

| HIGEN | | INDUCTION MOTOR DATA SHEET | | 3.7 kW - 4 P | |
|---|--|---|---|--|---|
| MODEL: KMI-05HK1 | | CUSTOMER : | | REV. NO : | |
| APPLICATION: | | PROJECT NAME: | | QUANTITY : | |
| GENERAL DATA | | | PERFORMANCE DATA | | |
| FRAME NO. | | 112M | | OUTPUT 3.7 kW | |
| ENCLOSURE | <input type="checkbox"/> DRIP PROOF | | POLES 4 POLES | | |
| | <input checked="" type="checkbox"/> TOTALLY ENCLOSED | | ROTOR TYPE SQUIRREL CAGE | | |
| | <input type="checkbox"/> Increased Safety Exp.-proof | | <input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y- <input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F <input type="checkbox"/> SOFT-STARTER | | |
| PROTECTION | IP 44 | | STARTING METHOD | | |
| METHODS OF COOLING | <input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/> | | | | |
| FREQUENCY | 60 Hz | | RATED VOLTAGE 220 V 380 V V | | |
| PHASE | 3 PHASE | | CURRENT | | |
| SERVICE FACTOR | 1.15 | | NO LOAD 6.8 A 3.9 A A | | |
| INSULATION CLASS | F CLASS | | FULL LOAD 13.5 A 7.8 A A | | |
| TEMP. RISE AT FULL LOAD (at S.F 1.0) | | | STARTING 99.1 A 57.3 A A | | |
| RES. METHOD | | 105 | | EFFICIENCY | |
| THERMO. METHOD | | | | AT 1/2 LOAD % | |
| LOCATION | <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR | | AT 3/4 LOAD % | | |
| ALTITUDE | 1000 m | | AT FULL LOAD 84.0 % | | |
| HUMIDITY | 90 % | | POWER FACTOR | | |
| AMBIENT TEMPERATURE | -10~40 | | AT 1/2 LOAD % | | |
| RATING | <input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED | | AT 3/4 LOAD % | | |
| NEMA DESIGN | B | | AT FULL LOAD 78.0 % | | |
| MOUNTING | <input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5 | | SPEED (AT FULL LOAD) 1730 rpm | | |
| BEARING | TYPE | BALL | | TORQUE | |
| | DEW-DE | 6206ZZ/6205ZZ | | FULL LOAD 2.1 kg-m 100% | |
| | LUBRICANT | GREASE | | LOCKED ROTOR 3.6 kg-m 170% | |
| COUPLING METHOD | | <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT | | BREAKDOWN 4.2 kg-m 200% | |
| SHAFT | | | NOISE LEVEL 72.0 dB(A) | | |
| EXTENSION | | SINGLE | | VIBRATION 15.0 μ m | |
| EXTERNAL THRUST | | ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT | | | |
| TERMINAL BOX | | | (AT DIRECT ON-LINE) 15.3 kg-m ² | | |
| MAIN | | <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST | | Motor GD ² 0.0600 kg-m ² | |
| AUX. | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | MOTOR APPROX. WEIGHT 42.0 kg | |
| BOX LOCATION | | LEFT (Viewed from Drive end) | | PAINTING | MUNSELL NO. 7.1B4.0/0.9 |
| APPLICATION STANDARDS | | IEC, KS | | THICKNESS | <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μ m |
| ACCESSORIES (OPTIONAL) | | | SUBMITTAL DRAWINGS | | |
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| NOTE | | REMARKS | | | |
| 1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLERANCE OF APPLICATION STANDARDS. | | 1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE. | | | |
| 2. OTHERS NOT MENTIONED IN THIS SHEET SHALL BE IN ACCORDANCE WITH OTIS STANDARD. | | | | | |
| FC : FAN COOLED | SC : SELF COOLED | DATE | PREPARED | CHECKED | APPROVED |
| | | 2008.03.31 | M.S.PARK | J.H.JO | H.J.KIM |