

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

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|------------------------------|-------------------|--------------------|------------------------|
| NAMEPLATE DATA | IEC TYPE | 0.55 KW | 1399 RPM |
| K80-4 FRAME | 3 PHASE | 400 VOLTS | 50 HZ / CYCLES |
| 72.3 EFFICIENCY | 1.5 AMPS | 55 IP | IC411 IC |
| 4 POLE | S1 DUTY | 0.750 PF | N/A EFF2 |
| VALIADIS MANUFACTURER | SERIAL NO. | F INS.CLASS | STAR CONNECTION |

| MAJOR CONTENTS | UNIT | TEST VALUE |
|--|----------|-------------|
| STATOR RESISTANCE OF PHASE TO PHASE | 90 DEG.C | OHM 32.5380 |
| NO LOAD CURRENT | | AMP 0.99 |
| NO LOAD INPUT | | kW 0.104 |
| CORE LOSS(Pfe) | | kW 0.054 |
| WINDAGE FRICTION LOSS(Pfw) | | kW 0.010 |
| STATOR WINDING LOSS(Pcu1) | | kW 0.103 |
| ROTOR WINDING LOSS(Pcu2) | | kW 0.041 |
| STRAY LOAD LOSS(Ps) | | kW 0.004 |
| FULL LOAD CURRENT | | AMP 1.46 |
| LOCKED ROTOR CURRENT | | AMP 7.08 |
| LOCKED ROTOR CURRENT/FULL LOAD CURRENT | | P.U. 5.1 |
| FULL LOAD TORQUE | | N.m 3.76 |
| LOCKED ROTOR TORQUE | | N.m 9.07 |
| LOCKED ROTOR TORQUE/FULL LOAD TORQUE | | P.U. 2.40 |
| PULL OUT TORQUE | | N.m 10.5 |
| PULL OUT TORQUE/FULL LOAD TORQUE | | P.U. 2.80 |
| EFFICIENCY @ FULL LOAD | | % 72.30 |
| POWER FACTOR @ FULL LOAD | | 0.750 |
| FULL LOAD SLIP | | % 6.707 |
| FULL LOAD SPEED | | r/min 1399 |
| STATOR WINDING TEMPERATURE RISE | 30 SECS | K 54.0 |
| D.E. BEARINGS TEMPERATURE BY PT100 | | Deg. C 39.1 |
| SOUND PRESSURE LEVEL | | dB(A) 53 |
| VIBRATION | | mm/s 0.6 |
| WEIGHT | | kg 17 |

The data above is calculated as per IEC 34-2, all data at nominal Volts

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|--|----------------|-----|---------------------|
| VALIADIS S.A. K80-4 0.55 kW 400 VOLTS 50 Hz | SCALE | N/A | |
| | DATE | | REV |
| | DRAWN | | DOCUMENT NO. |
| | APPRVD | | |
| | CHECKED | | |