

# 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>1419 RPM</b>
K80-4 <b>FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
<b>EFFICIENCY</b>	<b>1,76 AMPS</b>	<b>55 IP</b>	<b>IC</b>
<b>4 POLE</b>	<b>S1 DUTY</b>	<b>PF</b>	<b>N/A 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 18,0840
NO LOAD CURRENT		AMP 1,21
NO LOAD INPUT		kW 0,084
CORE LOSS(Pfe)		kW 0,041
WINDAGE FRICTION LOSS(Pfw)		kW 0,008
STATOR WINDING LOSS(Pcu1)		kW 0,084
ROTOR WINDING LOSS(Pcu2)		kW 0,044
STRAY LOAD LOSS(Ps)		kW 0,011
FULL LOAD CURRENT		AMP 1,76
LOCKED ROTOR CURRENT		AMP 9,85
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 5,6
FULL LOAD TORQUE		N.m 5,05
LOCKED ROTOR TORQUE		N.m 15,29
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 3,03
PULL OUT TORQUE		N.m 14,9
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2,95
EFFICIENCY @ FULL LOAD		% 80,04
EFFICIENCY @75% LOAD		% 79,92
POWER FACTOR @ FULL LOAD		0,771
FULL LOAD SLIP		% 5,41
FULL LOAD SPEED		r/min 1419
STATOR WINDING TEMPERATURE RISE		K 47
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 50,1
AMBIENT TEMPERATURE OF TESTING		Deg. C 15,6
SOUND POWER LEVEL		dB(A) 50
VIBRATION		mm/s 0,3

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

<b>VALIADIS S.A.</b>  <b>K80-4</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>		

PERFORMANCE