

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>22 KW</b>	<b>734 RPM</b>
K225M-8 <b>FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
<b>90,0 EFFICIENCY</b>	<b>43,4 AMPS</b>	<b>55 IP</b>	
<b>8 POLE</b>	<b>S1 DUTY</b>	<b>0,780 PF</b>	<b>N/A EFF2</b>
<b>VALIADIS MANUFACTURER</b>	<b>SERIAL NO.</b>	<b>F INS.CLASS</b>	<b>DELTA CONNECTION</b>

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE TO PHASE	90 DEG.C	OHM 0,4257
NO LOAD CURRENT		AMP 21,93
NO LOAD INPUT		kW 0,770
CORE LOSS(Pfe)		kW 0,459
WINDAGE FRICTION LOSS(Pfw)		kW 0,125
STATOR WINDING LOSS(Pcu1)		kW 0,802
ROTOR WINDING LOSS(Pcu2)		kW 0,493
STRAY LOAD LOSS(Ps)		kW 0,120
FULL LOAD CURRENT		AMP 43,40
LOCKED ROTOR CURRENT		AMP 223,94
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 5,2
FULL LOAD TORQUE		N.m 286,39
LOCKED ROTOR TORQUE		N.m 592,83
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2,07
PULL OUT TORQUE		N.m 650,1
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2,30
EFFICIENCY @ FULL LOAD		% 91,70
FULL LOAD SLIP		% 0,800
FULL LOAD SPEED		r/min 734
STATOR WINDING TEMPERATURE RISE	90 SECS	K 67
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 53,4
TEMPERATURE ON LEADS BY PT100		Deg. C 51,2
TEMPERATURE IN TERMINAL BOX BY PT100		Deg. C 41,5
AMBIENT TEMPERATURE OF TESTING		Deg. C 5,1
SOUND PRESSURE LEVEL		dB(A) 71
VIBRATION		mm/s 1,5

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

<b>VALIADIS S.A.</b>  <b>K225M-8</b> <b>22 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>		