

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>1.1 KW</b>	<b>2837 RPM</b>
<b>K80-2 FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
<b>79.9 EFFICIENCY</b>	<b>2.4 AMPS</b>	<b>55 IP</b>	<b>IC411 IC</b>
<b>2 POLE</b>	<b>S1 DUTY</b>	<b>0.850 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 13.7750
NO LOAD CURRENT		AMP 1.13
NO LOAD INPUT		kW 0.113
CORE LOSS(Pfe)		kW 0.067
WINDAGE FRICTION LOSS(Pfw)		kW 0.024
STATOR WINDING LOSS(Pcu1)		kW 0.114
ROTOR WINDING LOSS(Pcu2)		kW 0.065
STRAY LOAD LOSS(Ps)		kW 0.007
FULL LOAD CURRENT		AMP 2.35
LOCKED ROTOR CURRENT		AMP 15.42
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 6.7
FULL LOAD TORQUE		N.m 3.71
LOCKED ROTOR TORQUE		N.m 10.84
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2.90
PULL OUT TORQUE		N.m 11.1
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 3.00
EFFICIENCY @ FULL LOAD		% 79.9
POWER FACTOR @ FULL LOAD		0.85
FULL LOAD SLIP		% 5.448
FULL LOAD SPEED		r/min 2837
STATOR WINDING TEMPERATURE RISE	30 SECS	K 49.0
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 39.0
SOUND PRESSURE LEVEL		dB(A) 56
VIBRATION		mm/s 0.5
WEIGHT		kg 17

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

<b>VALIADIS S.A.</b>  <b>K80-2</b> <b>1.1 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>		