



INDUCTION MOTOR DATA SHEET

4 HP - 8 P

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|--|--|---------------|--|---|------------------|
| MODEL: I04HV9FAOC | | CUSTOMER : | | REV. NO : 0 | |
| APPLICATION: | | PROJECT NAME: | | QUANTITY : SETS | |
| GENERAL DATA | | | PERFORMANCE DATA | | |
| FRAME NO. | 132S | | OUTPUT | 3.0 kW | 4 HP |
| ENCLOSURE | <input type="checkbox"/> DRIP PROOF | | POLES | 8 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 54 | | | <input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F | |
| METHODS OF COOLING | <input type="checkbox"/> SC <input type="checkbox"/> FC <input checked="" type="checkbox"/> AO | | <input type="checkbox"/> SOFT-STARTER | | |
| PHASE | 3 PHASE | | RATED VOLTAGE | 440 V | V - V |
| SERVICE FACTOR | 1.0 | | FREQUENCY | 60 Hz | |
| INSULATION CLASS | B CLASS | | CURRENT | | |
| TEMP. RISE AT FULL LOAD (at S.F 1.0) | | | NO LOAD | 4.4 A | A - A |
| RES. METHOD 80 | | | FULL LOAD | 8.0 A | A - A |
| THERMO. METHOD | | | STARTING | 52.0 A | A - A |
| LOCATION | <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR | | EFFICIENCY | | |
| ALTITUDE | 1000 m | | AT 1/2 LOAD % | | |
| HUMIDITY | 90 % | | AT 3/4 LOAD % | | |
| AMBIENT TEMPERATURE | -10-40 | | AT FULL LOAD 80.0 % | | |
| 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 type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5 | | AT 3/4 LOAD % | | |
| BEARING | TYPE | BALL | AT FULL LOAD 65.5 % | | |
| | DEW-DE | 6208ZZ/6206ZZ | SPEED (AT FULL LOAD) 850 rpm | | |
| | LUBRICANT | | TORQUE | | |
| COUPLING METHOD | <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT | | FULL LOAD 3.4 kg-m 100% | | |
| ROTATION(Facing Drive End) | <input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW | | LOCKED ROTOR 5.2 kg-m 150% | | |
| SHAFT | | | BREAKDOWN 6.2 kg-m 180% | | |
| EXTENSION | | | NOISE LEVEL 72.0 dB(A) | | |
| EXTERNAL THRUST | | | VIBRATION 30.0 μm | | |
| TERMINAL BOX | | | ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT | | |
| MAIN <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> CAST | | | (AT DIRECT ON-LINE) 53.7 kg-m ² | | |
| AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | Motor GD ² 0.1683 kg-m ² | | |
| BOX LOCATION LEFT (Viewed from Drive end) | | | MOTOR APPROX. WEIGHT 61.0 kg | | |
| APPLICATION STANDARDS KS.IEC | | | PAINTING | MUNSELL NO. | 7.1 B 4.0/0.9 |
| | | | THICKNESS | <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm | |
| ACCESSORIES (OPTIONAL) | | | SUBMITTAL DRAWINGS | | |
| TEMPERATURE DETECTOR | | | | | |
| WINDING | | | | | |
| 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 | CHECKED |
| AC: AOR OF COOLING | | | 2006.05.08 | J.H JO | J.S PARK |
| | | | | | APPROVED H.T.KIM |