

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>30 KW</b>	<b>2972 RPM</b>
K200L-2 <b>FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
93,1 <b>EFFICIENCY</b>	<b>52,6 AMPS</b>	<b>55 IP</b>	<b>IC411 IC</b>
<b>2 POLE</b>	<b>S1 DUTY</b>	<b>0,898 PF</b>	<b>92,5 IE2</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	OHM	0,2127
NO LOAD CURRENT	AMP	16,10
NO LOAD INPUT	W	1205,1
CORE LOSS(Pfe)	W	848,0
WINDAGE FRICTION LOSS(Pfw)	W	317,2
STATOR WINDING LOSS(Pcu1)	W	435,9
ROTOR WINDING LOSS(Pcu2)	W	285,9
STRAY LOAD LOSS(Ps)	W	155,0
FULL LOAD CURRENT	AMP	51,80
LOCKED ROTOR CURRENT	AMP	380,92
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	7,2
LOCKED ROTOR INPUT @ FULL LOAD	kW	144,43
FULL LOAD TORQUE	N.m	96,44
LOCKED ROTOR TORQUE	N.m	221,50
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,29
PULL OUT TORQUE	N.m	289,4
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,99
EFFICIENCY @ FULL LOAD	%	93,1
EFFICIENCY @ 75% LOAD	%	92,6
POWER FACTOR @ FULL LOAD		0,90
FULL LOAD SLIP	%	0,898
FULL LOAD SPEED	r/min	2972
STATOR WINDING TEMPERATURE RISE	K	63
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	42,6
SOUND POWER LEVEL	dB(A)	83
VIBRATION	mm/s	1,6

standard methods for determining losses and efficiency from tests: pu determined from residual loss(IEC60034-2)

<b>VALIADIS S.A.</b>		SCALE	N/A		
		DATE		REV	
<b>K200L-2</b> <b>30 kW</b> <b>400 VOLTS 50 Hz</b>		DRAWN		DOCUMENT NO.	
		APPRVD			
		CHECKED			