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|  | | <h1 style="text-align: center;">INDUCTION MOTOR</h1> <h2 style="text-align: center;">DATA SHEET</h2> | | PROJECT No. P42-4160-201904-1163 | | | |
| | | | | HS No. 201904-6426_10000_003 | | | |
| | | | | L-SPEC No. DSML21318F003M | | | |
| SHEET 1 OF 1 | | CUSTOMER : | | | | | |
| FOR PROPOSAL | | JOB No. : N/A | | ITEM No. : | | | |
| SERVICE : N/A | | SITE : | | QUANTITY 1 SET | | | |
| GENERAL DATA | | | PERFORMANCE DATA | | | | |
| FRAME No. | 160M | | OUTPUT | 11 kW | | | |
| TYPE | TEFC | | POLES | 4 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 | 50 Hz | | | |
| RES. METHOD | 80 K (at S.F:1.0) | | SPEED (AT FULL LOAD) | 1470 r/min | | | |
| RATING | S1 | | PRIMARY | | | | |
| LOCATION | INDOOR | | VOLTAGE | 380 V | | | |
| ALTITUDE | LESS THAN 1000 m | | NO LOAD CURRENT | 12.4 A | | | |
| HUMIDITY | LESS THAN 80 % | | FULL LOAD CURRENT | 23.6 A | | | |
| AMBIENT TEMP. | 40 °C | | LOCKED-ROTOR CURRENT | 600 % | | | |
| EXPLOSION PROOF TYPE | N/A | | EFFICIENCY | | | | |
| MOUNTING | B3 | | AT 1/2 LOAD | 86.8 % | | | |
| BEARING TYPE | ANTI-FRICTION | | AT 3/4 LOAD | 88.8 % | | | |
| NDE/DE BRG. No. | 6309ZZ / 6309ZZ | | AT FULL LOAD | 89.8 % | | | |
| BRG. LUBRICATION | N/A | | POWER FACTOR | | | | |
| PROTECTION GRADE | IP55 | | AT 1/2 LOAD | 64.0 % | | | |
| SERVICE FACTOR | 1.0 | | AT 3/4 LOAD | 74.0 % | | | |
| DRIVE | DIRECT COUPLED | | AT FULL LOAD | 79.0 % | | | |
| SHAFT | | | TORQUE | | | | |
| EXTENSION | SINGLE | | FULL LOAD | 7.29 kg-m | | | |
| EXTERNAL THRUST | N/A | | | 71.5 N-m | | | |
| NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR) | | | LOCKED ROTOR | 170 % | | | |
| NO-LOAD | STANDARD | | BREAKDOWN | 220 % | | | |
| VIBRATION | 2.2 mm/s (r.m.s) | | MOTOR GD ² | 0.442 kg-m ² | | | |
| NUMBER OF CONSECUTIVE STARTS | COLD : 2 / HOT : 1 (4P) | | MAX LOAD GD ² AT MOTOR SHAFT | 27.6 kg-m ² | | | |
| ROTATION(VIEWED FROM DE) | C.C.W | | MOTOR APPROX. WEIGHT | 136 kg | | | |
| | | | PAINTING | 0.5PB 3.2/4.4 (ENAMEL) | | | |
| ACCESSORIES (OPTIONAL) | | | SUBMITTAL DRAWINGS | | | | |
| TEMPERATURE DETECTOR | | | OUTLINE DIMENSION | ES1AS33108 | | | |
| WINDING | NO | | CONDUIT BOX & COVER | ES1B100103 | | | |
| TYPE | N/A | | SPEED-TORQUE & CURRENT CURVE | 1STP42-4160-201904-1163 | | | |
| BEARING | NO | | THERMAL LIMIT & TIME-CURRENT | 1TLP42-4160-201904-1163 | | | |
| TYPE | N/A | | LOAD vs POWER & EFFICIENCY | 1PEP42-4160-201904-1163 | | | |
| SPACE HEATER | NO | | <div><REMARKS></div> <div>1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.</div> <div>2. HIGH EFFICIENCY TYPE MOTOR</div> | | | | |
| RATING | N/A | | | | | | |
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| APPLICATION STANDARDS | | | | | | | |
| IEC60034-1 | | | | | | | |
| <div>< NOTE > 1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLERANCE OF APPLICATION STANDARD.</div> <div>2. EXCEPT FOR STATEMENTS SPECIFIED ON THIS SHEET, ANYTHING ELSE SHALL BE IN ACCORDANCE WITH MAKER'S STANDARD.</div> <div>3. THE TEMPERATURE MEASURED AT BEARING HOUSING DOES NOT EXCEED 105</div> | | | 0 | 2019-05-10 | S.U.LEE | J.H.CHA | T.H.KIM |
| | | | REV. NO | DATE | PREPARED | CHECKED | APPROVED |