



INDUCTION MOTOR DATA SHEET

30 HP - 2 P

| | | |
|-------------------|---------------|-----------------|
| MODEL: KMH-30HU3F | CUSTOMER : | REV. NO : |
| APPLICATION: | PROJECT NAME: | QUANTITY : SETS |

| GENERAL DATA | | | PERFORMANCE DATA | | | | | |
|--|--|-------------------|--|---|------------|-------------------|------|--------------|
| FRAME NO. | FF300 | | OUTPUT | 22 | kW | 30 | 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 type="checkbox"/> D.O.L <input checked="" type="checkbox"/> Y- | | | | |
| PROTECTION | IP 54 | | | <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 | | | | |
| PHASE | 3 PHASE | | RATED VOLTAGE | 380 | V | | | |
| SERVICE FACTOR | 1.15 | | FREQUENCY | 60 | Hz | | | |
| INSULATION CLASS | F CLASS | | CURRENT | | | | | |
| TEMP. RISE AT FULL LOAD (at S.F 1.0) | | | NO LOAD | 15.0 | A | | | |
| RES. METHOD 105 | | | FULL LOAD | 42.0 | A | | | |
| THERMO. METHOD | | | STARTING | 336.2 | A | | | |
| LOCATION | <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR | | EFFICIENCY | | | | | |
| ALTITUDE | 1000 m | | AT 1/2 LOAD | | | | | % |
| HUMIDITY | 80 % | | AT 3/4 LOAD | | | | | % |
| AMBIENT TEMPERATURE | -10-40 | | AT FULL LOAD | | 91.0 | | % | |
| 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 checked="" type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5 | | AT 3/4 LOAD | | | | | % |
| BEARING | TYPE | BALL | AT FULL LOAD | | 87.4 | | % | |
| | DEW-DE | 6312ZZC3 / 6309ZZ | SPEED (AT FULL LOAD) | | | | | 3550 rpm |
| | LUBRICANT | GREASE | TORQUE | | | | | |
| COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT | | | FULL LOAD | | 6.0 | kg-m | 100% | |
| ROTATION(Facing Drive End) <input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW | | | LOCKED ROTOR | | 12.1 | kg-m | 200% | |
| SHAFT | | | BREAKDOWN | | 13.3 | kg-m | 220% | |
| EXTENSION SINGLE | | | NOISE LEVEL | | | | | 90.0 dB(A) |
| EXTERNAL THRUST | | | VIBRATION | | | | | 25.0 μ m |
| TERMINAL BOX | | | ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT | | | | | |
| MAIN <input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" type="checkbox"/> CAST | | | (AT DIRECT ON-LINE) | | 14.3 | kg-m ² | | |
| AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | Motor GD ² | | 0.4285 | kg-m ² | | |
| BOX LOCATION TOP (Viewed from Drive end) | | | MOTOR APPROX. WEIGHT | | 175 | kg | | |
| APPLICATION STANDARDS KS.IEC | | | PAINTING | MUNSELL NO. | 5 PB 6/1.5 | | | |
| | | | THICKNESS | <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> | μ m | | | |

| ACCESSORIES (OPTIONAL) | | | SUBMITTAL DRAWINGS | | | | |
|------------------------|--|--|--------------------|--|--|--|--|
| TEMPERATURE DETECTOR | | | OUTLINE DIMENSION | | | | |
| WINDING NO | | | S-T CURVE | | | | |
| TYPE | | | | | | | |
| BEARING NO | | | | | | | |
| TYPE | | | | | | | |
| SPACE HEATER NO | | | | | | | |
| 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. | | * HIGH EFFICIENCY MOTOR. | | | |
| FC : FAN COOLED | SC : SELF COOLED | DATE | PREPARED | CHECKED | APPROVED |
| | | 2008-05-16 | K.I. HA | K.I. HA | H.T. KIM |