

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>2.2 KW</b>	<b>1420 RPM</b>
K100L-4 <b>FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
<b>81.1 EFFICIENCY</b>	<b>4.8 AMPS</b>	<b>55 IP</b>	<b>IC411 IC</b>
<b>4 POLE</b>	<b>S1 DUTY</b>	<b>0.820 PF</b>	<b>N/A EFF2</b>
<b>VALIADIS MANUFACTURER</b>	<b>SERIAL NO.</b>	<b>F INS.CLASS</b>	<b>STAR CONNECTION</b>

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE TO PHASE	90 DEG.C	OHM 6.3180
NO LOAD CURRENT		AMP 2.48
NO LOAD INPUT		kW 0.204
CORE LOSS(Pfe)		kW 0.142
WINDAGE FRICTION LOSS(Pfw)		kW 0.014
STATOR WINDING LOSS(Pcu1)		kW 0.217
ROTOR WINDING LOSS(Pcu2)		kW 0.126
STRAY LOAD LOSS(Ps)		kW 0.014
FULL LOAD CURRENT		AMP 4.78
LOCKED ROTOR CURRENT		AMP 31.14
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 6.6
FULL LOAD TORQUE		N.m 14.81
LOCKED ROTOR TORQUE		N.m 39.55
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2.70
PULL OUT TORQUE		N.m 41.5
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2.80
EFFICIENCY @ FULL LOAD		% 81.10
POWER FACTOR @ FULL LOAD		0.820
FULL LOAD SLIP		% 5.359
FULL LOAD SPEED		r/min 1420
STATOR WINDING TEMPERATURE RISE	30 SECS	K 52.0
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 41.6
SOUND PRESSURE LEVEL		dB(A) 54
VIBRATION		mm/s 0.6
WEIGHT		kg 34

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

<b>VALIADIS S.A.</b>  <b>K100L-4</b> <b>2.2 kW</b> <b>400 VOLTS      50      Hz</b>	<b>SCALE</b>	N/A	
	<b>DATE</b>		<b>REV</b>
	<b>DRAWN</b>		<b>DOCUMENT NO.</b>
	<b>APPRVD</b>		
	<b>CHECKED</b>		