

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>5,5 KW</b>	<b>2885 RPM</b>
K112M-2 <b>FRAME REDUCED</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
<b>86,8 EFFICIENCY</b>	<b>9,8 AMPS</b>	<b>55 IP</b>	<b>IC</b>
<b>2 POLE</b>	<b>S1 DUTY</b>	<b>0,938 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 2,3678
NO LOAD CURRENT		AMP 2,41
NO LOAD INPUT		kW 0,262
CORE LOSS(Pfe)		kW 0,119
WINDAGE FRICTION LOSS(Pfw)		kW 0,124
STATOR WINDING LOSS(Pcu1)		kW 0,338
ROTOR WINDING LOSS(Pcu2)		kW 0,226
STRAY LOAD LOSS(Ps)		kW 0,032
FULL LOAD CURRENT		AMP 9,76
LOCKED ROTOR CURRENT		AMP 70,08
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 7,2
FULL LOAD TORQUE		N.m 18,22
LOCKED ROTOR TORQUE		N.m 43,54
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2,39
PULL OUT TORQUE		N.m 53,6
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2,94
EFFICIENCY @ FULL LOAD		% 86,763
POWER FACTOR @ FULL LOAD		0,938
FULL LOAD SLIP		% 3,840
FULL LOAD SPEED		r/min 2885
STATOR WINDING TEMPERATURE RISE	90 SECS	K 71
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 60,8
AMBIENT TEMPERATURE OF TESTING		Deg. C 20,5
SOUND PRESSURE LEVEL		dB(A) 74
VIBRATION		mm/s 0,4

The data above is calculated as per IEC 34-2,all data at nominal Volts.

<b>VALIADIS S.A.</b>  <b>K112M-2</b> <b>5,5 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>		