

| HIGEN   |  | INDUCTION MOTOR<br>DATA SHEET  |   | 7.5 HP - 4 P   |   |          |          |
|---|--|--|---|--|---|----------|----------|
| MODEL: KMQ-08HK2L   |  | CUSTOMER :   |   | REV. NO :  |   |          |          |
| APPLICATION:  |  | PROJECT NAME:  |   | QUANTITY : SETS  |   |          |          |
| GENERAL DATA  |  |  | PERFORMANCE DATA                                  |  |   |          |          |
| FRAME NO.   |  | 132S   |   | OUTPUT 5.5 kW 7.5 HP   |   |          |          |
| ENCLOSURE   | <input checked="" type="checkbox"/> DRIP PROOF       |  | POLES   |  | 4 POLES   |          |          |
|   | <input 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-<br><input type="checkbox"/> REACTOR ( %TAP) <input type="checkbox"/> V.V.V.F<br><input type="checkbox"/> SOFT-STARTER |          |          |
| PROTECTION  |  | IP 22  |   |  |   |          |          |
| METHODS OF COOLING  |  | <input checked="" type="checkbox"/> SC <input type="checkbox"/> FC <input type="checkbox"/>                                  |   |  |   |          |          |
| FREQUENCY   |  | 60 Hz  |   | RATED VOLTAGE 220 V 380 V  |   |          |          |
| PHASE   |  | 3 PHASE  |   | CURRENT  |   |          |          |
| SERVICE FACTOR  |  | 1.15   |   | NO LOAD 10.5 A 6.1 A   |   |          |          |
| INSULATION CLASS  |  | F CLASS  |   | FULL LOAD 21.6 A 12.5 A  |   |          |          |
| TEMP. RISE AT FULL LOAD (at S.F 1.0)  |  |  |   | STARTING 137.8 A 79.6 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 85.5 %  |   |          |          |
| HUMIDITY  |  | 80 %   |   | 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) 1746 rpm  |   |          |          |
| BEARING   | TYPE   |  | BALL  |  | TORQUE  |          |          |
|   | DEW-DE   |  | 6208ZZ/6206ZZ                                     |  | FULL LOAD 3.1 kg-m 100%   |          |          |
|   | LUBRICANT  |  | GREASE  |  | LOCKED ROTOR 4.9 kg-m 160%  |          |          |
| COUPLING METHOD   |  | <input checked="" type="checkbox"/> DIRECT <input checked="" type="checkbox"/> V-BELT  |   | BREAKDOWN 6.1 kg-m 200%  |   |          |          |
| ROTATION(Facing Drive End)  |  | <input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW   |   | NOISE LEVEL 67.0 dB(A)   |   |          |          |
| SHAFT   |  |  |   | VIBRATION 30.0 μm  |   |          |          |
| EXTENSION   |  | SINGLE   |   | ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT                             |   |          |          |
| EXTERNAL THRUST   |  |  |   | (AT DIRECT ON-LINE) 18.9 kg-m <sup>2</sup>   |   |          |          |
| TERMINAL BOX  |  |  |   | Motor GD <sup>2</sup> 0.1060 kg-m <sup>2</sup>                                     |   |          |          |
| MAIN  |  | <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST                          |   | MOTOR APPROX. WEIGHT 43.0 kg   |   |          |          |
| AUX.  |  | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO  |   | PAINTING MUNSSELL NO. 7.1 B 4.0/0.9  |   |          |          |
| BOX LOCATION  |  | LEFT (Viewed from Drive end)   |   | THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm |   |          |          |
| APPLICATION STANDARDS   |  | KS.IEC   |   |  |   |          |          |
| ACCESSORIES (OPTIONAL)  |  |  | SUBMITTAL DRAWINGS                                |  |   |          |          |
|   |  |  | OUTLINE DIMENSION                                 |  |   |          |          |
|   |  |  | Speed Vs Torque, current Curve                    |  |   |          |          |
|   |  |  |   |  |   |          |          |
|   |  |  |   |  |   |          |          |
|   |  |  |   |  |   |          |          |
|   |  |  |   |  |   |          |          |
|   |  |  |   |  |   |          |          |
|   |  |  |   |  |   |          |          |
| 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.                      |  |  |   |  |   |          |          |
| TE : TOTALLY ENCLOSED   |  | DP : DRIP PROOF  |   | DATE   | PREPARED  | CHECKED  | APPROVED |
| FC : FAN COOLED   |  | SC : SELF COOLED   |   | 2006-04-19   | B.K.KIM   | J.S.PARK | H.T.KIM  |