



SLPAD IE3 PAD MOUNTED PREMIUM EFFICIENCY MOTOR

ENGINEERED FOR AGGRESSIVE
MINING APPLICATIONS



**PREMIUM
EFFICIENCY
IE3**



**HIGHER THERMAL
PERFORMANCE
CLASS H / CLASS B**



**IP66 PROTECTION
DUST & WATER
TIGHT**



**SKF PREMIUM
BEARINGS**



**RUGGED RELIABILITY
BUILT TO LAST**



**LONG SERVICE LIFE
LOWER TCO**

SLPAD IE3 PAD-MOUNTED MOTORS

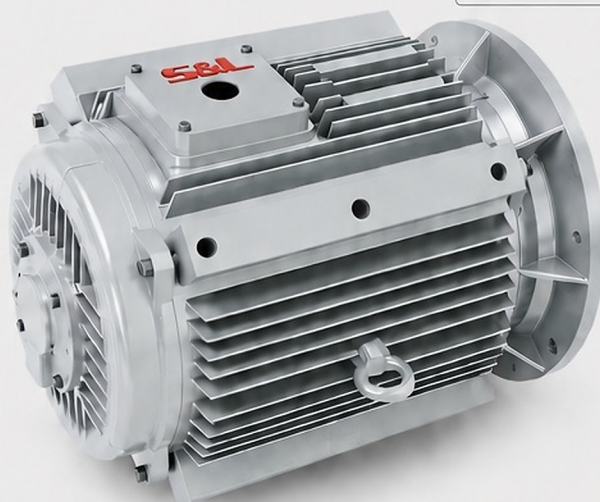
BUILT FOR HAZARDOUS & MINING ENVIRONMENTS

IEC 60079 | SANS 60079

Suitable for Surface &
Underground Applications

SLPAD Pad Mounted Motors are built for the most demanding mining environments. Designed for reliability, efficiency and extended service life, these totally enclosed air cooled IE3 motors deliver consistent performance where it matters most.

Constructed from premium cast iron and finished with superior corrosion protection, SLPAD motors are the ideal choice for harsh, dirty and high-vibration conditions above and underground.



IE3 PREMIUM EFFICIENCY
Lower energy consumption
& reduced operating costs



VPI IMPREGNATION
Vacuum pressure impregnated
for superior insulation &
moisture resistance



H CLASS INSULATION (180°C)
Superior insulation system for
longer life in harsh conditions



PREMIUM LAMINATION STEEL
High quality silicon steel
used on all motors (400°C)



B CLASS TEMPERATURE RISE
Cooler operation for
maximum performance



SKF SEALED BEARINGS
Extended bearing life for
reduced maintenance



IP66 PROTECTION
Totally enclosed, dust tight
& protected against powerful
water jets



RUGGED & RELIABLE
Full cast iron construction
for durability & long life



1.5 m FLY-LEADS
Enclosed in heavy-duty
sprag sleeve



MINING READY
Suitable for surface &
underground applications

**IE3
PREMIUM
EFFICIENCY**

**H
CLASS
INSULATION
(180°C)**

**B
CLASS
TEMP RISE**

**IP66
PROTECTION**

**SKF
PREMIUM
BEARINGS**

**MEPS
VC9133
IEC 60034-1
& SANS**

**SANS
60079
CERTIFIED**

TECHNICAL SPECIFICATIONS

Construction	SLPAD Range – Cast iron totally enclosed air cooled (TEFC)
Power supply	Three-Phase 400V / 525V / 550V / 575V / 690V* / 1000V* – 50Hz & 60Hz**
Speed	2, 4, 6 & 8 pole
Frame size	80 – 250
Design	IEC Standard (Non standard designs / Mountings are available on request)
Output power	4kW – 75kW
IP rating	IP66
Insulation	H-Class (180°C) Insulation
Temperature rise	Class B
Efficiency	IE3 Premium Efficiency Design
Bearings	High quality SKF sealed bearings
Mounting	B3 or B5
Direction of rotation	CW or CCW
Terminal box position	Top
Certification	MEPS VC9133, IEC 60034-1 & SANS

BUILT FOR EXTREME MINING CONDITIONS

- ✓ **Full Cast Iron Construction**
Maximum strength & mechanical durability
- ✓ **VPI (Vacuum Pressure Impregnation)**
Enhanced insulation & moisture resistance
- ✓ **High Quality Silicon Steel Laminations**
Lower losses, higher efficiency
- ✓ **Heavy-Duty Fly-Leads**
1.5 m leads in robust sprag sleeve
- ✓ **2 Pack Epoxy Paint Protection**
Superior corrosion & chemical resistance
- ✓ **Final Colour – GREY**
Standard S&L premium finish

TYPICAL MINING & GENERAL APPLICATIONS

	HVAC Ventilation, air handling & cooling systems.	
	REFRIGERATION Efficient and reliable cooling solutions.	
	AXIAL FANS Air movement & ventilation in harsh environments.	
	EXTRACTION Dust, fume & gas extraction applications.	

AVAILABLE ON REQUEST

- CLASS F Installation
- Special Mountings & Non Standard Designs
- Thermistors & Space Heaters

(*DOL Only / **On Request)



690 V OPERATION (VSD APPLICATIONS)

Motors operating at 690 V with a Variable Speed Drive (VSD) require a specialised insulation system to withstand increased voltage stresses and potential insulation breakdown.



BEARING PROTECTION (VSD DUTY)

For motors operating on VSDs, it is recommended that frame sizes 250 and above are fitted with either: **Insulated end-shield, or Insulated bearings at additional cost.**

This is to mitigate the risk of bearing damage caused by shaft voltages and induced currents (electrical fluting).

**POWERING AFRICA.
DRIVING PRODUCTIVITY.
DELIVERING SAFETY.**



**MAXIMUM EFFICIENCY
LOWER ENERGY COSTS**



**SUPERIOR PROTECTION
BUILT FOR HARSH
ENVIRONMENTS**



**LONG SERVICE LIFE
REDUCED DOWNTIME &
MAINTENANCE**



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