

# 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>
K180LX <b>FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
91,5 <b>EFFICIENCY</b>	<b>66,9 AMPS</b>	<b>55 IP</b>	<b>IC</b>
<b>4 POLE</b>	<b>S1 DUTY</b>	<b>0,873 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 20,49
NO LOAD INPUT		kW 1,198
CORE LOSS(Pfe)		kW 0,744
WINDAGE FRICTION LOSS(Pfw)		kW 0,377
STATOR WINDING LOSS(Pcu1)		kW 0,909
ROTOR WINDING LOSS(Pcu2)		kW 0,760
STRAY LOAD LOSS(Ps)		kW 0,662
FULL LOAD CURRENT		AMP 66,90
LOCKED ROTOR CURRENT		AMP 336,51
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 5,0
FULL LOAD TORQUE		N.m 240,40
LOCKED ROTOR TORQUE		N.m 456,76
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 1,90
PULL OUT TORQUE		N.m 548,1
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2,28
EFFICIENCY @ FULL LOAD		% 91,464
POWER FACTOR @ FULL LOAD		0,873
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 78,8
AMBIENT TEMPERATURE OF TESTING		Deg. C 16,3
SOUND POWER LEVEL		dB(A) 76
VIBRATION		mm/s 0,4

<b>VALIADIS S.A.</b> <b>K180LX-4</b> <b>37 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>		

PERFORMANCE