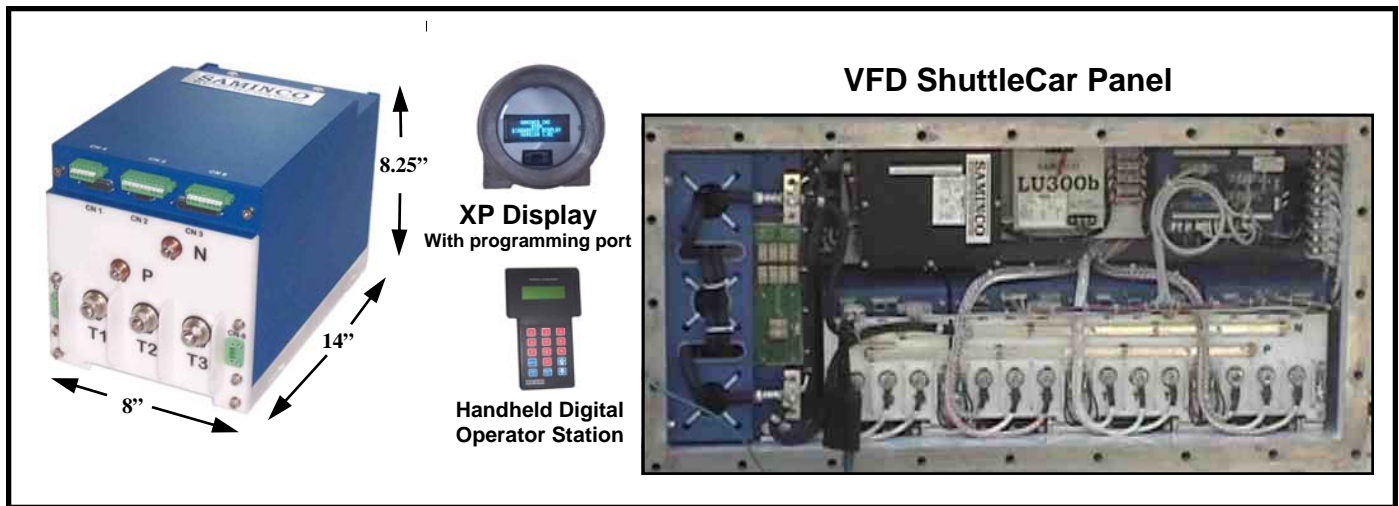


Mine Duty VFD
 (Variable Frequency Drive)
VF1-75
 75kW 480VAC



- Compact, 75KW DC/AC traction drive for continuous miners, shuttle cars and locomotives
- Input voltage: 550VDC (nominal)
- PWM Flux Vector inverter using the latest NPT (non-punch through) IGBT technology
- Flux Vector torque control provides differential traction control for superb cornering
- Rugged, short circuit proof power circuit provides excellent long term reliability
- Comprehensive display housed in XP headlight enclosure
- Multiple control options: standard analog foot switch, Radio Remote Control, Operator Station, PLC
- User-friendly parameter set up and diagnostics—same interface as A400, JD400, Q750 and Q800 drives

Specifications:

Input Voltage:	550VDC
Input Current at Full Load:	173A (400VAC)
Rated Output Current:	150A AC continuous, 200A for 60 seconds
Nominal Motor Rating:	75kW continuous ; Base Speed – 1500RPM to 3000RPM for 4 pole motor
Output Frequency:	0.1 to 200Hz
Control Modes:	Open loop V/Hz, closed loop V/Hz, closed loop Flux Vector
Starting Torque:	150% of Motor nominal rating below 1Hz, (with encoder)
Input Control:	0 to 5V analog; Digital operator; RS232 or RS485 Serial Link (Modbus Protocol)
Diagnostics:	-Alpha-numeric readout of main functions, operating parameters, and faults in plain English