1	3
100-1	100-1	4
200-230-3	--	5
230-3	--	6
380	346	7
200/220/380	200/346	8

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

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

DISCUS COPELAMETIC® COMPRESSOR MODEL NUMBER NOMENCLATURE

