

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>0.75 KW</b>	<b>2834 RPM</b>
<b>K80-2 FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
<b>78.7 EFFICIENCY</b>	<b>1.7 AMPS</b>	<b>55 IP</b>	<b>IC411 IC</b>
<b>2 POLE</b>	<b>S1 DUTY</b>	<b>0.830 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 20.308
NO LOAD CURRENT		AMP 0.83
NO LOAD INPUT		kW 0.087
CORE LOSS(Pfe)		kW 0.053
WINDAGE FRICTION LOSS(Pfw)		kW 0.017
STATOR WINDING LOSS(Pcu1)		kW 0.083
ROTOR WINDING LOSS(Pcu2)		kW 0.045
STRAY LOAD LOSS(Ps)		kW 0.005
FULL LOAD CURRENT		AMP 1.65
LOCKED ROTOR CURRENT		AMP 11.14
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 7.0
FULL LOAD TORQUE		N.m 2.53
LOCKED ROTOR TORQUE		N.m 7.91
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 3.10
PULL OUT TORQUE		N.m 7.3
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2.90
EFFICIENCY @ FULL LOAD		% 78.70
POWER FACTOR @ FULL LOAD		0.830
FULL LOAD SLIP		% 5.517
FULL LOAD SPEED		r/min 2834
STATOR WINDING TEMPERATURE RISE	30 SECS	K 36.0
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 35.6
SOUND PRESSURE LEVEL		dB(A) 55
VIBRATION		mm/s 0.5
WEIGHT		kg 16

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>0.75 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>		