

| HIGEN | | INDUCTION MOTOR DATA SHEET | | 18.5 kW 6 P 180L | |
|---|--|---|---|---|--|
| MODEL: KMH-25HK8 | | CUSTOMER : | | COIL SPEC NO.: | |
| APPLICATION: | | PROJECT NAME: | | REV. NO : 0 | |
| | | | | QUANTITY : SETS | |
| GENERAL DATA | | | PERFORMANCE DATA | | |
| FRAME NO. | | 180L | | OUTPUT 18.5 kW | |
| 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 | | <input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y-△ | |
| PROTECTION | | IP 55 | | STARTING METHOD | |
| METHODS OF COOLING | | <input type="checkbox"/> AO <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 220 V 380 V | |
| INSULATION CLASS | | F CLASS | | FREQUENCY 60 Hz | |
| TEMP.RISE AT FULL LOAD (at S.F 1.0) | | CURRENT | | | |
| RES. METHOD 80 deg | | NO LOAD | | A A | |
| THERMO. METHOD deg | | FULL LOAD | | 66.2 A 38.3 A | |
| | | STARTING | | 430.2 A 249.0 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 | | 91.7 % | |
| 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 | | 80.0 % | |
| DEIN-DE 6312ZZ / 6309ZZ | | SPEED (AT FULL LOAD) | | 1170 rpm | |
| LUBRICANT GREASE | | TORQUE | | | |
| COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT | | FULL LOAD | | 15.4 kg-m 100% | |
| ROTATION(Facing Drive End) <input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW | | LOCKED ROTOR | | 21.6 kg-m 140% | |
| SHAFT | | BREAKDOWN | | 27.7 kg-m 180% | |
| EXTENSION SINGLE | | NOISE LEVEL | | 77.0 dB(A) | |
| EXTERNAL THRUST - | | VIBRATION | | 30.0 μm | |
| TERMINAL BOX | | ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT | | | |
| MAIN <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST | | (AT DIRECT ON-LINE) | | 227.0 kg-m ² | |
| AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | Motor GD ² | | 1.0786 kg-m ² | |
| BOX LOCATION LEFT (Viewed from Drive end) | | MOTOR APPROX. WEIGHT | | 195 kg | |
| APPLICATION STANDARDS KS.IEC | | PAINTING | | MUNSELL 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-180LTFCHLS-1 | | |
| WINDING NO | | | SPEED-TORQUE CURVE ST-H18.5KK8T180L-1 | | |
| TYPE - | | | TERMINAL BOX DIMENSION TB-MS180NZ-1 | | |
| BEARING NO | | | | | |
| TYPE - | | | | | |
| SPACE HEATER NO | | | | | |
| RATING - | | | | | |
| | | | | | |
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| 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 | | |
| FC : FAN COOLED AO : AIR OVER | | | PREPARED | | |
| | | | CHECKED | | |
| | | | APPROVED | | |
| | | | 2016-07-27 | | |
| | | | H.S.LEE | | |
| | | | K.I.HA | | |
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