

| HIGEN   |  | INDUCTION MOTOR DATA SHEET   |   | 1/2 HP - 6 P          |   |
|---|--|--|---|-----------------------|---|
| MODEL: I400K8FGW  |  | CUSTOMER :   |   | REV. NO : 0           |   |
| APPLICATION:  |  | PROJECT NAME:  |   | QUANTITY : SETS       |   |
| GENERAL DATA  |  |  | PERFORMANCE DATA                                  |                       |   |
| FRAME NO.   |  | FF165  |   | OUTPUT 0.4 kW 1/2 HP  |   |
| ENCLOSURE   | <input type="checkbox"/> DRIP PROOF                  |  | POLES   |                       | 6 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-<br><input type="checkbox"/> REACTOR ( %TAP) <input type="checkbox"/> V.V.V.F<br><input type="checkbox"/> SOFT-STARTER |
| PROTECTION  |  | IP 55  |   | RATED VOLTAGE         |   |
| METHODS OF COOLING  |  | <input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>                                  |   | 220 V 380 V - V       |   |
| PHASE   |  | 3 PHASE  |   | FREQUENCY             |   |
| SERVICE FACTOR  |  | 1.0  |   | 60 Hz                 |   |
| INSULATION CLASS  |  | F CLASS  |   | CURRENT               |   |
| TEMP. RISE AT FULL LOAD (at S.F 1.0)  |  | NO LOAD  |   | - A - A - A           |   |
| RES. METHOD   |  | 105  |   | FULL LOAD             |   |
| THERMO. METHOD  |  |  |   | 8.6 A 5.0 A - A       |   |
| LOCATION  |  | <input checked="" type="checkbox"/> INDOOR <input checked="" type="checkbox"/> OUTDOOR                                       |   | EFFICIENCY            |   |
| ALTITUDE  |  | 1000 m   |   | AT 1/2 LOAD           |   |
| HUMIDITY  |  | 90 %   |   | AT 3/4 LOAD           |   |
| AMBIENT TEMPERATURE   |  | -10-40   |   | AT FULL LOAD          |   |
| RATING  |  | <input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED   |   | POWER FACTOR          |   |
| NEMA DESIGN   |  | B  |   | AT 1/2 LOAD           |   |
| MOUNTING  |  | <input type="checkbox"/> B3 <input type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5 |   | AT 3/4 LOAD           |   |
| BEARING   | TYPE   | BALL   |   | AT FULL LOAD          |   |
|   | DEW-DE   | 6204ZZ/6203ZZ  |   | SPEED (AT FULL LOAD)  |   |
|   | LUBRICANT  |  |   | TORQUE                |   |
| COUPLING METHOD   |  | <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT   |   | FULL LOAD             |   |
| ROTATION(Facing Drive End)  |  | <input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW   |   | LOCKED ROTOR          |   |
| SHAFT   |  | BREAKDOWN  |   | 0.6 kg-m 170%         |   |
| EXTENSION   |  | SINGLE   |   | NOISE LEVEL           |   |
| EXTERNAL THRUST   |  |  |   | VIBRATION             |   |
| TERMINAL BOX  |  | ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT   |   |                       |   |
| MAIN  |  | <input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" type="checkbox"/> CAST                          |   | (AT DIRECT ON-LINE)   |   |
| AUX.  |  | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO  |   | Motor GD <sup>2</sup> |   |
| BOX LOCATION  |  | LEFT (Viewed from Drive end)   |   | MOTOR APPROX. WEIGHT  |   |
| APPLICATION STANDARDS   |  | IEC, KS  |   | PAINTING              |   |
|   |  |  |   | MUNSELL NO.           |   |
|   |  |  |   | THICKNESS             |   |
| ACCESSORIES (OPTIONAL)  |  |  | SUBMITTAL DRAWINGS                                |                       |   |
| TEMPERATURE DETECTOR  |  |  | OUTLINE DIMENSION                                 |                       |   |
| WINDING   |  |  | SPEED VS TORQUE, CURRENT CURVE                    |                       |   |
| TYPE  |  |  |   |                       |   |
| 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 STANDARD.                      |  |  |   |                       |   |
| TE : TOTALLY ENCLOSED   |  | DP : DRIP PROOF  |   | DATE                  | PREPARED  |
| FC : FAN COOLED   |  | SC : SELF COOLED   |   | 2006.12.05            | H.G.HAN   |
|   |  |  |   | CHECKED               | APPROVED  |
|   |  |  |   | H.J.KIM               | H.T.KIM   |