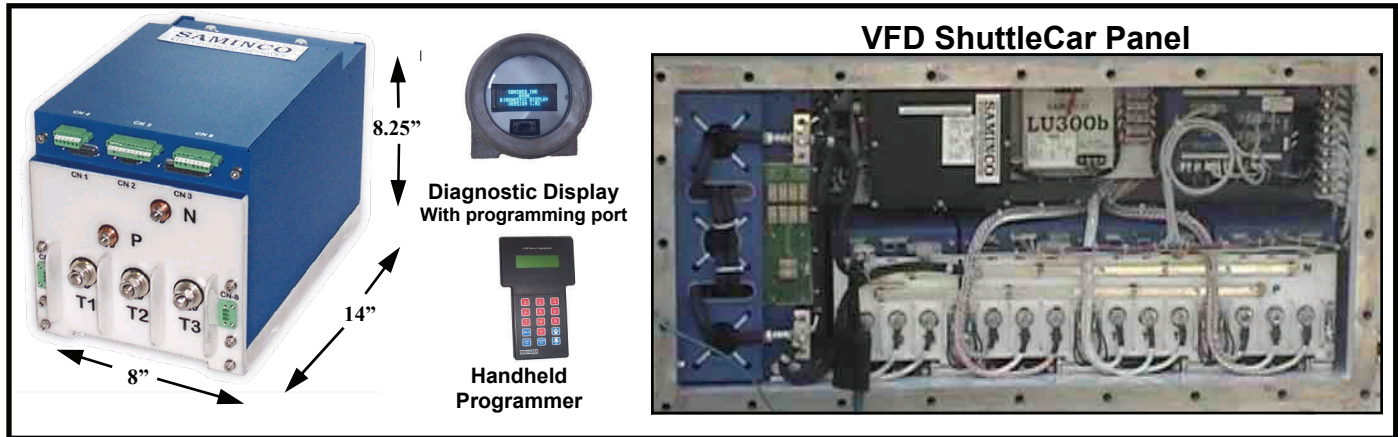


VF1-75 - Mine Duty VFD

(Variable Frequency Drive)
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 Supply:	550VDC (300VDC Control)
Output Voltage:	440VAC 3 phase, 0— 125Hz
Output Current:	135A AC Continuous, 250A AC peak 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:	200% 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

SAMINCO Part Numbers

VF1-75 Motor Controller :	A800374
Pre-Charge / Pump Start Inverter:	A800376
600VDC to 300VDC Down Chopper:	A800381
Master Control Module:	A800368