

# 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>2980 RPM</b>
<b>K80-2 FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
<b>80,5 EFFICIENCY</b>	<b>2,2 AMPS</b>	<b>55 IP</b>	<b>IC411 IC</b>
<b>2 POLE</b>	<b>S1 DUTY</b>	<b>0,890 PF</b>	<b>79,60 EFF(IE2)</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 14,3437
NO LOAD CURRENT		AMP 0,97
NO LOAD INPUT		kW 0,093
CORE LOSS(Pfe)		kW 0,056
WINDAGE FRICTION LOSS(Pfw)		kW 0,018
STATOR WINDING LOSS(Pcu1)		kW 0,106
ROTOR WINDING LOSS(Pcu2)		kW 0,064
STRAY LOAD LOSS(Ps)		kW 0,022
FULL LOAD CURRENT		AMP 2,22
LOCKED ROTOR CURRENT		AMP 12,72
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 5,7
FULL LOAD TORQUE		N.m 3,70
LOCKED ROTOR TORQUE		N.m 8,77
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2,37
PULL OUT TORQUE		N.m 9,7
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2,63
EFFICIENCY @ FULL LOAD		% 80,482
EFFICIENCY @ 75% LOAD		% 80,562
POWER FACTOR @ FULL LOAD		0,889
FULL LOAD SLIP		% 5,350
FULL LOAD SPEED		r/min 2840
STATOR WINDING TEMPERATURE RISE	90 SECS	K 47
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 45,2
SOUND POWER LEVEL		dB(A) 56
VIBRATION		mm/s 0,2

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

<b>VALIADIS S.A.</b>		SCALE	N/A	
		DATE		REV
<b>K80-2</b> <b>1,1 kW</b> <b>400 VOLTS 50 Hz</b>		DRAWN		DOCUMENT NO.
		APPRVD		
		CHECKED		