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|---|------------|-----------------------------------|---------|--|-------------------------------|--------------------------|---------|------|----------|---------|----------|---|------------|---------|---------|----------|
|  | | INDUCTION MOTOR DATA SHEET | | | PROJECT No. 1518 | | | | | | | | | | | |
| | | | | | MODEL No. 24TEFCFEB | | | | | | | | | | | |
| | | | | | L-SPEC No. D1ML20605 | | | | | | | | | | | |
| SHEET 1 OF 1 | | CUSTOMER <input type="text"/> | | | | | | | | | | | | | | |
| FOR INFORMATION | | JOB NO. <input type="text"/> | | | ITEM No. <input type="text"/> | | | | | | | | | | | |
| SERVICE <input type="text"/> | | SITE <input type="text"/> | | | QUANTITY <input type="text"/> | | | | | | | | | | | |
| GENERAL DATA | | | | PERFORMANCE DATA | | | | | | | | | | | | |
| FRAME No. | | 280S | | OUTPUT | | 90 kW | | | | | | | | | | |
| TYPE | | TEFC | | POLES | | 6 P | | | | | | | | | | |
| ENCLOSURE | | TE | | ROTOR TYPE | | SQUIRREL CAGE | | | | | | | | | | |
| COOLING METHOD | | FC(IC411) | | STARTING METHOD | | DIRECT ON LINE | | | | | | | | | | |
| INSULATION CLASS | | F CLASS | | PHASE | | 3 PHASE | | | | | | | | | | |
| TEMP. RISE AT FULL LOAD | | | | FREQUENCY | | 60 Hz | | | | | | | | | | |
| RES. METHOD | | 80 K (at S.F.:1.0) | | SPEED (AT FULL LOAD) | | 1190 r/min | | | | | | | | | | |
| RATING | | S1 | | PRIMARY | | | | | | | | | | | | |
| LOCATION | | INDOOR | | VOLTAGE | | 380 V | | | | | | | | | | |
| ALTITUDE | | LESS THAN 1000 m | | NO LOAD CURRENT | | 67.3 A | | | | | | | | | | |
| HUMIDITY | | LESS THAN 80 % | | FULL LOAD CURRENT | | 173.4 A | | | | | | | | | | |
| AMBIENT TEMP. | | 40 °C | | LOCKED-ROTOR CURRENT | | 650 % | | | | | | | | | | |
| EXPLOSION PROOF TYPE | | N/A | | EFFICIENCY | | | | | | | | | | | | |
| MOUNTING | | B3 | | AT 1/2 LOAD | | 92.0 % | | | | | | | | | | |
| BEARING TYPE | | ANTI-FRICTION | | AT 3/4 LOAD | | 94.0 % | | | | | | | | | | |
| NDE/DE BRG. No. | | 6316C3 / 6319C3 | | AT FULL LOAD | | 95.0 % | | | | | | | | | | |
| BRG. LUBRICATION | | MOBIL Polyrex EM | | POWER FACTOR | | | | | | | | | | | | |
| PROTECTION GRADE | | IP55 | | AT 1/2 LOAD | | 68.0 % | | | | | | | | | | |
| SERVICE FACTOR | | 1.15 | | AT 3/4 LOAD | | 78.0 % | | | | | | | | | | |
| DRIVE | | DIRECT COUPLED | | AT FULL LOAD | | 83.0 % | | | | | | | | | | |
| SHAFT | | | | TORQUE | | | | | | | | | | | | |
| EXTENSION | | SINGLE | | FULL LOAD | | 73.7 kg-m | | | | | | | | | | |
| EXTERNAL THRUST | | N/A | | | | 723.0 N-m | | | | | | | | | | |
| NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR) | | | | LOCKED ROTOR | | 120 % | | | | | | | | | | |
| NO-LOAD | | N/A | | BREAKDOWN | | 190 % | | | | | | | | | | |
| VIBRATION | | N/A | | MOTOR GD ² | | 14.629 kg-m ² | | | | | | | | | | |
| NUMBER OF CONSECUTIVE STARTS | | N/A | | MAX LOAD GD ² AT MOTOR SHAFT | | 517.3 kg-m ² | | | | | | | | | | |
| ROTATION(VIEWED FROM DE) | | C.C.W | | MOTOR APPROX. WEIGHT | | 830 kg | | | | | | | | | | |
| | | | | PAINTING | | 0.5PB 3.2/4.4 (URETHANE) | | | | | | | | | | |
| ACCESSORIES (OPTIONAL) | | | | SUBMITTAL DRAWINGS | | | | | | | | | | | | |
| TEMPERATURE DETECTOR | | | | OUTLINE DIMENSION | | ES1AS51722 | | | | | | | | | | |
| WINDING | | NO | | CONDUIT BOX & COVER | | ES1B100806 | | | | | | | | | | |
| | | TYPE - | | SPEED-TORQUE & CURRENT CURVE | | D1ML20605 | | | | | | | | | | |
| BEARING | | NO | | THERMAL LIMIT & TIME-CURRENT CURVE | | D1ML20605 | | | | | | | | | | |
| | | TYPE - | | LOAD vs POWER FACTOR & EFFICIENCY | | D1ML20605 | | | | | | | | | | |
| SPACE HEATER | | NO | | <REMARKS> 1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE. 2. PREMIUM EFFICIENCY TYPE MOTOR | | | | | | | | | | | | |
| RATING | | - | | | | | | | | | | | | | | |
| APPLICATION STANDARDS | | IEC60034-1, ISO 3746 | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>REV. NO</td> <td>DATE</td> <td>PREPARED</td> <td>CHECKED</td> <td>APPROVED</td> </tr> <tr> <td>1</td> <td>2025-09-22</td> <td>S.U.LEE</td> <td>J.H.CHA</td> <td>Y.J.PARK</td> </tr> </table> | | | REV. NO | DATE | PREPARED | CHECKED | APPROVED | 1 | 2025-09-22 | S.U.LEE | J.H.CHA | Y.J.PARK |
| REV. NO | DATE | PREPARED | CHECKED | APPROVED | | | | | | | | | | | | |
| 1 | 2025-09-22 | S.U.LEE | J.H.CHA | Y.J.PARK | | | | | | | | | | | | |
| <NOTE> 1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLERANCE OF APPLICATION STANDARD. 2. EXCEPT FOR STATEMENTS SPECIFIED ON THIS SHEET, ANYTHING ELSE SHALL BE IN ACCORDANCE WITH MAKER STANDARD 3. THE TEMPERATURE MEASURED AT BEARING HOUSING DOES NOT EXCEED 105°C. | | | | | | | | | | | | | | | | |

Data are subject to change without notice.(설계 개선 및 제작 환경에 따라 사전 공지 없이 특성 사양치 변경될 수 있음)

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