

| HIGEN                                                                                                                                 |                                                        | INDUCTION MOTOR<br>DATA SHEET                                                 |                                                                           | 1/2 HP - 4 P                                                          |          |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------|----------|
| MODEL: KMI-400K2                                                                                                                      |                                                        | CUSTOMER :                                                                    |                                                                           | REV. NO : 0                                                           |          |
| APPLICATION:                                                                                                                          |                                                        | PROJECT NAME:                                                                 |                                                                           | QUANTITY : SETS                                                       |          |
| GENERAL DATA                                                                                                                          |                                                        |                                                                               | PERFORMANCE DATA                                                          |                                                                       |          |
| FRAME NO. 71                                                                                                                          |                                                        | OUTPUT 0.4 kW 1/2 HP                                                          |                                                                           |                                                                       |          |
| 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   | STARTING METHOD                                                               |                                                                           | <input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y- |          |
| PROTECTION IP 44                                                                                                                      |                                                        |                                                                               | <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 A A A                                          |                                                                               |                                                                           |                                                                       |          |
| INSULATION CLASS B CLASS                                                                                                              | FULL LOAD 2.28 A 1.32 A A                              |                                                                               |                                                                           |                                                                       |          |
| TEMP. RISE AT FULL LOAD (at S.F 1.0)                                                                                                  | STARTING 13.01 A 7.51 A A                              |                                                                               |                                                                           |                                                                       |          |
| RES. METHOD 80                                                                                                                        | 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 73.0 %                                    |                                                                               |                                                                           |                                                                       |          |
| 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 63.0 %                                    |                                                                               |                                                                           |                                                                       |          |
| MOUNTING <input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5 | SPEED (AT FULL LOAD) 1720 rpm                          |                                                                               |                                                                           |                                                                       |          |
| BEARING TYPE BALL                                                                                                                     | TORQUE                                                 |                                                                               |                                                                           |                                                                       |          |
| DEIN-DE 6202ZZ/6202ZZ                                                                                                                 | FULL LOAD 0.23 kg-m 100%                               |                                                                               |                                                                           |                                                                       |          |
| LUBRICANT -                                                                                                                           | LOCKED ROTOR 0.45 kg-m 200%                            |                                                                               |                                                                           |                                                                       |          |
| COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT                                            | BREAKDOWN 0.45 kg-m 200%                               |                                                                               |                                                                           |                                                                       |          |
| SHAFT                                                                                                                                 | NOISE LEVEL 61.0 dB(A)                                 |                                                                               |                                                                           |                                                                       |          |
| EXTENSION SINGLE                                                                                                                      | VIBRATION 30.0 $\mu$ m                                 |                                                                               |                                                                           |                                                                       |          |
| EXTERNAL THRUST                                                                                                                       | ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT |                                                                               |                                                                           |                                                                       |          |
| TERMINAL BOX                                                                                                                          | (AT DIRECT ON-LINE) 2.4 kg-m <sup>2</sup>              |                                                                               |                                                                           |                                                                       |          |
| MAIN <input type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST                                         | Motor GD <sup>2</sup> 0.00790 kg-m <sup>2</sup>        |                                                                               |                                                                           |                                                                       |          |
| AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                                              | MOTOR APPROX. WEIGHT 8.0 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"/> $\mu$ m |                                                                           |                                                                       |          |
| ACCESSORIES (OPTIONAL)                                                                                                                |                                                        |                                                                               | SUBMITTAL DRAWINGS                                                        |                                                                       |          |
| TEMPERATURE DETECTOR                                                                                                                  |                                                        |                                                                               | OUTLINE DIMENSION                                                         |                                                                       |          |
| WINDING                                                                                                                               |                                                        |                                                                               | Main terminal box                                                         |                                                                       |          |
| TYPE                                                                                                                                  |                                                        |                                                                               | Aux. Terminal box                                                         |                                                                       |          |
| BEARING                                                                                                                               |                                                        |                                                                               |                                                                           |                                                                       |          |
| TYPE                                                                                                                                  |                                                        |                                                                               |                                                                           |                                                                       |          |
| SPACE HEATER                                                                                                                          |                                                        |                                                                               |                                                                           |                                                                       |          |
| RATING                                                                                                                                |                                                        |                                                                               |                                                                           |                                                                       |          |
|                                                                                                                                       |                                                        |                                                                               |                                                                           |                                                                       |          |
|                                                                                                                                       |                                                        |                                                                               |                                                                           |                                                                       |          |
| 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                                                               | APPROVED |
| FC : FAN COOLED SC : SELF COOLED                                                                                                      |                                                        | 2005-08-29                                                                    | H.Y.WOO                                                                   | H.J.KIM                                                               | H.T.KIM  |