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|------------------------------------------------------------------------------------------------------------|--|-------------------------------|---------------------------------------------------|-----------------------------------------|--|
| <div>HYOSUNG</div> <div>HEAVY INDUSTRIES</div>                                                             |  | INDUCTION MOTOR<br>DATA SHEET |                                                   | PROJECT No. 1499                        |  |
|                                                                                                            |  |                               |                                                   | MODEL No. 24TEFCFEB                     |  |
|                                                                                                            |  |                               |                                                   | L-SPEC No. D1ML20834                    |  |
| SHEET 1 OF 1                                                                                               |  | CUSTOMER                      |                                                   |                                         |  |
| FOR INFORMATION                                                                                            |  | JOB NO.                       |                                                   | ITEM No.                                |  |
| SERVICE                                                                                                    |  | SITE                          |                                                   | QUANTITY                                |  |
| GENERAL DATA                                                                                               |  |                               | PERFORMANCE DATA                                  |                                         |  |
| FRAME No.                                                                                                  |  | 315S                          |                                                   | OUTPUT 150 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 60 Hz                                   |                                         |  |
| RES. METHOD                                                                                                |  | 80 K (at S.F:1.0)             |                                                   | SPEED (AT FULL LOAD) 1790 r/min         |  |
| RATING                                                                                                     |  | S1                            |                                                   | PRIMARY                                 |  |
| LOCATION                                                                                                   |  | INDOOR                        |                                                   | VOLTAGE 380 V                           |  |
| ALTITUDE                                                                                                   |  | LESS THAN 1000 m              |                                                   | NO LOAD CURRENT 88.2 A                  |  |
| HUMIDITY                                                                                                   |  | LESS THAN 80 %                |                                                   | FULL LOAD CURRENT 269.2 A               |  |
| AMBIENT TEMP.                                                                                              |  | 40 °C                         |                                                   | LOCKED-ROTOR CURRENT 750 %              |  |
| EXPLOSION PROOF TYPE                                                                                       |  | N/A                           |                                                   | EFFICIENCY                              |  |
| MOUNTING                                                                                                   |  | B3                            |                                                   | AT 1/2 LOAD 93.2 %                      |  |
| BEARING TYPE                                                                                               |  | ANTI-FRICTION                 |                                                   | AT 3/4 LOAD 95.2 %                      |  |
| NDE/DE BRG. No.                                                                                            |  | 6316C3 / 6222C3               |                                                   | AT FULL LOAD 96.2 %                     |  |
| BRG. LUBRICATION                                                                                           |  | MOBIL Polyrex EM              |                                                   | POWER FACTOR                            |  |
| PROTECTION GRADE                                                                                           |  | IP55                          |                                                   | AT 1/2 LOAD 73.0 %                      |  |
| SERVICE FACTOR                                                                                             |  | 1.15                          |                                                   | AT 3/4 LOAD 83.0 %                      |  |
| DRIVE                                                                                                      |  | DIRECT COUPLED                |                                                   | AT FULL LOAD 88.0 %                     |  |
| SHAFT                                                                                                      |  |                               | TORQUE                                            |                                         |  |
| EXTENSION                                                                                                  |  | SINGLE                        |                                                   | FULL LOAD 81.62 kg-m                    |  |
| EXTERNAL THRUST                                                                                            |  | N/A                           |                                                   | 800.7 N-m                               |  |
| NOISE LEVEL(MEAN VALUE AT 1m FROM MOTOR)                                                                   |  |                               | LOCKED ROTOR 100 %                                |                                         |  |
| NO-LOAD                                                                                                    |  | N/A                           |                                                   | BREAKDOWN 240 %                         |  |
| VIBRATION                                                                                                  |  | N/A                           |                                                   | MOTOR GD² 15.963 kg-m²                  |  |
| NUMBER OF CONSECUTIVE STARTS                                                                               |  | N/A                           |                                                   | MAX LOAD GD² AT MOTOR SHAFT 370.6 kg-m² |  |
| ROTATION(VIEWED FROM DE)                                                                                   |  | C.C.W                         |                                                   | MOTOR APPROX. WEIGHT 1100 kg            |  |
| ACCESSORIES (OPTIONAL)                                                                                     |  |                               | PAINTING 0.5PB 3.2/4.4 (URETHANE)                 |                                         |  |
| SUBMITTAL DRAWINGS                                                                                         |  |                               |                                                   |                                         |  |
| TEMPERATURE DETECTOR                                                                                       |  |                               | OUTLINE DIMENSION ES1AS51726                      |                                         |  |
| WINDING NO                                                                                                 |  |                               | CONDUIT BOX & COVER ES1B100806                    |                                         |  |
| TYPE -                                                                                                     |  |                               | SPEED-TORQUE & CURRENT CURVE D1ML20834            |                                         |  |
| BEARING NO                                                                                                 |  |                               | THERMAL LIMIT & TIME-CURRENT CURVE D1ML20834      |                                         |  |
| TYPE -                                                                                                     |  |                               | LOAD vs POWER FACTOR & EFFICIENCY D1ML20834       |                                         |  |
| SPACE HEATER NO                                                                                            |  |                               | <REMARKS>                                         |                                         |  |
| RATING -                                                                                                   |  |                               | 1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE. |                                         |  |
| APPLICATION STANDARDS IEC60034-1, ISO 3746                                                                 |  |                               | 2. PREMIUM EFFICIENCY TYPE MOTOR                  |                                         |  |
| <NOTE>                                                                                                     |  |                               |                                                   |                                         |  |
| 1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLERANCE OF APPLICATION STANDARD.       |  |                               | REV. NO                                           |                                         |  |
| 2. EXCEPT FOR STATEMENTS SPECIFIED ON THIS SHEET, ANYTHING ELSE SHALL BE IN ACCORDANCE WITH MAKER STANDARD |  |                               | DATE                                              |                                         |  |
| 3. THE TEMPERATURE MEASURED AT BEARING HOUSING DOES NOT EXCEED 105°C.                                      |  |                               | PREPARED                                          |                                         |  |
|                                                                                                            |  |                               | CHECKED                                           |                                         |  |
|                                                                                                            |  |                               | APPROVED                                          |                                         |  |
|                                                                                                            |  |                               | 1                                                 |                                         |  |
|                                                                                                            |  |                               | 2025-09-23                                        |                                         |  |
|                                                                                                            |  |                               | S.U.LEE                                           |                                         |  |
|                                                                                                            |  |                               | J.H.CHA                                           |                                         |  |
|                                                                                                            |  |                               | Y.J.PARK                                          |                                         |  |

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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