

METRIC (IEC) B5 FLANGE KITS

Includes parts to convert these B3 rigid mount motors to a B5 flange mounting. See kits on page 78.



METRIC (IEC) B14 FACE KITS

Includes parts to convert these B3 rigid mount motors to a B14 face mounting. See kits on page 79.



REDUCED DIAMETER METRIC FLANGES

Imported OEM equipment can often have a flange face that is different from its motor's frame size. LEESON now stocks metric (IEC) reduced diameter B14 flanges so you can put a 71 frame flange on an 80 frame motor for example. Flanges come pre-fitted with oil seals and have all the necessary hardware for easy field mounting.

Motor Frame	B14 Flange Frame	Catalogue Number
63	56	175900
71	63	175901
80	71	175902
90	80	175903





AC METRIC (IEC) MOTORS

THREE PHASE • RIGID BASE WITH FLANGE



METRIC (IEC) B5 FLANGE KITS

Includes parts to convert a B3 rigid mount motor (page 73) to B5 flange mounting.

For Aluminum Frame Motors Only (192000 Series)

	63 Frame		71 Frame		80 Frame		90 Frame	
	Cat. No.	App. Wgt. (lbs.)	Cat. No.	App. Wgt. (lbs.)	Cat. No.	App. Wgt. (lbs.)	Cat. No.	App. Wgt. (lbs.)
(B5) Flange	175850	1	175852	1	175854	2	175856	2

For Cast Iron Frame Motors Only (193000 Series)

These kits are for use only on IEC cast iron motors built after May, 2000. For information on kits for such motors built prior to May, 2000, contact LEESON.

	100 Frame		112 Frame		132 Frame		160 Frame		180 Frame	
	Cat. No.	App. Wgt. (lbs.)	Cat. No.	App. Wgt. (lbs.)	Cat. No.	App. Wgt. (lbs.)	Cat. No.	App. Wgt. (lbs.)	Cat. No.	App. Wgt. (lbs.)
(B5) Flange^①	175882	13	175884	16	175886	20	175888	36	175890	43
(B5) Flange^②	175984	13	175986	16	175988	20	175990	36	Use 175890	

	200 Frame		225 Frame	
	Cat. No.	App. Wgt. (lbs.)	Cat. No.	App. Wgt. (lbs.)
(B5)^{①②} Flange	175994	58	175995	73

① Use with F2-mount motors – date code April 2002 and earlier.

② Use with F3-mount motors – date code May 2002 and later.



METRIC (IEC) B14 FACE KITS

Includes parts to convert a B3 rigid mount motor (page 77) to B14 face mounting.

For Aluminum Frame Motors Only (192000 Series)

	63 Frame		71 Frame		80 Frame		90 Frame	
	Cat. No.	App. Wgt. (lbs.)	Cat. No.	App. Wgt. (lbs.)	Cat. No.	App. Wgt. (lbs.)	Cat. No.	App. Wgt. (lbs.)
(B14) Face	175851	1	175853	1	175855	1	175857	1

For Cast Iron Frame Motors Only (193000 Series)

These kits are for use only on IEC cast iron motors built after May, 2000. For information on kits for such motors built prior to May, 2000, contact LEESON.

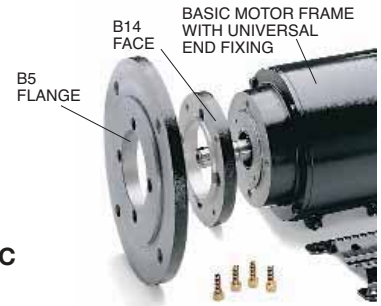
	100 Frame		112 Frame		132 Frame		160 Frame	
	Cat. No.	App. Wgt. (lbs.)	Cat. No.	App. Wgt. (lbs.)	Cat. No.	App. Wgt. (lbs.)	Cat. No.	App. Wgt. (lbs.)
(B14) Face^①	175883	8	175885	8	175887	12	175889	25
(B14) Face^②	175985	8	175987	8	175989	12	175991	25

^① Use with F2-mount motors – date code April 2002 and earlier.

^② Use with F3-mount motors – date code May 2002 and later.

FLANGE AND FACE KITS FOR DC METRIC (IEC) FRAME MOTORS

An advantage of LEESON'S modular design concept is the possible use of a different diameter B5 flange or B14 face than is normally assigned to a motor by IEC dimensional standards. This flexibility makes it possible to accommodate a wide variety of gear reducers, pumps and similar close coupled motor mounted loads.



Round body DC Metric IEC motors will accept any of the flange or face kits listed.

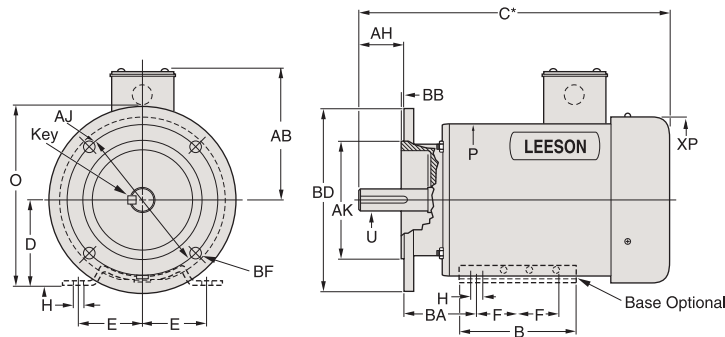
B5 FLANGE KITS (For DC Metric Motors Only)

IEC Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	BD Flange Dia. (mm)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)
71	175106	A	2	160	110	9	130
80	175108	A	3	200	130	12	165
90S/90L	175108	A	3	200	130	12	165
100L/112M	175137	A	5	250	180	15	215

B14 FACE KITS (For DC Metric Motors Only)

IEC Frame	Catalog Number	Disc. Sym.	App. Wgt. (lbs.)	BD Flange Dia. (mm)	AK Register (mm)	BF Tap (mm)	AJ Bolt Circle (mm)
71	175107	A	1	105	70	6	85
80	175109	A	1	120	80	6	100
90S/90L	175129	A	1	140	95	6	115
100L/112M	175130	A	2	160	110	6	130

CONDENSED DIMENSIONS • DC METRIC (IEC) FRAME MOTORS



*For overall length, see motor listing.

IEC FRAME DIMENSIONS (Millimeters)

IEC Frame	Mounting					Shaft						B14 Face/B5 Flange					General			
	2E	2F	BA	D	H	U	AH	KEY	S	R	TAP	AJ	AK	BD	BF	BB	AB	XP	B	O
56	90	71	36	56	6	9	20	15	3	7.0	M3	65 100	50 80	80 120	M5 7	2.5 2.5	83	96	90	99
63	100	80	40	63	7	11	23	19	4	9.0	M4	75 115	60 95	90 140	M5 9	2.5 3.0	116	96	96	108
71	112	90	45	71	7	14	30	26	5	11.5	M5	85 130	70 110	105 160	M6 9	2.5 3.5	114	130	105	132
80	125	100	50	80	10	19	40	33	6	16.0	M6	100 165	80 130	120 200	M6 12	3.0 3.5	124	149	127	151
90S	140	100	56	90	10	24	50	36	8	20.5	M8	115 165	95 130	140 200	M8 12	3.0 3.5	135	182	152	173
90L	140	125	56	90	10	24	50	36	8	20.5	M8	115 165	95 130	140 200	M8 12	3.0 3.5	135	182	152	173
100L	160	140	63	100	12	28	60	41	8	24.5	M10	130 215	110 180	160 250	M8 15	3.5 4.0	135	182	176	173
112M	190	140	70	112	12	28	60	41	8	24.5	M10	130 215	110 180	160 250	M8 15	3.5 4.0	162	231	176	225

◇ Without face or flange AH shaft dimension is 12mm longer.

All dimensions in millimeters (1 inch = 25.4mm)