

| HIGEN | | INDUCTION MOTOR DATA SHEET | | 7.5 HP - 2 P | |
|---|--|--|---|---|--|
| MODEL: KMI-08HK3 | | CUSTOMER : | | REV. NO : 0 | |
| APPLICATION: | | PROJECT NAME: | | QUANTITY : SETS | |
| GENERAL DATA | | | PERFORMANCE DATA | | |
| FRAME NO. | | 132S | | OUTPUT 5.5 kW 7.5 HP | |
| ENCLOSURE | | <input type="checkbox"/> DRIP PROOF | | POLES 2 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-△ | |
| PROTECTION | | IP 44 | | STARTING METHOD <input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F | |
| METHODS OF COOLING | | <input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/> | | <input type="checkbox"/> SOFT-STARTER | |
| FREQUENCY | | 60 Hz | | RATED VOLTAGE 220 V 380 V V | |
| PHASE | | 3 PHASE | | CURRENT | |
| SERVICE FACTOR | | 1.15 | | NO LOAD 5.0 A 2.9 A A | |
| INSULATION CLASS | | F CLASS | | FULL LOAD 20.6 A 11.9 A A | |
| TEMP. RISE AT FULL LOAD (at S.F 1.0) | | | | STARTING 133.8 A 77.2 A A | |
| RES. METHOD | | 105 °C | | EFFICIENCY | |
| THERMO. METHOD | | °C | | AT 1/2 LOAD % | |
| LOCATION | | <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR | | AT 3/4 LOAD % | |
| ALTITUDE | | 1000 m | | AT FULL LOAD 84.5 % | |
| HUMIDITY | | 80 % | | POWER FACTOR | |
| AMBIENT TEMPERATURE | | -10~40 °C | | AT 1/2 LOAD % | |
| RATING | | <input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED | | AT 3/4 LOAD % | |
| NEMA DESIGN | | B | | AT FULL LOAD 83.0 % | |
| MOUNTING | | <input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5 | | SPEED (AT FULL LOAD) 3530 rpm | |
| BEARING | | TYPE BALL | | TORQUE | |
| | | DEW-DE 6208ZZ / 6206ZZ | | FULL LOAD 1.5 kg-m 100% | |
| | | LUBRICANT GREASE | | LOCKED ROTOR 2.7 kg-m 180% | |
| COUPLING METHOD | | <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT | | BREAKDOWN 3.3 kg-m 220% | |
| SHAFT | | | | NOISE LEVEL 83.0 dB(A) | |
| EXTENSION | | SINGLE | | VIBRATION 25.0 μm | |
| EXTERNAL THRUST | | | | ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT | |
| TERMINAL BOX | | | | (AT DIRECT ON-LINE) 4.6 kg-m ² | |
| MAIN | | <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST | | Motor GD ² 0.1060 kg-m ² | |
| AUX. | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | MOTOR APPROX. WEIGHT 65.0 kg | |
| BOX LOCATION | | LEFT (Viewed from Drive end) | | PAINTING MUNSELL NO. 7.1 B 4.0/0.9 | |
| APPLICATION STANDARDS | | KS.IEC | | THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm | |
| ACCESSORIES (OPTIONAL) | | | SUBMITTAL DRAWINGS | | |
| TEMPERATURE DETECTOR | | | OUTLINE DIMENSION DW-H-132S-CA | | |
| WINDING | | | S-T CURVE ST-KMI-08HK3 | | |
| TYPE | | | TERMINAL BOX DIMENSION TB-3M95037 | | |
| BEARING | | | | | |
| TYPE | | | | | |
| SPACE HEATER | | | | | |
| RATING | | | | | |
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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 | | |
| | | | 2005-10-28 J.S.PARK J.S.PARK H.T.KIM | | |