

SLSF IE3

STEEL-FRAME

PREMIUM EFFICIENCY MOTOR

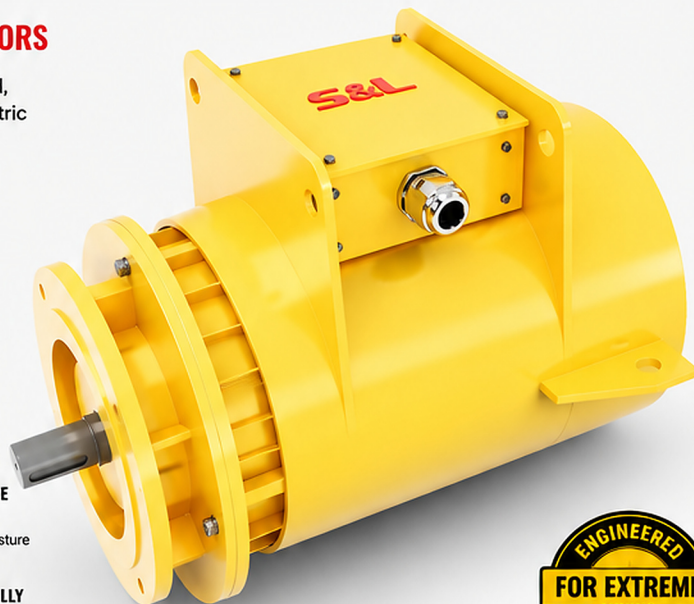
ENGINEERED FOR AGGRESSIVE MINING APPLICATIONS



SLSF IE3 FABRICATED STEEL-FRAME MOTORS

S&L Fabricated Steel Frame, Totally Enclosed Fan Cooled, IE3 Premium Efficiency, 3 Phase, 50 Hz and S1 Duty electric motor. Motors have a Class F 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 & SANS testing certification.



- IE3 PREMIUM EFFICIENCY**
Lower energy consumption & reduced operating costs
- F CLASS INSULATION (155°C)**
Superior insulation system for longer life in harsh conditions
- B CLASS TEMPERATURE RISE**
Cooler operation for maximum performance
- IP55 INGRESS PROTECTION**
Protection against dust, water jets & tough environments
- 1.0 SERVICE FACTOR**
Built for steady performance in demanding applications
- ALTITUDE 1000masl**
Designed to perform at high altitude
- AMBIENT -15 ~ 40 °C**
Reliable operation in extreme conditions
- VPI (VACUUM PRESSURE IMPREGNATION)**
Superior insulation & moisture resistance
- LAMINATION STEEL: FULLY PROCESSED SILICON STEEL**
Used on all motors (400°C)
- 20 YEAR WINDING DESIGN LIFE**
Engineered for long term reliability

IE3 PREMIUM EFFICIENCY	F CLASS INSULATION (155°C)	B CLASS TEMP RISE	IP55 PROTECTION	SKF PREMIUM BEARINGS	MEPS VC9133 IEC 60034-1 & SANS
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BUILT FOR EXTREME MINING CONDITIONS

- ✓ **Fabricated Quality Steel Construction**
Maximum durability & mechanical strength
- ✓ **Fan Cowl – Fabricated Steel**
Robust design for harsh environments
- ✓ **High quality SKF Brand Bearings**
Extended motor life & reduced maintenance
- ✓ **Direction of Rotation CW or CCW**
Flexible installation
- ✓ **B5 Mounting**
For direct drive applications
- ✓ **Top Terminal Box Position**
Ease of installation & cable management
- ✓ **2 Pack Epoxy Paint Protection**
Corrosion & chemical resistant finish
- ✓ **Final Colour – Yellow**
Premium S&L mining specification

TECHNICAL SPECIFICATIONS

Output Range	(Refer to catalogue)
Voltage	(Refer to catalogue)
Frequency	50Hz
Duty	S1 Continuous Duty
Service Factor	1.0
Insulation Class	F (155°C)
Temperature Rise	Class B
Protection	IP55
Altitude	1000m.a.s.l.
Ambient	-15°C ~ +40°C
Cooling	IC411 (TEFC)
Mounting	B5
Direction of Rotation	CW or CCW
Terminal Box Position	Top
Standard	MEPS VC9133 IEC 60034-1 & SANS

RUGGED. RELIABLE. READY.

S&L SLSF IE3 steel-frame motors are built tough to deliver maximum uptime, lower total cost of ownership and superior performance in the most demanding mining applications.

