



KIRLOSKAR ELECTRIC

Committed to Innovation and Excellence

INVERTER DUTY SPECTRUM & MEGAPACK V SERIES



Product Line of Kirloskar Electric

AC & DC Motors | Generators | Transformers | Switchgear | Drives | DG Sets | Projects | Engineering

ISO 9001:2008



**BUREAU
VERITAS**

INVERTER DUTY SPECTRUM & MEGAPACK V SERIES



The increasing significance of power saving, environmental requirements, the desire for smaller dimensions & stipulations made by national & international markets lead to the development of Spectrum & Megapack V series motors. These motors are compact, reliable, robust & embody the unrivaled experience of Kirloskar Electric in field of motor technology.

SIGNIFICANCE OF INVERTER DUTY MOTORS

- Variable speed requirements – to save energy or process requirement.
- To avoid high in-rush current during starting. (6 to 7.2 times full load amps in case of direct on line starting).
- High starting torque can be achieved in VFD motors, & hence can replace the slip-ring motors & DC Motors, including large mill duty motor at steel mill. This makes the motor maintenance free.

STANDARDS	IS	IEC
• Rating & Performance	325	60034-1
• Output & Dimension	1231	60072-1& 2
• Degrees of protection	4691	60034-5
• Method of Cooling	6362	60034-6
• Construction & mounting	2253	60034-7
• Noise Level	12065	60034-9
• Vibration Level	12075	60034-14
• Terminal marking	4728	60034-8
• Testing	4029	60034-2

WIDE VARIETIES

- Totally enclosed fan cooled motors (IP55 / IC 411)
- Blower cooled motors (IP55/IC 416)
- Totally enclosed non ventilated motors (IP55/IC 410)
- Blower cooled open type motors (IP23/IC 06)
- Water cooled (IP55/ICW86)
- CACA (IP55/IC611or IC616)

SPECIALITIES

- Encoder mounting facility to get feed back on speed.
- Class F/H insulation for LV & Class F for HV shall be offered with VPI.
- Insulated end brackets are provided to arrest bearing current.
- On request insulated bearing shall be offered.
- Grounding brush shall be provided for large VFD motor.
- Enhanced insulation scheme suitable for VFD up to 5000 kW will be offered for both LV & HV motors.

PRODUCT RANGE

- Rating : 22 - 5000 kW
- Voltage : 380 - 6600V
- Frame : 315 - 710

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