



# DC MOTOR NOMENCLATURE GUIDE, DE SERIES

GUIDE ONLY. ALL COMBINATIONS MAY NOT BE DESIGNED OR AVAILABLE

## MOTOR TYPE

DE= EXTERNAL ROTOR ————— **DE** **XX** - **X** **XX** **X** **XX**

## MOTOR DIAMETER (APPROX.)

11 = 1.10 INCH (28 mm)  
18 = 1.84 INCH (47 mm)  
19 = 1.94 INCH (49 mm)  
23 = 2.25 INCH (57 mm)  
28 = 2.81 INCH (71 mm)  
29 = 2.84 INCH (72 mm)  
36 = 3.62 INCH (92 mm)

## STACK LENGTH

A = < 0.4 IN.  
B = 0.4-0.5 IN.  
C = 0.5-0.6 IN.  
D = 0.6-0.7 IN.  
E = 0.7-0.8 IN.  
F = 0.8-0.9 IN.  
G = 0.9-1.0 IN.

## VOLTAGE

05 = 5 VDC      48 = 48 VDC  
12 = 12 VDC     60 = 60 VDC  
24 = 24 VDC  
36 = 36 VDC

## SPEED (POLES)

L = LOW  
M = MEDIUM  
H = FULL (FORMERLY HIGH DESIGNATION)  
K = HIGH  
Z = EXTRA HIGH

## NON-STANDARD

XX = E/M VARIATIONS / FEATURES, INCLUDING SPECIAL SHAFT, BEARINGS, MOUNTING, TERMINATION (HARNESS), LEAD LENGTH, ETC, NOT AFFECTING BASIC MOTOR PERFORMANCE. SEE CODES BELOW.

A = CW  
B = CCW  
C =  
D =  
E = ENVIRO SHIELD (Followed by 1, 2 or 3)  
F = GEAR BOX  
H = HARNESS ASSEMBLY  
J =  
K =  
L =  
M = SPECIAL MOUNTING  
N =

P = PROGRAMMABLE  
Q = ALARM  
R = THERMAL SPEED CONTROL  
S = SPECIAL SHAFT  
T = TACHOMETER  
U =  
V =  
W  
X = SPECIAL (other)  
Y =

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