

# PRODUCTS

## Siemens Motors :

### T.E.F.C. SQUIRREL CAGE A.C. INDUCTION MOTORS (SIEMENS)

1. **Frame Size 63 - 132 M**
2. **Frame Size 160 - 355 L**

#### Frame : 63 - 132 M

- ◆ **RANGE :**  
The motors are available from frame size 63 to 132M in 2 & 4 pole, 71 to 132 M frame in 6 pole and 90S to 132M frame in 8 pole design.
- ◆ **VOLTAGE & FREQUENCY :**  
Motors are suitable for 400 V  $\pm 10\%$ , 50 Hz  $\pm 5\%$ , 3 phase A.C. supply.
- ◆ **AMBIENT TEMPERATURE :**  
All motors in normal design are suitable for an ambient temperature range between  $-20^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ .
- ◆ **OUTPUT :**  
The rated output is for continuous duty as per DIN EN 60034-1 at 50 Hz frequency, ambient temperature  $40^{\circ}\text{C}$  and altitude 1000m. Rated output can be increased by 15% at 60 Hz.
- ◆ **INSULATION :**  
The motors are with class 'F' insulation utilised to class 'B' limits at rated output and rated voltage. By utilising to class 'F' limits, and at rated voltage, the ambient temperature can go upto  $55^{\circ}\text{C}$  or the output can be increased by approximately 10%.
- ◆ **STANDARDS :**  
The motors comply with all the relevant standards and specifications, in particular the following.

Title	DIN	IEC	Equivalent IS
General requirements for rotating electrical machines	DIN EN 600034-1	IEC 34-1 IEC 85	IS 4722
Fixing dimensions and assignment of rated outputs with IMB3 construction (foot mounted)	DIN 42673	IEC 72 (dimensions only)	IS 1231
Fixing dimensions and assignment of rated outputs with IMV1, IMB5, IMB10 and IMB14 construction (flange mounted)	DIN 42677	IEC 72 (dimensions only)	IS 2223 (dimensions only)
Types of construction of rotating electrical machines	DIN EN 60034-7	IEC 34-7	IS 2253
Degree of protection by enclosures for rotating electrical machinery	DIN EN 60034-5	IEC 34-5	IS 4691
IEC standard voltages	DIN IEC 38	IEC 38	

#### SIEMENS MOTORS : PRODUCT SPECIFICATIONS & STANDARDS

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