

| HIGEN | | INDUCTION MOTOR DATA SHEET | | 110 kW 2 P 280S | |
|---|--|--|---|--|--|
| MODEL: | | CUSTOMER : | | COIL SPEC NO.: | |
| APPLICATION: | | PROJECT NAME: | | REV. NO : 0 | |
| | | | | QUANTITY : SETS | |
| GENERAL DATA | | | PERFORMANCE DATA | | |
| FRAME NO. | | 280S | | OUTPUT 110 kW | |
| 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 | | <input type="checkbox"/> D.O.L <input checked="" type="checkbox"/> Y-△ | |
| PROTECTION | | IP 55 | | STARTING METHOD | |
| METHODS OF COOLING | | <input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/> | | <input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F | |
| PHASE | | 3 PHASE | | <input type="checkbox"/> VECTOR-DRIVE | |
| SERVICE FACTOR | | 1.15 | | RATED VOLTAGE 440 V V | |
| INSULATION CLASS | | F CLASS | | FREQUENCY 60 Hz | |
| TEMP. RISE AT FULL LOAD (at S.F 1.0) | | CURRENT | | | |
| RES. METHOD | | 105 deg | | NO LOAD A A | |
| THERMO. METHOD | | °C | | FULL LOAD 170.7 A A | |
| | | | | STARTING 1501.8 A 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 °C | | AT FULL LOAD 94.5 % | |
| RATING | | <input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED | | POWER FACTOR | |
| NEMA DESIGN | | B | | AT 1/2 LOAD % | |
| MOUNTING | | <input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5 | | AT 3/4 LOAD % | |
| BEARING | | TYPE BALL / BALL | | AT FULL LOAD 89.5 % | |
| | | DEIN-DE 6314C3 / 6314C3 | | SPEED (AT FULL LOAD) 3545 rpm | |
| | | LUBRICANT GREASE | | TORQUE | |
| COUPLING METHOD | | <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT | | FULL LOAD 30.2 kg-m 100% | |
| ROTATION(Facing Drive End) | | <input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW | | LOCKED ROTOR 27.2 kg-m 90% | |
| SHAFT | | | | BREAKDOWN 51.4 kg-m 170% | |
| EXTENSION | | SINGLE | | NOISE LEVEL 96.0 dB(A) | |
| EXTERNAL THRUST | | - | | VIBRATION 25.0 μm | |
| TERMINAL BOX | | ALLOWABLE LOAD GD² REFERRED TO MOTOR SHAFT | | | |
| MAIN | | <input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" type="checkbox"/> CAST | | (AT DIRECT ON-LINE) 36.4 kg-m² | |
| AUX. | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | Motor GD² 3.527 kg-m² | |
| BOX LOCATION | | TOP (Viewed from Drive end) | | MOTOR APPROX. WEIGHT 810 kg | |
| APPLICATION STANDARDS | | KS.IEC | | PAINTING MUNSSELL NO. 5PB 2.5/8.0 | |
| | | | | THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm | |
| ACCESSORIES (OPTIONAL) | | | SUBMITTAL DRAWINGS | | |
| TEMPERATURE DETECTOR | | | OUTLINE DIMENSION DW-KMH-150HV3 | | |
| WINDING NO | | | SPEED-TORQUE CURVE ST-KMH-150HV3 | | |
| TYPE - | | | TERMINAL BOX DIMENSION TB-280SM-1 | | |
| 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 HIGEN MOTOR STANDARD. | | | 2. HIGH EFFICIENCY MOTOR. | | |
| TE : TOTALLY ENCLOSED DP : DRIP PROOF | | | DATE PREPARED CHECKED APPROVED | | |
| FC : FAN COOLED SC : SELF COOLED | | | 2015-06-23 J.H.KIM S.S.YUN T.I.PARK | | |