

Motor Ordering Guide

SK

OR

Frame 1

Size 2

Poles 4

Mounting 3

Motor Options 5

Brake Size 6

Brake Options 7

Part Number

Size & Frame Combinations 1 2					Available Mounting Combinations 3								Poles 4		
Frame	Size				NEMA Foot	NEMA C-face	IEC B3	IEC B5	IEC B14				Poles	60Hz [rpm]	50Hz [rpm]
63	S	L	-	-	-	56C	-	A140	C90	C105	C120	-	4	1800	1500
71	S	-	-	-	56	56C	B3-71S	A160	C105	C120	C140	-	4-2	1800/3600	1500/3000
71	L	-	-	-	56	56C	B3-71L	A160	C105	C120	C140	-	8-2	900/3600	750/3000
80	S	-	-	-	56	56C	B3-80S	A200	C120	C140	C160	-	Other		
80	L	LP	-	-	56	56C	B3-80L	A200	C120	C140	C160	-			
90	S	SP	-	-	145T	145TC	B3-90S	A200	C120	C140	C160	-			
100	L	LP	LA	AP	182T	182TC	B3-100L	A250	C120	C140	C160	C200			
112	M	MP	-	-	184T	184TC	B3-112M	A250	C140	C160	C200	-			
132	S	SP	-	-	213T	213TC	B3-132S	A300	C160	C200	-	-			
132	M	MP	-	-	215T	215TC	B3-132M	A300	C160	C200	-	-			
160	S	SP	-	-	-	254TC	B3-160S	A300	C200	-	-	-			
160	M	MP	-	-	-	256TC	B3-160M	A300	C200	-	-	-			
160	L	LP	-	-	-	256TC	B3-160L	A300	C200	-	-	-			
180	MX	-	-	-	-	284TC	-	A300	C200	-	-	-			
180	LX	-	-	-	-	286TC	-	A350	C200	-	-	-			
180	MP	-	-	-	-	284TC	B3-180M	A350	-	-	-	-			
180	LP	-	-	-	-	286TC	B3-180L	A350	-	-	-	-			
225	RP	-	-	-	-	-	-	-	-	-	-	-			
225	SP	MP	-	-	-	-	B3-225	A450	-	-	-	-			
250	WP	-	-	-	-	-	-	-	-	-	-	-			

Motor Options 5

Electrical Motor Options

☐ TW - Thermostat

☐ TF - Thermistor

☐ SH - Space Heater (select voltage)

☐ 110 Volt ☐ 230 Volt ☐ 460 Volt

AC Drive Related Motor Options

☐ F - Blower Fan (200-575V 1 & 3 Phase)

☐ FC - Blower Cooling Fan (115V, 1 Phase)

☐ IG__ - Incremental Encoder

☐ IG__P - Incremental Encoder with Plug

IG & IG__P Options:

Logic: ☐ TTL ☐ HTL ☐ Push-pull

Supply: ☐ 4-6V ☐ 10-30V ☐ 5-30V

PPR: ☐ 1024 ☐ 2048 ☐ 4096

☐ AG - Absolute Encoder

AG Options: Turns _____ Step _____

AG Bus System: _____

☐ MG - Magnetic Encoder PPR: ☐ 1 ☐ 32 ☐ 256

Environmental Motor Options

☐ RD - Canopy Drip Cover

☐ RDD - Double Fan Cover

☐ KB - Condensation Drain Holes (plugged)

☐ KBO - Condensation Drain Holes (open)

☐ IP66 - IP66 Enclosure Protection

☐ KKV - Terminal Box Sealed with Resin

☐ AICM - Additional Insulation

☐ EP - Epoxy Dipped Windings

Additional Motor Options

☐ OL - Totally Enclosed Non-Ventilated (TENV)

☐ OL/H - (TENV) Without Fan Cover

☐ WE - Second Shaft Extension (Fan Side)

☐ HR - Hand Wheel

☐ Z - High Inertia Cast Iron Fan

☐ RLS - Motor Backstop (rotation viewing fan)

☐ Clockwise ☐ Counter-Clockwise

☐ EKK - Small Terminal Box

☐ MS - Quick Power Plug Connector

Brake Options 7

☐ HL - Hand Release Lever

☐ FHL - Locking Hand Release Lever

☐ HLH - Hand Release Lever with Hole

☐ RG - Corrosion Protected Brake

☐ SR - Dust & Corrosion Protected Brake

☐ ADJ _____ Nm -
Brake Torque Adjustment

☐ BIP66 - IP66 Brake Enclosure

☐ MIK - Micro-switch

☐ BSH - Brake Heating/Bifilar Coil

☐ NRB1 - Quiet Brake Release

☐ NRB2 - Quiet Brakemotor Operation

☐ G...P - High Performance Rectifier
(See Rectifier Selection Below)

☐ G...V - Sealed Rectifier
(See Rectifier Selection Below)

☐ IR - Current Sensing Relay

Efficiency Class

☐ Premium Efficient (PE/IE3) (P)

Standards

☐ North American [CUS]

☐ International [IEC]

☐ Other: _____

Electrical Design

☐ 3-Phase

☐ Single Phase - ECR (60Hz)

Hazardous Location

☐ None

☐ Class 1 Div 2 - Gas

☐ Class 2 Div 2 - Dust

☐ Global - ATEX

Paint Options*

☐ Unpainted Aluminum Alloy

☐ Basic

☐ NSD2

☐ NSD3

☐ NSDC3

☐ NSDF3

☐ NSD4

☐ NSD5

☐ Other _____

* See pg 35 for more options

Brake Size 6

☐ BRE 5

☐ BRE 100

☐ BRE 10

☐ BRE 150

☐ BRE 20

☐ BRE 250

☐ BRE 40

☐ BRE 400

☐ BRE 60

☐ BRE 800

Rectifier Selection

Rectifier Wiring

☐ Across the line
(from terminal box)

☐ Separate power source
(AC vector drive)
(Soft starter)

Brake Supply Voltage

☐ 24 VDC ☐ 400 VAC

☐ 115 VAC ☐ 460 VAC

☐ 208 VAC ☐ 575 VAC

☐ 230 VAC ☐ Other _____

Braking Method*

☐ Method 10 ☐ Method 35

☐ Method 15 ☐ Method 40

☐ Method 20 ☐ Method 45

☐ Method 25 ☐ Method 50

☐ Method 30 ☐ Method 55

* More info on page 63

Voltage & Frequency

Single Speed Motors

☐ 230/460V-60Hz

☐ 208/360V-60Hz

☐ 575V-60Hz

☐ 400V-50Hz

☐ Other _____

Two Speed Motors

☐ 460V-60Hz

☐ 230V-60Hz

☐ 575V-60Hz

☐ 400V-50Hz

☐ Other _____

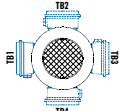
Terminal Box Position

TB1

TB2

TB3

TB4



Mtg. Pos. M1 Shown

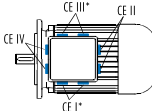
Conduit Entry Location

CE I *

CE II

CE III *

CE IV



Mtg. Pos. M1 Shown

*Brakemotor

Hand Release Position

HL1

HL2

HL3

HL4

