

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>0.55 KW</b>	<b>889 RPM</b>
K80-6 <b>FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
<b>66.9 EFFICIENCY</b>	<b>1.7 AMPS</b>	<b>55 IP</b>	<b>IC411 IC</b>
<b>6 POLE</b>	<b>S1 DUTY</b>	<b>0.712 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 36.9420
NO LOAD CURRENT		AMP 0.95
NO LOAD INPUT		kW 0.089
CORE LOSS(Pfe)		kW 0.040
WINDAGE FRICTION LOSS(Pfw)		kW 0.004
STATOR WINDING LOSS(Pcu1)		kW 0.154
ROTOR WINDING LOSS(Pcu2)		kW 0.070
STRAY LOAD LOSS(Ps)		kW 0.004
FULL LOAD CURRENT		AMP 1.67
LOCKED ROTOR CURRENT		AMP 5.05
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 3.0
FULL LOAD TORQUE		N.m 5.91
LOCKED ROTOR TORQUE		N.m 12.48
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2.11
PULL OUT TORQUE		N.m 13.5
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2.29
EFFICIENCY @ FULL LOAD		% 66.88
POWER FACTOR @ FULL LOAD		0.712
FULL LOAD SLIP		% 11.150
FULL LOAD SPEED		r/min 889
STATOR WINDING TEMPERATURE RISE	30 SECS	K 67.0
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 49.7
SOUND PRESSURE LEVEL		dB(A) 51
VIBRATION		mm/s 0.6
WEIGHT		kg 20

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

<b>VALIADIS S.A.</b>  <b>K80-6</b> <b>0.55 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>		