



### EUROPEAN-STYLE AC METRIC MOTORS

These high efficiency motors meet North American performance standards and EPACT energy efficiency mandates, and have 1.15 service factors.

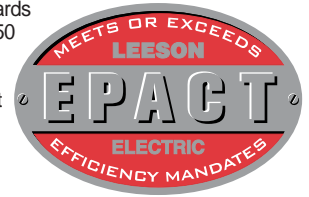
Typically used for replacement on machine tools, textile machinery and other equipment with metric dimensions but requiring the heavy-duty torque and performance of motors designed for use in North America.

#### Two frame constructions are offered:

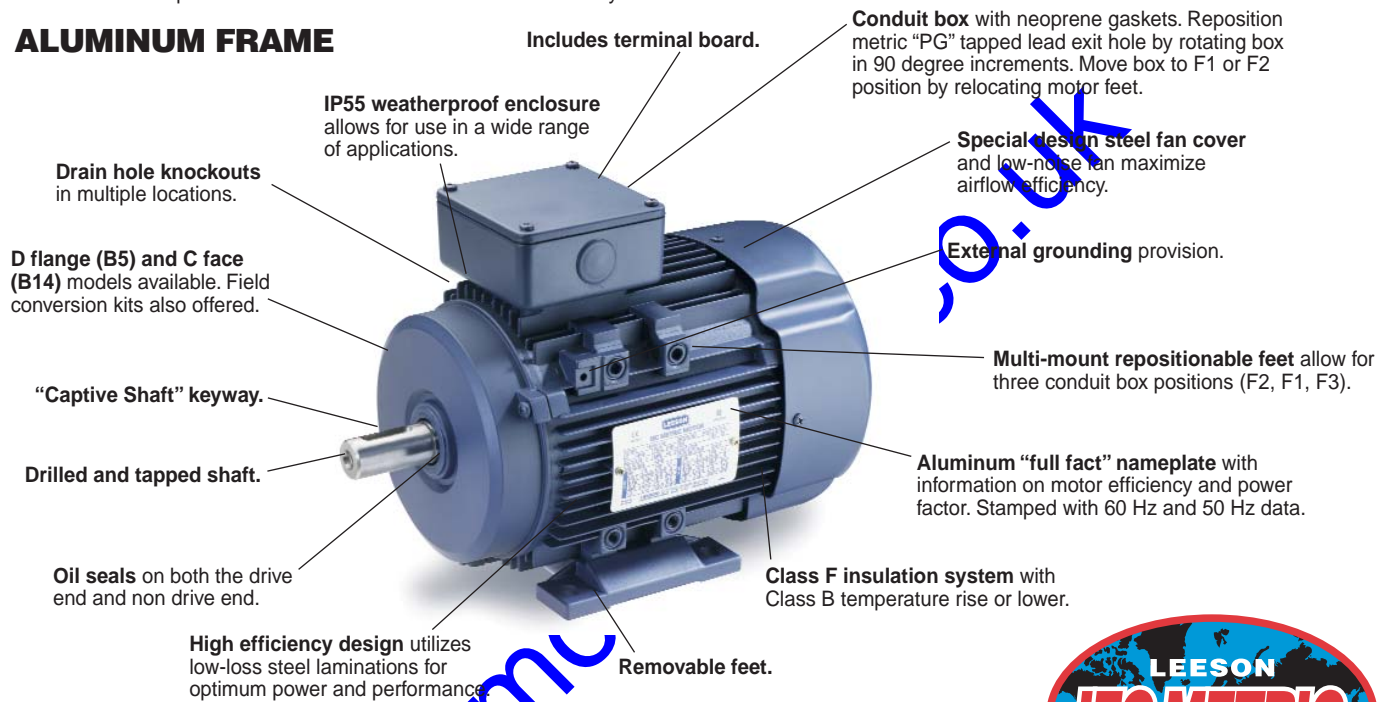
**Aluminum frame** models are designated with a 192000 series catalog number, while **cast iron frame** models are 193000 series.

**Note:** A "true-metric" design, as pictured on this page, was adopted by LEESON for aluminum motors starting with March 2002 date codes and cast iron motors with May 2002 date codes. Cartons will be marked "F3" to indicate the 12:00 conduit box position. Contact LEESON for details and availability.

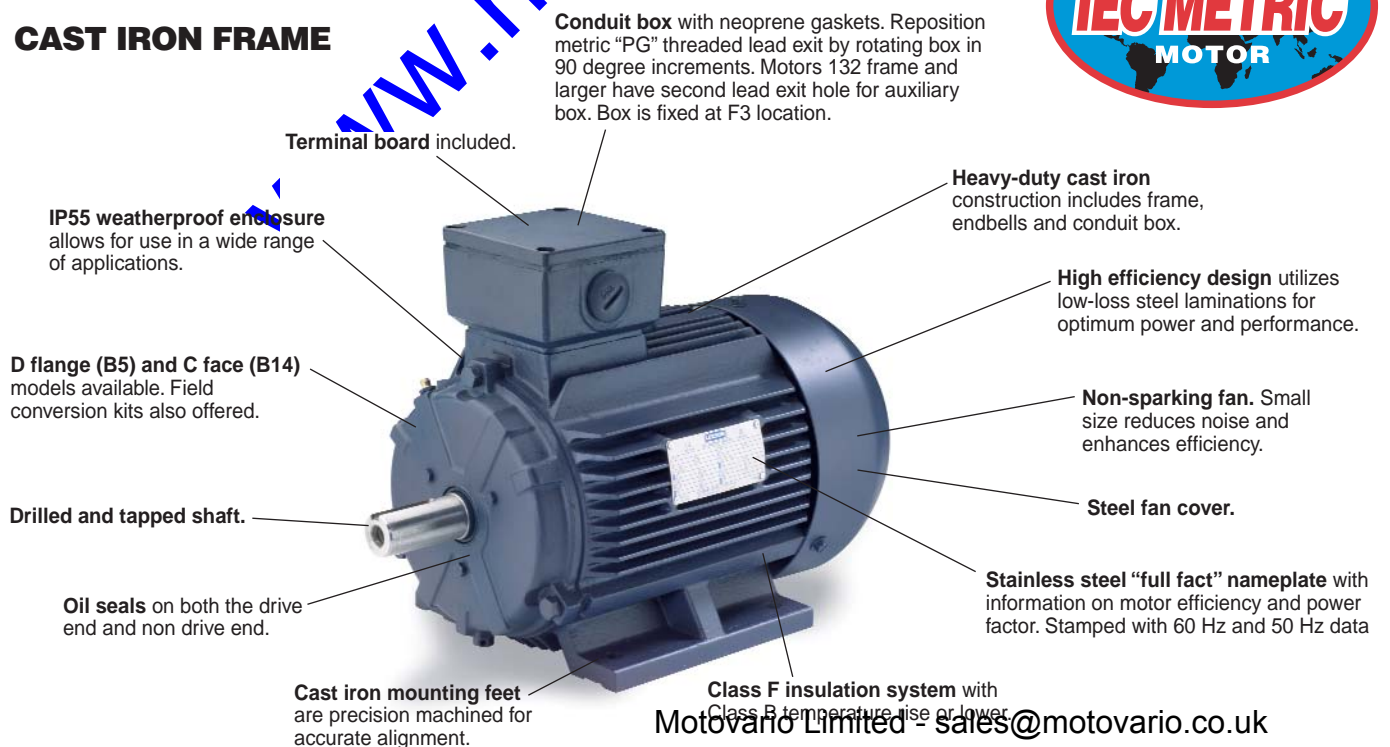
Both types are built to meet international standards and feature IP55 weatherproof enclosures, 60/50 Hz interchangeability (60Hz 230/460 V & 50Hz 200/400V), dual stamped nameplates, CE mark, and F3 conduit box location. Kits are available for field conversion from B3 to B3/B5 or B3/B14.



### ALUMINUM FRAME



### CAST IRON FRAME



# LEESON AC METRIC (IEC) MOTORS

## THREE PHASE • RIGID BASE

### B3 FOOT-MOUNTED METRIC MOTORS • 230/460V

Metric-dimensioned, AC motors meeting North American performance standards, including 1.15 service factor and EPACT efficiencies. For replacement use on machine tools, textile machinery and other equipment with metric dimensions but requiring the heavy-duty torque and performance characteristics of motors designed for use in North America.

IP55 weatherproof enclosures, 60/50 Hz interchangeability (60Hz 230/460V & 50Hz 200/400V), dual stamped nameplates, CE mark, and F3 conduit box location. Kits are available for field conversion from B3 to B3/B5 or B3/B14. See pages 71 and 72 for details.

Motors are available in one of two frame constructions: aluminum or cast iron. Aluminum frame models are designated with a 192000 series catalog number; cast iron models are 193000 series.



#### THREE PHASE • IP55 • 1.15 S.F.

HP-KW	RPM 60 Hz	IEC Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1/4-0.18	3425	D63	192010	\$131	A	10	230/460	0.8	72.0	8.55
	1700	D63	192011	137	A	11	230/460	1.1	68.0	8.55
	1100	D71	192012	234	A	12	230/460	1.2	64.0	9.16
1/3-0.25	3425	D63	192020	151	A	11	230/460	1.1	72.0	8.55
	1700	D71	192021	160	A	13	230/460	1.4	68.0	9.46
	1100	D80	192022	250	A	17	230/460	1.3	70.0	11.11
1/2-0.37	3425	D71	192030	164	A	13	230/460	1.6	74.0	9.46
	1700	D71	192031	167	A	14	230/460	1.8	74.0	9.46
	1100	D80	192032	261	A	19	230/460	1.9	72.0	11.11
3/4-0.55	3425	D71	192040	171	A	15	230/460	2.4	74.0	9.46
	1700	D80	192041	181	A	18	230/460	2.5	74.0	11.11
	1100	D80	192042	280	A	22	230/460	2.7	72.0	11.11
1-0.75	3425	D80	192050	194	A	21	230/460	2.8	75.5	11.11
	1700	D80	192051	197	A	26	230/460	3.2	80.0	11.11
	1100	D90S	192052	293	B	33	230/460	3.3	80.0	12.61
1 1/2-1.1	3425	D80	192060	216	B	27	230/460	4.0	84.0	11.11
	1700	D90S	192061	221	B	37	230/460	4.6	85.5	12.61
2-1.5	3425	D90S	192070	230	B	33	230/460	5.2	85.5	12.61
	1700	D90L	192071	238	B	38	230/460	5.8	84.0	12.61
	1100	DF100L	193072	364	B	82	230/460	6.4	84.0	14.97
3-2.2	3425	D90L	192080	331	B	39	230/460	7.2	86.5	12.61
	1750	DF100L	193081	352	B	84	230/460	8.2	87.5	14.97
	1140	DF112M	193082	514	B	100	230/460	9.6	87.5	15.76
4-3	3510	DF100L	193090	376	B	71	230/460	10.0	87.5	14.97
	1750	DF100L	193091	383	B	84	230/460	10.4	85.5	14.97
	1180	DF132S	193092	621	B	154	230/460	13.4	87.5	18.72
5 1/2-4	3510	DF112M	193100	485	B	101	230/460	13.6	87.5	15.76
	1750	DF112M	193101	467	B	104	230/460	15.0	87.5	15.76
	1180	DF132M	193102	718	B	176	230/460	17.6	87.5	20.29
7 1/2-5.5	3510	DF132S	193110	607	B	152	230/460	18.4	88.5	18.72
	1760	DF132S	193111	607	B	150	230/460	19.8	89.5	18.72
	1180	DF132M	193112	863	B	180	230/460	22.0	89.5	20.29
10-7.5	3510	DF132S	193120	651	B	163	230/460	24.0	89.5	18.72
	1760	DF132M	193121	721	B	174	230/460	26.2	89.5	20.29
	1180	DF160M	193122	1120	C	251	230/460	27.2	89.5	23.64
15-11	3550	DF160M	193130	1053	C	260	230/460	34.4	91.0	23.64
	1760	DF160M	193131	1053	C	264	230/460	36.6	91.0	23.64
	1180	DF160L	193132	1438	C	330	230/460	38.8	90.2	25.39

#### THREE PHASE • IP55 • 1.15 S.F.

HP-KW	RPM 60 Hz	IEC Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
20-15	3550	DF160M	193140	\$1236	C	269	230/460	47.0	91.0	23.64
	1760	DF160L	193141	1301	C	311	230/460	47.6	91.7	25.41
	1180	DF180L	193142	2016	C	385	230/460	51.4	90.2	27.97
25-18.5	3550	DF160L	193150	1504	C	319	230/460	57.2	91.0	25.41
	1775	DF180M	193151	1654	C	381	230/460	59.4	92.4	26.40
	1180	DF200L	193152	2871	C	517	230/460	64.0	91.7	30.54
30-22	3550	DF180M	193160	1786	C	355	230/460	68.8	91.0	26.40
	1775	DF180L	193161	1860	C	427	230/460	71.0	93.0	27.97
	1180	DF200L	193162	2865	C	467	230/460	76.0	91.7	30.54
40-30	3550	DF200L	193170	2544	C	522	230/460	94.0	91.7	30.54
	1775	DF200L	193171	2738	C	531	230/460	94.0	93.0	30.54
	1180	DF225M	193172	4304	C	633	230/460	100.0	93.0	33.29
50-37	3550	DF200L	193180	3335	C	546	230/460	117.0	92.4	30.54
	1775	DF225S	193181	3799	C	632	230/460	118.0	93.0	32.31
	1180	DF250M	193182	6033	C	655	230/460	120.0	93.0	36.61

#### METRIC (IEC) B5 FLANGE KITS

Includes parts to convert these B3 rigid mount motors to a B5 flange mounting. See kits on page 71



#### METRIC (IEC) B14 FACE KITS

Includes parts to convert these B3 rigid mount motors to a B14 face mounting. See kits on page 72



#### REDUCED DIAMETER METRIC FLANGES

Imported OEM equipment can often have a flange face that is different from it's 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	List Price
63	56	175900	\$28
71	63	175901	32
80	71	175902	35
90	80	175903	37



12-lead Delta windings (160MD frame and larger)  
for across-the-line or wye-delta starts.

**SHADED FRAME INDICATES CAST IRON CONSTRUCTION**

See Page 196 for metric IEC Motor Dimensions  
Motovario Limited - sales@motovario.co.uk  
Catalog numbers in green are EPACT motors.

### B3/B5 FLANGE-MOUNTED METRIC MOTORS • 230/460V

Metric-dimensioned, AC motors meeting North American performance standards, including 1.15 service factor and EPACT efficiencies. Motors have both B5 flange mounting and B3 base.

Typically used for replacement on machine tools, textile machinery and other equipment with metric dimensions but requiring the heavy-duty torque and performance characteristics of motors designed for use in North America.

IP55 weatherproof enclosures, 60/50 Hz interchangeability (60Hz 230/460V & 50Hz 200/400V), dual stamped nameplates, CE mark, and F3 conduit box location. Kits are available for field conversion from B3 to B3/B5 or B3/B14.

Motors are available in one of two frame constructions: aluminum or cast iron. Aluminum frame models are designated with a 192000 series catalog number; cast iron models are 193000 series.



#### THREE PHASE • IP55 • 1.15 S.F.

HP-KW	RPM 60 Hz	IEC Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1/4-0.18	3430	D63D	192014	\$151	A	10	230/460	0.8	72.0	8.54
	1700	D63D	192015	156	A	11	230/460	1.0	68.0	8.54
	1120	D71D	192016	268	A	12	230/460	1.2	64.0	9.45
1/3-0.25	3430	D63D	192024	174	A	11	230/460	1.1	72.0	8.54
	1700	D71D	192025	180	A	13	230/460	1.4	68.0	9.45
	1130	D80D	192026	288	A	17	230/460	1.3	70.0	11.10
1/2-0.37	3410	D71D	192034	179	A	13	230/460	1.6	74.0	9.45
	1695	D71D	192035	186	A	14	230/460	1.8	74.0	9.45
	1130	D80D	192036	298	A	19	230/460	1.9	72.0	11.10
3/4-0.55	3400	D71D	192044	190	A	15	230/460	2.4	74.0	9.45
	1690	D80D	192045	202	A	18	230/460	2.5	74.0	11.10
	1130	D80D	192046	318	A	22	230/460	2.7	72.0	11.10
1-0.75	3390	D80D	192054	208	A	21	230/460	2.8	75.5	11.10
	1725	D80D	192055	218	A	26	230/460	3.2	80.0	11.10
	1150	D90SD	192056	333	B	35	230/460	3.3	80.0	12.60
1 1/2-1.1	3450	D80D	192064	238	A	30	230/460	4.0	81.0	11.10
	1740	D90SD	192065	242	B	37	230/460	4.6	85.5	12.60
2-1.5	3470	D90SD	192074	264	B	33	230/460	5.2	85.5	12.60
	1710	D90LD	192075	270	B	38	230/460	5.8	84.0	12.60
	1170	DF100LD	193076	419	B	82	230/460	6.4	84.0	14.96
3-2.2	3480	D90LD	192084	372	B	39	230/460	7.2	86.5	12.60
	1750	DF100LD	193085	406	B	84	230/460	8.2	87.5	14.96
	1200	DF112MD	193086	573	B	100	230/460	9.6	87.5	15.75
4-3	3495	DF100LD	193094	430	B	71	230/460	10.0	87.5	14.96
	1740	DF100LD	193095	437	B	84	230/460	10.4	85.5	14.96
	1180	DF132SD	193096	702	B	154	230/460	13.4	87.5	18.70
5 1/2-4	3520	DF112MD	193104	543	B	104	230/460	13.6	87.5	15.75
	1740	DF112MD	193105	526	B	104	230/460	15.0	87.5	15.75
	1180	DF132MD	193106	798	B	176	230/460	17.6	87.5	20.28
7 1/2-5.5	3525	DF132SD	193114	686	B	152	230/460	18.4	88.5	18.70
	1765	DF132SD	193115	686	B	150	230/460	19.8	89.5	18.70
	1175	DF132MD	193116	944	B	180	230/460	22.0	89.5	20.28
10-7.5	3510	DF132SD	193124	732	B	163	230/460	24.0	89.5	18.70
	1760	DF132MD	193125	802	B	174	230/460	26.2	89.5	20.28
	1175	DF160MD	193126	1274	C	251	230/460	27.2	89.5	23.62
15-11	3555	DF160MD	193134	1207	C	260	230/460	34.4	91.0	23.62
	1765	DF160MD	193135	1207	C	264	230/460	36.6	91.0	23.62
	1175	DF160LD	193136	1592	C	330	230/460	38.8	90.2	25.39

Note: Aluminum motors have removable feet for round-body applications.

**12-lead Delta windings (160MD frame and larger)  
for across-the-line or wye-delta starts.**

#### THREE PHASE • IP55 • 1.15 S.F.

HP-KW	RPM 60 Hz	IEC Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
20-15	3545	DF160MD	193144	\$1380	C	269	230/460	47.0	91.0	23.62
	1765	DF160LD	193145	1455	C	311	230/460	47.6	91.7	25.39
	1180	DF180LD	193146	2213	C	385	230/460	51.4	90.2	27.95
25-18.5	3550	DF160LD	193154	1659	C	319	230/460	57.2	91.0	25.39
	1775	DF180MD	193155	1851	C	381	230/460	59.4	92.4	26.38
30-22	3550	DF180MD	193164	1984	C	355	230/460	68.0	91.0	26.38
	1775	DF180LD	193165	2058	C	427	230/460	71.0	93.0	27.95

**B3 Foot-Mounted metric motors on page 70 can be converted to B3/B5 Flange Mount by installing B5 Flange Kits**

#### METRIC (IEC) B5 FLANGE KITS

Includes parts to convert a B3 rigid mount motor (page 70) to B5 flange mounting.



#### For Aluminum Frame Motors Only (192000 Series)

	63 Frame			71 Frame			80 Frame			90 Frame		
	List Price	Cat. No.	App. Wgt. (lbs.)	List Price	Cat. No.	App. Wgt. (lbs.)	List Price	Cat. No.	App. Wgt. (lbs.)	List Price	Cat. No.	App. Wgt. (lbs.)
(B5) Flange	\$34	175850	1	\$38	175852	1	\$42	175854	2	\$45	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		
	List Price	Cat. No.	App. Wgt. (lbs.)	List Price	Cat. No.	App. Wgt. (lbs.)	List Price	Cat. No.	App. Wgt. (lbs.)	List Price	Cat. No.	App. Wgt. (lbs.)	List Price	Cat. No.	App. Wgt. (lbs.)
(B5) Flange <sup>①</sup>	\$59	175882	13	\$64	175884	16	\$85	175886	20	\$161	175888	36	\$199	175890	43
(B5) Flange <sup>②</sup>	\$59	175984	13	\$64	175986	16	\$85	175988	20	\$161	175990	36	Use 175890		
(B5) Flange	200 Frame			225 Frame											
	List Price	Cat. No.	App. Wgt. (lbs.)	List Price	Cat. No.	App. Wgt. (lbs.)									
(B5) Flange <sup>①②</sup>	\$260	175994	58	\$333	175995	73									

<sup>①</sup> Use with F2-mount motors – date code April 2002 and earlier.

<sup>②</sup> Use with F3-mount motors – date code May 2002 and later.

**SHADED FRAME INDICATES CAST IRON CONSTRUCTION**



# AC METRIC (IEC) MOTORS

## THREE PHASE • RIGID BASE WITH FACE

### B3/B14 FACE-MOUNTED METRIC MOTORS • 230/460V

Metric-dimensioned, AC motors meeting North American performance standards, including 1.15 service factor and EPACT efficiencies. These motors have both B14 face mounting and B3 base.

Typically used for replacement on machine tools, textile machinery and other equipment with metric dimensions but requiring the heavy-duty torque and performance characteristics of motors designed for use in North America.

IP55 weatherproof enclosures, 60/50 Hz interchangeability (60Hz 230/460V & 50Hz 200/400V), dual stamped nameplates, CE mark, and F3 conduit box location. Kits are available for field conversion from B3 to B3/B5 or B3/B14.

Motors are available in one of two frame constructions: aluminum or cast iron. Aluminum frame models are designated with a 192000 series catalog number; cast iron models are 193000 series.



#### THREE PHASE • IP55 • 1.15 S.F.

HP-KW	RPM 60 Hz	IEC Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1/4-0.18	3425	D63C	192017	\$148	A	10	230/460	0.8	72.0	8.55
	1700	D63C	192018	153	A	11	230/460	1.0	68.0	8.55
	1100	D71C	192019	268	A	12	230/460	1.2	64.0	9.46
1/3-0.25	3425	D63C	192027	172	A	11	230/460	1.1	72.0	8.55
	1700	D71C	192028	175	A	13	230/460	1.4	68.0	9.46
	1100	D80C	192029	288	A	17	230/460	1.3	70.0	11.11
1/2-0.37	3425	D71C	192037	176	A	13	230/460	1.6	74.0	9.46
	1700	D71C	192038	183	A	14	230/460	1.8	74.0	9.46
	1100	D80C	192039	298	A	19	230/460	1.9	72.0	11.11
3/4-0.55	3425	D71C	192047	186	A	15	230/460	2.4	74.0	9.46
	1700	D80C	192048	198	A	18	230/460	2.5	74.0	11.11
	1100	D80C	192049	318	A	22	230/460	2.7	72.0	11.11
1-0.75	3425	D80C	192057	204	A	21	230/460	2.8	75.5	11.11
	1700	D80C	192058	214	A	26	230/460	3.2	80.0	11.11
	1100	D90SC	192059	333	B	35	230/460	3.3	80.0	12.60
1 1/2-1.1	3425	D80C	192067	233	A	27	230/460	4.0	84.0	11.11
	1700	D90SC	192068	237	B	37	230/460	4.6	85.5	12.61
2-1.5	3425	D90SC	192077	258	B	33	230/460	5.2	85.5	12.61
	1700	D90LC	192078	264	B	38	230/460	5.8	84.0	11.61
	1100	DF100LC	193079	419	B	82	230/460	6.4	84.0	14.97
3-2.2	3425	D90LC	192087	372	B	39	230/460	7.2	86.5	12.61
	1750	DF100LC	193088	406	B	84	230/460	8.2	87.5	14.97
	1140	DF112MC	193089	573	B	84	230/460	9.6	87.5	15.76
4-3	3510	DF100LC	193097	430	B	71	230/460	10.0	87.5	14.97
	1750	DF100LC	193098	437	B	84	230/460	10.4	85.5	14.97
	1180	DF132SC	193099	702	B	154	230/460	13.4	87.5	18.72
5 1/2-4	3510	DF112MC	193107	543	B	104	230/460	13.6	87.5	15.76
	1750	DF112MC	193108	526	B	104	230/460	15.0	87.5	15.76
	1180	DF132MC	193109	798	B	176	230/460	17.6	87.5	20.29
7 1/2-5.5	3510	DF132SC	193117	686	B	152	230/460	18.4	88.5	18.72
	1760	DF132SC	193118	686	B	150	230/460	19.8	89.5	18.72
	1180	DF132MC	193119	944	B	180	230/460	22.0	89.5	20.29
10-7.5	3510	DF132SC	193127	732	B	163	230/460	24.0	89.5	18.72
	1760	DF132MC	193128	802	B	174	230/460	26.2	89.5	20.29
	1180	DF160MC	193129	1274	C	251	230/460	27.2	89.5	23.64
15-11	3550	DF160MC	193137	1207	C	260	230/460	34.4	91.0	23.64
	1760	DF160MC	193138	1207	C	264	230/460	36.6	91.0	23.64
	1180	DF160LC	193139	1592	C	330	230/460	38.8	90.2	25.41

Note: Aluminum motors have removable feet for round-body applications.

**12-lead Delta windings (160MD frame and larger)  
for across-the-line or wye-delta starts.**

#### THREE PHASE • IP55 • 1.15 S.F.

HP-KW	RPM 60 Hz	IEC Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
20-15	3550	DF160MC	193147	\$1380	C	260	230/460	47.0	91.0	23.64
	1760	DF160LC	193148	1455	C	311	230/460	47.6	91.7	25.41
25-18.5	3550	DF160LC	193157	1659	C	319	230/460	57.2	91.0	25.41

**B3 Foot-Mounted metric motors on page 70 can be converted to B3/B14 Flange-Mount by installing B14 Face Kits**

#### METRIC (IEC) B14 FACE KITS

Includes parts to convert a B3 rigid mount motor (page 70) to B14 face mounting.



#### For Aluminum Frame Motors Only (192000 Series)

	63 Frame			71 Frame			80 Frame			90 Frame		
	List Price	Cat. No.	App. Wgt. (lbs.)	List Price	Cat. No.	App. Wgt. (lbs.)	List Price	Cat. No.	App. Wgt. (lbs.)	List Price	Cat. No.	App. Wgt. (lbs.)
(B14) Face	\$30	175851	1	\$34	175853	1	\$37	175855	1	\$41	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		
	List Price	Cat. No.	App. Wgt. (lbs.)	List Price	Cat. No.	App. Wgt. (lbs.)	List Price	Cat. No.	App. Wgt. (lbs.)	List Price	Cat. No.	App. Wgt. (lbs.)
(B14) Face <sup>①</sup>	\$55	175883	8	\$59	175885	8	\$80	175887	12	\$155	175889	25
(B14) Face <sup>②</sup>	\$55	175985	8	\$59	175987	8	\$80	175989	12	\$155	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.

#### QUICK REFERENCE

DC METRIC MOTORS	Page 77
50 HZ MOTORS	66
METRIC (IEC) MOTOR DIMENSIONS	196
METRIC (IEC) ENCLOSURE NOMENCLATURE	161

**SHADED FRAME INDICATES CAST IRON CONSTRUCTION**

Motovario Limited - sales@motovario.co.uk

Catalog numbers in green are EPACT motors.

**B3 FOOT-MOUNTED METRIC MOTORS • 575 VOLT**

Metric-dimensioned, AC motors meeting North American performance standards, including 1.15 service factor and EPACT efficiencies. For replacement use on machine tools, textile machinery and other equipment with metric dimensions but requiring the heavy-duty torque and performance characteristics of motors designed for use in North America.

IP55 weatherproof enclosures, stamped nameplates, CE mark, and F3 conduit box location. Kits are available for field conversion from B3 to B3/B5 or B3/B14. See page 65 for details.

Motors are available in one of two frame constructions: aluminum or cast iron. Aluminum frame models are designated with a 192000 series catalog number; cast iron models are 193000 series.



**THREE PHASE • IP55 • 1.15 S.F.**

HP-KW	RPM 60 Hz	IEC Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 575V	% F.L. Eff.	"C" Dim. (in.)
1/4-0.18	3425	D63	192088	\$131	A	10	575	0.3	72.0	8.54
	1700	D63	192089	137	A	11	575	0.4	68.0	8.54
1/3-0.25	3425	D63	192097	153	A	11	575	0.4	74.0	8.54
	1700	D71	192098	160	A	13	575	0.6	67.0	9.45
1/2-0.37	3425	D71	192106	164	A	13	575	0.7	74.0	9.45
	1700	D71	192107	167	A	14	575	0.7	74.0	9.45
3/4-0.56	3425	D71	192115	171	A	15	575	0.9	74.0	9.45
	1700	D80	192116	181	A	18	575	1.0	73.0	11.10
1-0.75	3425	D80	192124	194	A	21	575	1.1	75.5	11.10
	1700	D80	192125	197	A	26	575	1.4	82.5	11.10
1 1/2-1.1	3425	D80	192133	216	B	27	575	1.6	82.5	11.10
	1700	D90S	192134	221	B	37	575	1.8	84.0	12.60
2-1.5	3425	D90S	192142	230	B	33	575	2.1	84.0	12.60
	1700	D90L	192143	238	B	38	575	2.4	84.0	12.60
3-2.2	3425	D90L	192148	497	B	39	575	2.9	85.8	12.60
	1750	DF100L	193193	352	B	84	575	3.5	87.5	14.96
4-3	3510	DF100L	193199	376	B	71	575	4.0	87.5	14.96
	1750	DF100L	193200	383	B	84	575	4.2	87.5	14.96
5 1/2-4	3510	DF112M	193208	485	B	104	575	5.0	87.3	15.75
	1750	DF112M	193209	467	B	104	575	5.4	87.3	15.75
7 1/2-5.5	3510	DF132S	193217	607	B	152	575	7.2	88.5	18.70
	1760	DF132S	193218	607	B	150	575	7.9	89.5	18.70
10-7.5	3510	DF132S	193226	651	B	163	575	9.6	89.5	18.70
	1760	DF132M	193227	721	B	174	575	10.5	89.5	20.28
15-11	3550	DF160M	193235	1053	C	264	575	13.8	90.2	23.62
	1760	DF160M	193236	1053	C	264	575	14.6	91.0	23.62

**THREE PHASE • IP55 • 1.15 S.F.**

HP-KW	RPM 60 Hz	IEC Frame	Catalog Number	List Price	Disc. Sym.	App. Wgt. (lbs.)	Voltage	F.L. Amps 575V	% F.L. Eff.	"C" Dim. (in.)
20-15	3550	DF160M	193244	\$1236	C	269	575	18.8	90.2	23.62
	1760	DF160L	193245	1301	C	311	575	19.0	91.0	25.39
25-18.5	3550	DF160L	193253	1504	C	319	575	22.9	91.0	25.39
	1775	DF180M	193254	1654	C	381	575	23.8	92.4	26.38
30-22	3550	DF180M	193262	1786	C	355	575	27.5	91.0	26.38
	1775	DF180L	193263	1860	C	427	575	28.4	92.4	27.95
40-30	3550	DF200L	193271	2544	C	522	575	38.4	91.7	30.51
	1775	DF200L	193272	2738	C	531	575	37.6	93.0	30.51
50-37	3550	DF200L	193280	3335	C	546	575	46.8	92.4	30.51
	1775	DF225S	193281	3799	C	632	575	47.2	93.0	33.26

**METRIC (IEC) B5 FLANGE KITS**

Includes parts to convert these B3 rigid mount motors to a B5 flange mounting. See kits on page 71



**METRIC (IEC) B14 FACE KITS**

Includes parts to convert these B3 rigid mount motors to a B14 face mounting. See kits on page 72



**REDUCED DIAMETER METRIC FLANGES**

Imported OEM equipment can often have a flange face that is different from it's 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	List Price
63	56	175900	\$28
71	63	175901	32
80	71	175902	35
90	80	175903	37



12-lead Delta windings (160MD frame and larger)  
for across-the-line or wye-delta starts.

**SHADED FRAME INDICATES CAST IRON CONSTRUCTION**

See Page 196 for metric IEC Motor Dimensions