

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>55 KW</b>	<b>1481 RPM</b>
K225M-4 <b>FRAME REDUCED</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
<b>93,5 EFFICIENCY</b>	<b>94,1 AMPS</b>	<b>55 IP</b>	<b>IC</b>
<b>4 POLE</b>	<b>S1 DUTY</b>	<b>0,902 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	0,0935
NO LOAD CURRENT		AMP	27,69
NO LOAD INPUT		kW	1,656
CORE LOSS(Pfe)		kW	1,010
WINDAGE FRICTION LOSS(Pfw)		kW	0,550
STATOR WINDING LOSS(Pcu1)		kW	1,242
ROTOR WINDING LOSS(Pcu2)		kW	0,713
STRAY LOAD LOSS(Ps)		kW	0,294
FULL LOAD CURRENT		AMP	94,08
LOCKED ROTOR CURRENT		AMP	606,84
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	6,5
FULL LOAD TORQUE		N.m	354,82
LOCKED ROTOR TORQUE		N.m	741,58
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	2,09
PULL OUT TORQUE		N.m	965,1
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	2,72
EFFICIENCY @ FULL LOAD		%	93,525
POWER FACTOR @ FULL LOAD			0,902
FULL LOAD SLIP		%	1,260
FULL LOAD SPEED		r/min	1481
STATOR WINDING TEMPERATURE RISE	90 SECS	K	67
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	59,6
AMBIENT TEMPERATURE OF TESTING		Deg. C	20,4
SOUND PRESSURE LEVEL		dB(A)	78
VIBRATION		mm/s	1,6

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
K225M-4 55 kW		DRAWN		DOCUMENT NO.
		APPRVD		
400	VOLTS	50	Hz	
		CHECKED		