



TYPICAL SUBMITTAL DATA

MODEL: 431PSL6224
BASE MODEL: 431PSL6224

Winding H-SG430628

5/27/2010

| Voltage at -pf | 1800 RPM | | 60 Hertz | | | 4 LEADS | | Dedicated single phase Dripproof or Open Enclosure | | |
|----------------|-----------------------|-------------------|----------------|---------------------------------|------------------------|---------------------|---------------------------------|---|---------------------|--|
| | Class B | | Class F | | | | | Class H | | |
| | 80° C ⊕ Continuous | 90° C ⊕ Lloyds | 95° C ⊕ ABS | 105° C ⊕ British Standard | 105° C ⊕ Continuous | 130° C ⊕ Standby | 125° C ⊕ British Standard | 125° C ⊕ Continuous | 150° C ⊕ Standby | |
| 240-1 | 130 (130) | 135 (135) | 135 (135) | 145 (145) | 145 (145) | 155 (155) | 155 (155) | 155 (155) | 165 (165) | |
| 240-.8 | 80 (100) | 85 (106) | 85 (106) | 90 (113) | 90 (113) | 100 (125) | 100 (125) | 100 (125) | 110 (138) | |

⊕ Rise by resistance method, Mil-Std-705, Method 680.1b.

⊕ British Standard Rating per BS 5000

Submittal Data: 240 Volts, 1800 RPM, 60 Hz, 1 Phase

| Mil-Std-705B | | | Mil-Std-705B | | |
|--------------|---|-------------|--------------|---|-----------|
| Method | Description | Value | Method | Description | Value |
| 301.1b | Insulation Resistance | >1.5 Meg | 505.3b | Overspeed | 2250 RPM |
| 302.1a | High Potential Test | | 601.4a | L-L Harmonic Maximum - Total (Distortion Factor) | 5.0% |
| | Main Stator | 1500 Volts | 601.4a | L-L Harmonic Maximum - Single | 5.0% |
| | Main Rotor | 1500 Volts | 601.1c | Deviation Factor | 6.0% |
| | Exciter Stator | 1500 Volts | -- | Type | MAGNAPLUS |
| | Exciter Rotor | 1500 Volts | -- | Insulation | Class H |
| 401.1a | Stator resistance - Line to Line | | -- | Coupling - Single Bearing | Flexible |
| | Dedicated connection | 0.0129 Ohms | -- | Amortisseur Windings | Full |
| | Rotor Resistance | 0.615 Ohms | -- | Exciter | Rotating |
| | Exciter Stator | 18 Ohms | -- | Voltage Regulator | SE350 |
| | Exciter Rotor | 0.105 Ohms | -- | Voltage Regulation | 1.00% |
| 410.1a | No Load Exciter Field Amps at 240 Volts Line to Line | 0.6 A DC | -- | Cooling Air Volume | 1100 CFM |

