

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>45 KW</b>	<b>2953 RPM</b>
K200L-2 <b>FRAME REDUCED</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
<b>93,0 EFFICIENCY</b>	<b>75,0 AMPS</b>	<b>55 IP</b>	<b>IC</b>
<b>2 POLE</b>	<b>S1 DUTY</b>	<b>0,931 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	0,1152
NO LOAD CURRENT		AMP	21,37
NO LOAD INPUT		kW	1,512
CORE LOSS(Pfe)		kW	0,541
WINDAGE FRICTION LOSS(Pfw)		kW	0,900
STATOR WINDING LOSS(Pcu1)		kW	0,973
ROTOR WINDING LOSS(Pcu2)		kW	0,736
STRAY LOAD LOSS(Ps)		kW	0,242
FULL LOAD CURRENT		AMP	75,02
LOCKED ROTOR CURRENT		AMP	477,88
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	6,4
FULL LOAD TORQUE		N.m	145,61
LOCKED ROTOR TORQUE		N.m	292,68
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	2,01
PULL OUT TORQUE		N.m	442,7
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	3,04
EFFICIENCY @ FULL LOAD		%	92,992
POWER FACTOR @ FULL LOAD			0,931
FULL LOAD SLIP		%	1,570
FULL LOAD SPEED		r/min	2953
STATOR WINDING TEMPERATURE RISE	90 SECS	K	68
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	61,3
AMBIENT TEMPERATURE OF TESTING		Deg. C	21,2
SOUND PRESSURE LEVEL		dB(A)	85
VIBRATION		mm/s	1,1

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-2 45 kW		DRAWN		DOCUMENT NO.
		APPRVD		
400	VOLTS	50	Hz	CHECKED