

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

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|------------------------------|-------------------|--------------------|-------------------------|
| NAMEPLATE DATA | IEC TYPE | 11 KW | 1474 RPM |
| K160M-4 FRAME | 3 PHASE | 400 VOLTS | 50 HZ / CYCLES |
| 90,9 EFFICIENCY | 21,2 AMPS | 55 IP | IC411 IC |
| 4 POLE | S1 DUTY | 0,829 PF | 89,8 IE2 |
| VALIADIS MANUFACTURER | SERIAL NO. | F INS.CLASS | DELTA CONNECTION |

| MAJOR CONTENTS | UNIT | TEST VALUE |
|--|-------------|-------------------|
| STATOR RESISTANCE OF PHASE | OHM | 0,7475 |
| NO LOAD CURRENT | AMP | 11,33 |
| NO LOAD INPUT | W | 590,8 |
| CORE LOSS(Pfe) | W | 433,2 |
| WINDAGE FRICTION LOSS(Pfw) | W | 71,2 |
| STATOR WINDING LOSS(Pcu1) | W | 314,8 |
| ROTOR WINDING LOSS(Pcu2) | W | 195,5 |
| STRAY LOAD LOSS(Ps) | W | 84,6 |
| FULL LOAD CURRENT | AMP | 21,08 |
| LOCKED ROTOR CURRENT | AMP | 174,17 |
| LOCKED ROTOR CURRENT/FULL LOAD CURRENT | P.U. | 8,2 |
| LOCKED ROTOR INPUT @ FULL LOAD | kW | 55,83 |
| FULL LOAD TORQUE | N.m | 71,30 |
| LOCKED ROTOR TORQUE | N.m | 171,45 |
| LOCKED ROTOR TORQUE/FULL LOAD TORQUE | P.U. | 2,40 |
| PULL OUT TORQUE | N.m | 224,0 |
| PULL OUT TORQUE/FULL LOAD TORQUE | P.U. | 3,13 |
| EFFICIENCY @ FULL LOAD | % | 90,9 |
| EFFICIENCY @ 75% LOAD | % | 90,4 |
| POWER FACTOR @ FULL LOAD | | 0,83 |
| FULL LOAD SLIP | % | 1,723 |
| FULL LOAD SPEED | r/min | 1474 |
| STATOR WINDING TEMPERATURE RISE | K | 52 |
| D.E. BEARINGS TEMPERATURE BY PT100 | Deg. C | 44,4 |
| SOUND POWER LEVEL | dB(A) | 69 |
| VIBRATION | mm/s | 0,3 |

standard methods for determining losses and efficiency from tests: pu determined from residual loss(IEC60034-2)

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| VALIADIS S.A. | SCALE | N/A | | |
| | DATE | | REV | |
| K160M-4 | DRAWN | | DOCUMENT NO. | |
| 11 kW | APPRVD | | | |