



AC & DC METRIC (IEC) MOTORS RIGID BASE WITH FLANGE



OHIO GEAR™

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.



DC METRIC (IEC) FRAME MOTORS IP54 • SCR RATED

General Specifications:

These metric dimensioned motors are built to IEC 34-1 electrical and mechanical standards.

The IEC 63 and smaller frames are stocked with an integral B5 flange. An optional B3 rigid base kit is available.



Electrical & Mechanical Features:

A terminal board is provided for connections. All fasteners are metric. Electrical and mechanical features are the same as listed for the NEMA frame motors on the opposite page. Tachometer mounting kits are available—please contact LEESON for data.

THREE PHASE • IP55 • 1.15 S.F.

HP-KW	RPM 60 Hz	IEC Frame	Catalog Number	App. Wgt. (lbs.)	Voltage	F.L. Amps 230V	% F.L. Eff.	"C" Dim. (Inches)
1/4-0.18	1700	D63D	192015	11	230/460	1.0	68.0	8.54
1/3-0.25	1700	D71D	192025	13	230/460	1.4	68.0	9.45
1/2-0.37	1695	D71D	192035	14	230/460	1.8	74.0	9.45
3/4-0.55	1690	D80D	192045	18	230/460	2.5	74.0	11.10
1-0.75	1725	D80D	192055	26	230/460	3.2	80.0	11.10
1 1/2-1.1	1740	D90SD	192065	37	230/460	4.6	85.5	12.60
2-1.5	1710	D90LD	192075	38	230/460	5.8	84.0	12.60

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.



TOTALLY ENCLOSED • SCR RATED 180 VOLTS• WITH B5 FLANGE

KW/HP	Full Load RPM	IEC Frame	Catalog Number	App. Wgt. (lbs.)	F.L. Amps DC	"C" Dim. Inches (mm)
0.06/1/12	1800	56	M1130146●	8	0.5	6.24 (158.6)
0.09/1/8	1800	56	M1130147●	10	0.7	7.55 (191.7)
0.12/1/6	1800	63	M1130148●	7	0.9	8.30 (210.8)
0.18/1/4	1800	63	M1130149	13	1.3	9.50 (241.3)

● These motors are totally enclosed, non-ventilated. Other ratings utilize IC41 cooling—external cooling fan on motor shaft.