

POWER DISTRIBUTION PANEL

1

Perform load profiling and ensure harmonic compliance

**POWER & ENERGY LOGGER
MODEL PEL 113**

MOLDED CASE CIRCUIT BREAKER

2

Measure insulation resistance to qualify performance during overvoltage

**MEGOHMMETER
MODEL 5050**

3

Perform millivolt drop measurements across the line-to-load terminals to determine contact quality

**HARMONIC ANALYZER
MODEL OX5042B**

DRIVE OUTPUT

10

Visualize PWM waveform and measure pulse frequency, intensity, harmonics, and duty cycle for detecting distortion or irregularities

**OSCILLOSCOPE
MODEL OX 9304 IV**

MOTOR CABLE

11

Identify cables breaks and individual conductors

**CABLE VERIFICATION & TRACING ANALYZER
MODEL 6683**

ELECTRIC MOTOR

12

Measure coil insulation resistance quality and detect contamination or failures

**MEGOHMMETER
MODEL 6526**

13

Measure motor coil resistances

**MICRO-OHMMETER
MODEL 6240**

14

Non-contact measurement of shaft rotation speed

**TACHOMETER
MODEL C.A 1727**

15

Measure drive pulse width and duty cycle

**DIGITAL MULTIMETER
MODEL MTX 3291**

16

Non-contact diagnostics of bearing and winding conditions, cooling system performance and detecting splice issues

**THERMAL IMAGING
IR CAMERA
MODEL 1954**

DRIVE INPUT

4

Verify balanced power, harmonic content, and voltage quality

**POWERPAD® IV,
CLASS A,
MODEL 8345**

5

Capture inrush currents and log amperage

**CLAMP-ON
METER
MODEL 607**

FEEDER CONDUCTORS

6

Measure currents in hard-to-reach places

**DIGITAL FLEXPROBE®
MINIFLEX®
MODEL 4000D**

CONTROL WIRING

7

Test insulation resistance and verify continuity

**MEGOHMMETER
MODEL 6529**

CONTACTOR

8

Test coil resistances and measure voltages

**DIGITAL
MULTIMETER
MODEL 5217**

GROUND ROD

9

Measure grounding electrode conductor continuity and electrode resistance-to-ground with Fall-of-Potential

**GROUND RESISTANCE
TESTER MODEL 6424**

