



AC MOTOR NOMENCLATURE GUIDE

AI SERIES (PSC, AIR OVER)

GUIDE ONLY. ALL COMBINATIONS MAY NOT BE DESIGNED OR AVAILABLE

MOTOR TYPE

AI = PSC, AIR OVER

MOTOR DIAMETER

29 = 3.0 INCH 38 = 3.8 INCH
34 = 3.4 INCH 45 = 4.5 INCH

STACK LENGTH

A = 0.25 - 0.39 IN F = 1.51 - 1.65 IN
B = 0.40 - 0.60 IN H = 1.66 - 1.75 IN
C = 0.59 - 0.90 IN J = 1.76 - 2.00 IN
D = 0.91 - 1.20 IN K = 2.10 - 2.25 IN
E = 1.21 - 1.50 IN

VOLTAGE

02 = 115 V 50/60 Hz (CODE FORMERLY 115)
03 = 230 or 220 V, 50/60 Hz (CODE FORMERLY 230)
20 = 120 V 50/60 Hz
23 = 115 / 230 V 50/60 Hz (DUAL VOLTAGE)
35 = 208 - 230 V 60 Hz
53 = 208 V 50/60 Hz (187-229)

SPEED (POLES) (FORMERLY SUFFIXED TO STACK LENGTH)

M = HALF (4 pole)
H = FULL (2 pole)
L = LOW (6 pole)

NON-STANDARD

XX = E/M VARIATIONS / FEATURES, INCLUDING SPECIAL SHAFT, BEARINGS, MOUNTING, TERMINATION (HARNESS), LEAD LENGTH, ETC., NOT SAFETY RELEVANT *Except "E & Z". SEE CODES BELOW.

- A = SPECIAL SHAFT
- B = SPECIAL MOUNTING
- C = REVERSE ROTATION (CCW STD)
- D = BI-DIRECTIONAL *Altered construction requiring agency evaluation.
- E = SPECIAL CAPACITOR (EXTERNAL) *Altered construction requiring agency evaluation.
- F = GEAR BOX
- H = HIGH SLIP
- J = TWO SPEED
- K = THREE SPEED
- L = FULL SPEED WITH LOW REDUCED SPEED (NOT FOR NEW DESIGNS. USE J FOR TWO SPEED)
- M = SPECIAL MULTIPLE SPEEDS
- N =
- P = COLOR OF HOUSING (IF NOT COMAIR STD)
- Q =
- R =
- S =
- T =
- U = AUGUMENTED COOLING (UMBRELLA FAN OR EQUIVALENT)
- V =
- W
- X = SPECIAL
- Y =
- Z = HIGHER POWER FOR SAME STACK CONFIGURATION *Altered construction requiring agency evaluation.

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