

## Inverter duty motors



### Features

- Winding design takes care of excess heat generated
- Suitable for Speed up to 9000 rpm
- Forced cooling on request
- Motors are with a S.F. 1.15
- Rotors balanced with an accuracy of 1 gm

### Synchronous Speed 3000 RPM

Frame Size	Mains Output 50 Hz in kW	Variable Torque 50-25 HZ in kW	Const Torque 50-25 HZ in kW	Const Torque 50-16.7 Hz in kW	Const Torque 50-10 HZ in kW	kW
80	0.75	0.8	0.8	0.7	0.6	0.75
90s	1.1	1.2	1.1	1.0	0.9	1.1`
90L	1.5	1.6	1.6	1.4	1.2	1.5
100L	2.2	2.4	2.3	2.1	1.8	2.0
112M	3.7	3.0	3.8	3.0	2.8	3.7
132S	5.5	5.9	5.7	5.1	4.6	5.5
132M	7.5	8.1	7.8	7.0	6.2	7.5
160M	11.0	11.0	10.7	9.6	8.5	11.0
160L	15.0	15.0	14.6	13.1	11.6	11.0

## Synchronous Speed 1500 RPM

Frame Size	Mains Output 50 Hz in kW	Variable Torque 50-25 HZ in kW	Const Torque 50-25 HZ in kW	Const Torque 50-16.7 Hz in kW	Const Torque 50-10 HZ in kW	kW
80	0.75	0.8	0.8	0.7	0.6	0.75
90s	1.1	1.2	1.1	1.0	0.9	1.1`
90L	1.5	1.6	1.5	1.4	1.2	1.5
100L	2.2	2.4	2.2	2.0	1.3	2.2
112M	3.7	3.5	3.0	3.0	2.8	3.7
132S	5.5	5.9	5.5	5.0	4.4	5.5
132M	7.5	8.0	7.5	6.8	6.0	7.5
160M	11.0	11.0	10.7	9.6	8.5	11.0
160L	15.0	15.0	14.6	13.1	11.6	15.0

### Motors for VFD drives

We offer the entire range of motors to run with vfd

- ▶ Constant torque applications like crane, hoist, compressors, auto cones, winding m/c, printing m/c etc
- ▶ Variable torque applications like centrifugal pump , fan, blowers etc
- ▶ Entire textile applications.
- ▶ Motors for constant torque application suitable for speed range of 1:10,1:5,1:2,etc can be provided. Depending upon the speed range motors can be offered with forced cooling (IC 416). Forced cooling arrangement is available from 71 frame onwards. ,
- ▶ Insulated Bearing on request
- ▶ Encoder mounting on NDE on request