

## ForeSite EDGE Variable Speed Drive for Progressing Cavity Pumping (PCP)

## Specifications

Input Supply	
Three-phase voltage	230, 380, 480, or 600 Vac (-15%, +10%)
Three-phase frequency	50 to 60 Hz (±5%)
Single-phase voltage	230, 480 Vac (±10%)
Single-phase frequency	50 to 60 Hz (±5%)
Output Rating	
Voltage	0 to input voltage, three-phase
Frequency	0 to 400 Hz
Overload current	120% of rated output for 1 minute (normal duty)
	150% of rated output for 1 minute (heavy duty)
Technology	
Rectifier unit	6-diode, 3-phase (6-pulse) full-wave bridge
Inverter unit	6-IGBT, 4-quadrant, trap or sinewave output
Diode silicon-controlled rectifier	6-phase (12-pulse)
Operating temperature	-10 degC to 45 degC (14 degF to 113 degF)
Relative humidity	0% to 95%, non-condensing
Analog inputs	3 (0-10V *2, 4-20mA * 1)
Analog outputs	2 (-10 - +10V/0-10V/4-20mA)
Digital inputs	8
Digital outputs	2
Communications (MODBUS RS485)	MODBUS RTU RS485
<ul style="list-style-type: none"> <li>• UL listed</li> <li>• Enclosure Type 3R</li> <li>• Separate low- and high-voltage compartments</li> <li>• Supports optimal operator and environmental safety</li> <li>• Engineered for all weather conditions</li> </ul>	
Built-In Electronics Protection	
<ul style="list-style-type: none"> <li>• Analog input loss</li> <li>• External fault</li> <li>• Motor thermal protection</li> <li>• Underload</li> <li>• Motor phase loss</li> <li>• Communications fault</li> <li>• Overcurrent</li> <li>• Short circuit</li> </ul>	<ul style="list-style-type: none"> <li>• Drive overload</li> <li>• Undervoltage</li> <li>• Input phase loss</li> <li>• Ambient temperature</li> <li>• Drive overtemperature</li> <li>• Internal fault</li> <li>• Overspeed</li> <li>• Backspin Control</li> </ul>

