

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>37 KW</b>	<b>1471 RPM</b>
K200L-4 <b>FRAME REDUCED</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
<b>92,5 EFFICIENCY</b>	<b>65,6 AMPS</b>	<b>55 IP</b>	<b>IC</b>
<b>4 POLE</b>	<b>S1 DUTY</b>	<b>0,881 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	0,1354
NO LOAD CURRENT		AMP	19,71
NO LOAD INPUT		kW	1,252
CORE LOSS(Pfe)		kW	0,737
WINDAGE FRICTION LOSS(Pfw)		kW	0,444
STATOR WINDING LOSS(Pcu1)		kW	0,873
ROTOR WINDING LOSS(Pcu2)		kW	0,753
STRAY LOAD LOSS(Ps)		kW	0,200
FULL LOAD CURRENT		AMP	65,56
LOCKED ROTOR CURRENT		AMP	321,90
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	4,9
FULL LOAD TORQUE		N.m	240,40
LOCKED ROTOR TORQUE		N.m	435,13
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	1,81
PULL OUT TORQUE		N.m	524,1
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	2,18
EFFICIENCY @ FULL LOAD		%	92,486
POWER FACTOR @ FULL LOAD			0,881
FULL LOAD SLIP		%	1,960
FULL LOAD SPEED		r/min	1471
STATOR WINDING TEMPERATURE RISE	90 SECS	K	58
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	60,5
AMBIENT TEMPERATURE OF TESTING		Deg. C	21,7
SOUND PRESSURE LEVEL		dB(A)	75
VIBRATION		mm/s	1,3

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
K200L-4 37 kW		DRAWN		DOCUMENT NO.
		APPRVD		
400	VOLTS	50	Hz	CHECKED