

POWERING PERFORMANCE. SAVING ENERGY.

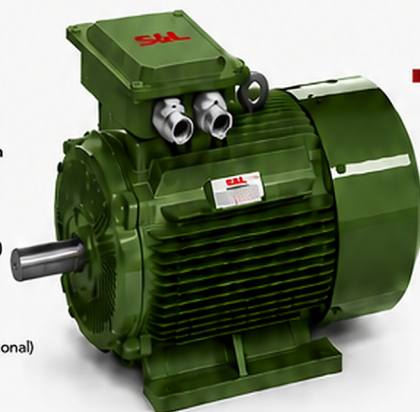
SL3 IE3 MOTOR + LS VSD DRIVE
THE SMART CHOICE FOR
AGGRESSIVE MINING APPLICATIONS



S&L AFRICA® – HIGH QUALITY PRODUCTS. MAXIMUM EFFICIENCY. LOWER COSTS.

SL3 IE3 CAST IRON PREMIUM EFFICIENCY & QUALITY MOTOR

-  High Efficiency IE3
Lower energy consumption
& reduced operating costs
-  Rugged Cast Iron Construction
Built for extreme mining
environments
-  IP66 Protection (IP55 Optional)
Dust & water tight design
for reliable operation
-  Class H Insulation (Class F Optional)
Longer insulation life for
extended service life
-  Low Vibration & Low Noise
Smooth operation & improved
equipment life



- Frame Size: H80 – H500
- Output Range: 0.75kW ~ 1000kW
- Voltage: 380V, 400V, 525V, 550V, 660V, 1000V, 50Hz / 440V, 60Hz
- Degree of Protection: IP66 (IP55 Optional)
- Cooling Type: IC411, IC416, IC410
- Ambient: -20°C ~ +40°C / -45°C ~ +40°C

LS VSD DRIVE INTELLIGENT CONTROL. MAXIMUM SAVINGS.



- Power Range:
H100: 5.5kW ~ 750kW
H100+: 5.5kW ~ 300kW
- Voltage:
H100: 400V
H100+: 525V
- Control Method: V/f, Sensorless Vector
- Protection: IP20 (Standard)
- Built-in EMC Filter (Optional)
- Communication: Modbus RS-485
- Conformal Coating as Standard

-  Optimised Energy Efficiency
Adjusts motor speed to
match load demand
-  Soft Start / Soft Stop
Reduces mechanical stress
& extends equipment life
-  Built-in Protection
Overcurrent, overvoltage,
overload, short circuit
& more
-  User Friendly Interface
Easy setup, monitoring
& parameter setting
-  Reliable & Compact Design
High performance with
space saving footprint

THE POWER OF COMBINATION



SL3 IE3 MOTOR

High efficiency
motors provide
superior output
with lower losses



LS VSD DRIVE

Intelligent speed
control matches
motor output to
actual demand



OPTIMISED SYSTEM

Smooth operation,
reduced stress,
improved process
control & reliability



ENERGY SAVINGS

Significant reduction
in energy consumption
& operational costs



LOWER COST SHORT PAYBACK

Fast payback on
investment through
substantial energy
& maintenance savings

TYPICAL ENERGY SAVINGS WITH LS VSD

Flow / Pump	20% – 50%
Fan / Blower	20% – 60%
Compressor	15% – 35%
Conveyor	10% – 30%

**SAVE ENERGY.
REDUCE COSTS.
IMPROVE PROFITS.**

MAXIMUM EFFICIENCY

IE3 efficiency motors
combined with VSD
superior maximum
energy savings.

LOWER ENERGY COSTS

Reduce electricity
consumption
significantly across
variable load
applications.

EXTENDED EQUIPMENT LIFE

Soft start, reduced
wear & optimized
operation extend
the life of your
equipment.

SHORT PAYBACK PERIOD

High efficiency &
energy savings
ensure a short
payback on your
investment.

SUPERIOR PROTECTION

Comprehensive
protection for both
motor & drive ensures
safe & reliable
operation.

LONG SERVICE LIFE

Rugged design
for harsh mining
environments for
many years of
reliable service.

IDEAL FOR MINING APPLICATIONS



PUMPS



FANS



COMPRESSORS



CONVEYORS



CRUSHERS



MIXERS

BUILT FOR AGGRESSIVE MINING ENVIRONMENTS

- ✓ Designed for continuous duty in harsh conditions
- ✓ Reduced maintenance & downtime
- ✓ Improved process control & productivity
- ✓ Sustainable & cost effective operation

**POWERING AFRICA.
DRIVING TOMORROW.**



MAXIMUM
EFFICIENCY



BUILT FOR
HARSH MINING
ENVIRONMENTS



LONG SERVICE LIFE
REDUCED DOWNTIME &
MAINTENANCE