

| HIGEN | | INDUCTION MOTOR DATA SHEET | | 5 HP - 2 P | |
|---|--|--|--|--|---|
| MODEL: KMI-05HK3F | | CUSTOMER : | | REV. NO : 0 | |
| APPLICATION: | | PROJECT NAME: | | QUANTITY : SETS | |
| GENERAL DATA | | | PERFORMANCE DATA | | |
| FRAME NO. | | FF215 | | OUTPUT 3.7 kW 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 | | STARTING METHOD <input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y- <input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F | | |
| PROTECTION | IP 44 | | SOFT-STARTER <input type="checkbox"/> | | |
| METHODS OF COOLING | <input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/> AO | | RATED VOLTAGE 220 V 380 V V | | |
| FREQUENCY | 60 Hz | | CURRENT | | |
| PHASE | 3 PHASE | | NO LOAD A A A | | |
| SERVICE FACTOR | 1.15 | | FULL LOAD 13.0 A 7.5 A A | | |
| INSULATION CLASS | F CLASS | | STARTING 118.2 A 68.4 A A | | |
| TEMP. RISE AT FULL LOAD (at S.F 1.0) | | | EFFICIENCY | | |
| RES. METHOD | | 100 | | AT 1/2 LOAD % | |
| THERMO. METHOD | | | | AT 3/4 LOAD % | |
| LOCATION | <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR | | AT FULL LOAD 84.0 % | | |
| ALTITUDE | 1000 m | | POWER FACTOR | | |
| HUMIDITY | 90 % | | AT 1/2 LOAD % | | |
| AMBIENT TEMPERATURE | -10~40 | | AT 3/4 LOAD % | | |
| RATING | <input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED | | AT FULL LOAD 89.0 % | | |
| NEMA DESIGN | B | | SPEED (AT FULL LOAD) 3520 rpm | | |
| MOUNTING | <input type="checkbox"/> B3 <input type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5 | | TORQUE | | |
| BEARING | TYPE | BALL | | FULL LOAD 1.0 kg-m 100% | |
| | DEW-DE | 6207ZZ/6205ZZ | | LOCKED ROTOR 1.6 kg-m 160% | |
| | LUBRICANT | | | BREAKDOWN 2.0 kg-m 200% | |
| COUPLING METHOD | | <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT | | NOISE LEVEL 80.0 dB(A) | |
| SHAFT | | EXTENSION SINGLE | | VIBRATION 30.0 μ m | |
| EXTERNAL THRUST | | | | ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT (AT DIRECT ON-LINE) 3.3 kg-m ² | |
| TERMINAL BOX | | MAIN <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST | | Motor GD ² 0.05700 kg-m ² | |
| AUX. | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | MOTOR APPROX. WEIGHT 44.0 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"/> μ m |
| ACCESSORIES (OPTIONAL) | | | SUBMITTAL DRAWINGS | | |
| TEMPERATURE DETECTOR | | | OUTLINE DIMENSION DW-V-112M-CA | | |
| WINDING | | | Main Terminal Box TB-3M95996 | | |
| TYPE | | | Speed Vs Torque, current Curve ST-KMI-05HK3F | | |
| 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-LG STANDARD. | | | | | |
| TE : TOTALLY ENCLOSED DP : DRIP PROOF | | | DATE | PREPARED | CHECKED |
| FC : FAN COOLED SC : SELF COOLED | | | 2005-11-09 | H.G.HAN | H.J.KIM |
| | | | | | APPROVED |
| | | | | | H.T.KIM |