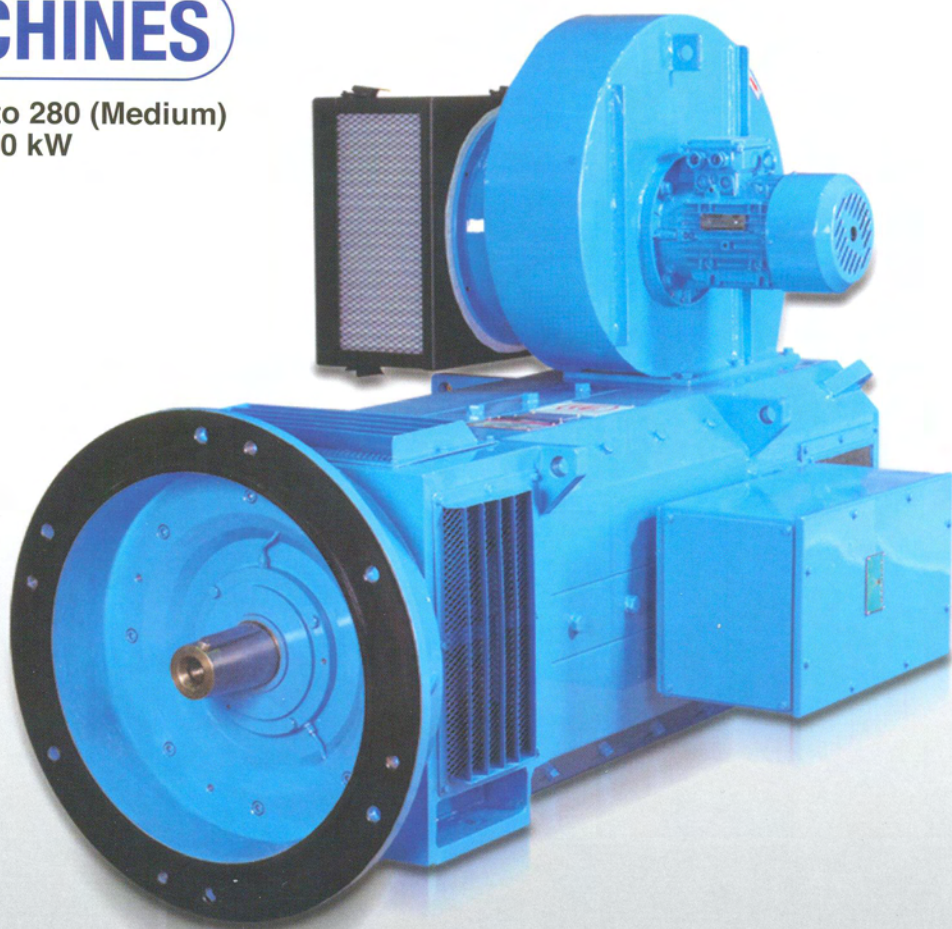




## DC MACHINES

IEC FRAMES 180 to 280 (Medium)  
70 to 480 kW



**INTEGRATED ELECTRIC COMPANY PVT LTD**

Bengaluru, India



Established in 1982, Integrated Electric (IE) manufactures high quality electrical rotating machines and drives in a wide range and variety. Its product basket includes DC Motors between 0.37 and 2500kW, AC Motors between 0.12 and 630kW, AC Drives between 0.5 and 300kW, AC Generators between 7.5 and 320KVA and DC and AC Variable Speed Diesel Generator Sets.

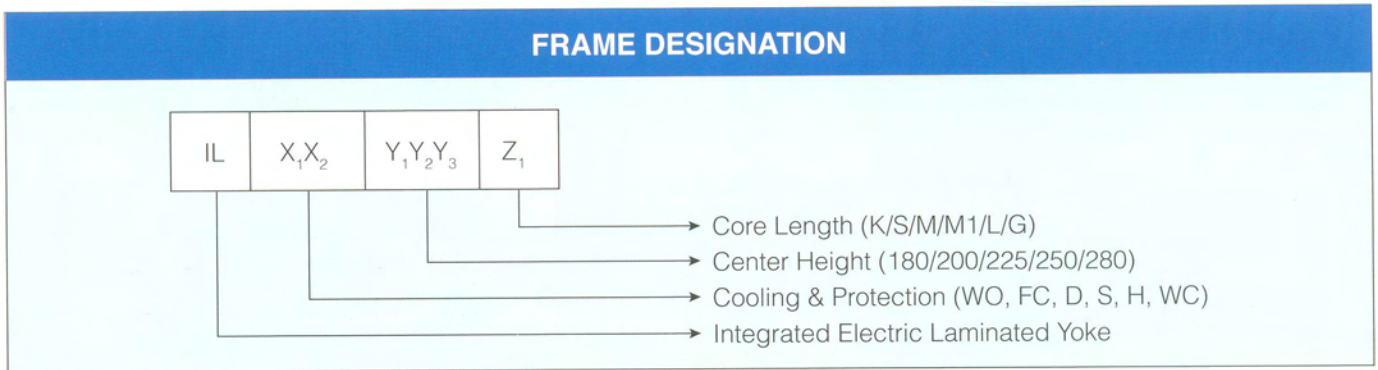
IE's medium motor range extends from 70kW to 480kW and is produced in IEC frame 180 to 280.

The motors are prime movers in a variety of variable Speed applications in Printing & Packaging Industries, Plastic Industries, Sugar Mills, Test Rigs, Cement Plants, Material Handling, Chemical & Synthetic Industries, Concast Equipment, Paper Mills, Tube Mills, Wire Rod Mills, Process Lines for Cold Rolled Sheets, Hot Strip Mill Auxiliaries, Sponge Iron Plants, Cold Rolling Mills, Hot Strip Mills, Cable Wire Drawing Equipment, Tyre Machines and Machine Tools.

**Salient features include:**

- Laminated Yoke Construction
- Conform to BS5000, IS4722 & IEC60034 standards
- Class H insulation scheme with temperature rise restricted to Class F
- dl/dt capacity is 200 times the rated current
- Sparkless commutation in all standard designs
- Special compensated designs for demanding applications like flying shear & sugar centrifuge.
- Vacuum pressure impregnation for high reliability

There is a dedicated manufacturing facility available for the manufacture of these machines. Commutators, Coil Winding and Body Machining activities are all performed in-house. The company has been ISO 9001 certified since 1998 and spares no effort to ensure that a high level of Quality is maintained. The process of continuous Improvement permeates throughout the organization and results in our delivering better value to the customer year after year.



**FRAME DESIGNATION**

<b>WO</b> Internal Fan Cooled	<b>FC</b> Force Cooled	<b>D</b> Duct Ventilated	<b>D</b> Duct Ventilated	<b>S</b> Surface Cooled	<b>H</b> Air to Air Heat Exchanger	<b>WC</b> Air to Water Heat Exchanger
Open Type	Open Type	Open Type	Totally Enclosed	Totally Enclosed	Totally Enclosed	Totally Enclosed
IP23/IC01	IP23/IC06	IP23/IC17	IP55/IC37	IP55/IC0041	IP55/IC0666	IP55/ICW37A86

**FRAME DESIGNATION**

<b>B3</b> Foot Mounting	<b>B5</b> Flange Mounted	<b>B35</b> Foot Flange	<b>V1</b> Vertical Shaft Down

Altitude Temp °C	≤1000m	1000-1500m	>1500m
	25	1.1	1.06
30	1.06	1.03	1
35	1.03	1	0.95
40	1	0.95	0.9
45	0.95	0.9	0.85
50	0.9	0.85	0.8
55	0.85	0.8	0.77
60	0.8	0.77	0.73