| MOTORS | Pipeline Duty Data Sheet AC Squirrel Cage Induction Vertical Motors [112 kW (150 hp) to 3729 kW (5000 hp)] | Job No. P.O. No. User Location | Equip. No. Quantity Application Spec. No. | | | |
|---|--|--|--|------------------|--------------|--|
| | U.S. CUSTOMARY UNITS | Project Name | Project No. | | | |
| Submitted for: O Proposal O Purchase O As-Built Designed & built in accordance with NEMA MG1 Standard | | | | | | |
| Motor Type: Enclosure: O TE | Frame Size: | Motor Data: ■ Full Load Torque: | | | ft-lb. | |
| Power: O hp O kW RPM: Poles: | | Locked Rotor Torque | (LRT): | | % FLT | |
| Voltage: Hz: | | Pull-up Torque (PUT) |): | | % FLT | |
| Service Factor: 1.0 S.F. O S.F. (Above 1.0) | | Breakdown Torque (E | 3DT): | | % FLT | |
| -18°C to +40°C Ambient | | er) Motor Curves | Motor Curves: See Motor Data Package | | | |
| 1000 m Altitud | e O Altitude (Othe | er) Efficiency: | ■ Efficiency: 100% 75% 50% Other | | | |
| Area Classification: | | Guaranteed Efficience | y At Full Load: | Per IEEE | 112 Method B | |
| O Div. 2 / Zone 2 Cl. | Grps. T-Code / AIT / | °C ■ Power Factor: | 100% 75% | 50% | Other | |
| O Unclassified | | Current (A): | 100% 75% | 50% | Other | |
| Temperature Rise: | Class B O Other | Locked Rotor Current | t at 100% Voltage: | | | |
| | | Allowable Stall Time a | at 100% Voltage: | Sec (Cold) | Sec (Hot) | |
| Mechanical Features (A | Anti-Friction Bearings) | Allowable Stall Time a | at 80% Voltage: | Sec (Cold) | Sec (Hot) | |
| Direction Of Rotation (Vi | ewed From <u>ODE): O CC</u> W O CW O Du | al Rot. Sound Pressure Leve | el (No Load): | at 1 Meter | 、 、 | |
| Flange Mount: O P-Base O Other ■ Equivalent Circuit Data | | | | | | |
| Shaft Type: O Solid Shaft O HOLLOSHAFT® kVA at Rated Voltage @ 25°C | | | | | | |
| O Non-Reverse Ratche | Special Endplay Requiremen | nt At Rated Load at Rate | At Rated Load at Rated Voltage & Temperature: Stator R. Stator X. | | | |
| Motor Thrust Load (lbs): | Downthrust Up | othrust Rotor R ₂ | Rotor R ₂ Rotor X ₂ | | | |
| Rotor/Shaft: | | Magn R _M | Magn R _M Magn X _M | | | |
| 0 | Rotor Cage Construction | At Locked-rotor at Ra | At Locked-rotor at Rated Voltage (Zero Speed): | | | |
| O Shaft Run | out (Other) O API 610 Toleranc | ses Stator R ₁ | Stator R1 Stator X1 | | | |
| | | Rotor R ₂ | Rotor X ₂ | | | |
| Air Filters (Type & Size) | | Subtransient Reactan | $_{\text{magn}}$ | | | |
| Air Pressure Differential | Monitoring: | Fundamental Freq. C | component of Stray Load Lo | ss at Rated Curr | ent (LLS): | |
| O Provisions Only | O Air Pressure Differential Switch | | kW | | . , | |
| O Air Pressure Differen | tial Switch with Visual Gauge | Residual Voltage Ope | en Circuit Time Constant T" | do | | |
| Recommended Settings: | Alarm Shutdown | Motor Only | Sec. With Surge | Capacitors | Sec. | |
| Tomporatura Brotostia | _ | Phase-to-Phase Resi | istance Ohm | is, @ | °C | |
| O 100 Ohm Winding R | TDs (2/Phase) O Ott | her Bearing Data: | | u | | |
| Recommended Settings: | Alarm Shutdown | Bearing Description: | DE E | Brg. | ODE. Brg. | |
| O 100 Ohm Bearing RT | Ds (2/Bearing) O Ott | her Lubrication Description | on: | | | |
| Recommended Settings: | Alarm Shutdown | Recommended Lubric | cant: | | | |
| 11 | | ■ Lubricant Quantities: | DE E | Brg. | ODE Brg. | |
| O Frame Heaters | / Hz/V Type | Additional Requirement | ts And Notes: | | | |
| O Main Conduit Box Heater / Hz/V Type | | | | | | |
| O Oil Sump Heater | / Hz/V | | | | | |
| | | | | | | |
| Main Terminal Box | Main Conduit Roy Material (Othe | | | | | |
| 0 | Main Conduit Box Accessories | | | | | |
| | | | | | | |
| Vibration Protection | | | | | | |
| O Provisions | Qty. & Location | | | | | |
| O Vibration Detector(s) | Qty. & Location | [| | | | |
| Recommended Settings: Alarm Shutdown | | | | | | |
| | | | | | | |
| Tests | | | | | | |
| O N.W. Short Commercial & Vibration O Other | | | | | | |
| Rev. No. | e Description | | | Revision By | Approved By | |
| | | | | ITEVISION BY | Аррголеа ву | |
| | | | | | | |
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