

SL3 IE3 SQUIRREL CAGE MOTORS

S&L Squirrel Cage Cast Iron, Totally Enclosed Fan Cooled, IE3 Premium Efficiency, 3 Phase, 50Hz and S1 Duty electric motor. Motors have a Class H Insulation System with a Class B Temperature Rise, 20 Year Winding Design Life.

The motors offered are in accordance with MEPS IE3 Efficiency Standards under the VC9133 and IEC 60034-1 testing certification.



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HIGH EFFICIENCY IE3
 Lower energy consumption & reduced operating costs
- 
CLASS B TEMPERATURE RISE
 Cooler operation for maximum performance
- 
CLASS H INSULATION (180°C)
 Superior insulation system for longer life in harsh conditions
- 
1.15 SERVICE FACTOR
 Built for overload capability & demanding applications
- 
IP66 INGRESS PROTECTION
 Totally enclosed design
 Protection against dust, water jets & tough environments
- 
20 YEAR WINDING DESIGN LIFE
 Engineered for long term reliability
- 
SKF PREMIUM BEARINGS
 High quality SKF bearings for extended motor life and reliability
- 
5 YEAR WARRANTY
 Backed by S&L Africa quality assurance

IE3
PREMIUM EFFICIENCY

H
CLASS INSULATION

IP66
PROTECTION

SKF
BEARINGS

MEPS
VC9133
IEC 60034-1

BUILT FOR EXTREME MINING CONDITIONS

- ✓ **Full Cast Iron Construction**
Maximum durability & mechanical strength
- ✓ **VPI Vacuum Pressure Impregnation**
Superior insulation & moisture resistance
- ✓ **Fully Wedged Starters**
High vibration resistance for longer life
- ✓ **Gamma + Skeleton Seals**
Enhanced sealing system for IP66 protection
- ✓ **Tru-flush Grease Relief System**
From 11kW & above for safe & reliable operation
- ✓ **Thermistors – 3x PTC's (1x per phase)**
Continuous motor protection
- ✓ **2 Pack Epoxy Paint Protection**
Corrosion resistant finish for extended life
- ✓ **Final Colour – Green (RAL 6016)**
Standard S&L premium finish

TECHNICAL SPECIFICATIONS

Output Range	0.75 to 1000kW
Voltage	380V, 660V, 50Hz 400V, 690V, 50Hz / 440V, 60Hz
Frequency	50Hz (60Hz on request)
Duty	S1 Continuous Duty
Service Factor	1.15
Insulation Class	H (180°C)
Temperature Rise	Class B
Protection	IP66
Altitude	1000m a.s.l.
Ambient	-15°C – +40°C
Cooling	IC411 (TEFC)
Mounting	B3, B35, B14, B5
Direction of Rotation	CW or CCW
Terminal Box Position	Top
Standard	MEPS VC9133 IEC 60034-1

RUGGED. RELIABLE. READY.

S&L SL3 IE3 motors are built to deliver maximum uptime, lower total cost of ownership and superior performance in the toughest mining applications.



PUMPS



FANS



COMPRESSORS



CONVEYORS



CRUSHERS



MINING EQUIPMENT