

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>11 KW</b>	<b>2944 RPM</b>
K160M-2 <b>FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
90,9 <b>EFFICIENCY</b>	<b>21,2 AMPS</b>	<b>55 IP</b>	<b>IC411 IC</b>
<b>2 POLE</b>	<b>S1 DUTY</b>	<b>0,876 PF</b>	<b>89,40 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	0,8126
NO LOAD CURRENT	AMP	6,35
NO LOAD INPUT	W	485,2
CORE LOSS(Pfe)	W	265,2
WINDAGE FRICTION LOSS(Pfw)	W	191,0
STATOR WINDING LOSS(Pcu1)	W	300,1
ROTOR WINDING LOSS(Pcu2)	W	214,1
STRAY LOAD LOSS(Ps)	W	134,1
FULL LOAD CURRENT	AMP	19,9
LOCKED ROTOR CURRENT	AMP	149,4
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	7,8
LOCKED ROTOR INPUT @ FULL LOAD	kW	45,51
FULL LOAD TORQUE	N.m	35,7
LOCKED ROTOR TORQUE	N.m	90,2
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,52
PULL OUT TORQUE	N.m	106,9
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,99
EFFICIENCY @ FULL LOAD	%	90,9
EFFICIENCY @ 75% LOAD	%	90,9
POWER FACTOR @ FULL LOAD		0,88
FULL LOAD SLIP	%	1,86
FULL LOAD SPEED	r/min	2944
STATOR WINDING TEMPERATURE RISE	K	45
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	48,4
SOUND POWER LEVEL	dB(A)	76
VIBRATION	mm/s	1,5

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

<b>VALIADIS S.A.</b>  <b>K160M-2</b> <b>11 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>			