

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>55 KW</b>	<b>738 RPM</b>
K315S-8 <b>FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
<b>93,0 EFFICIENCY</b>	<b>109,2 AMPS</b>	<b>55 IP</b>	<b>IC411 IC</b>
<b>8 POLE</b>	<b>S1 DUTY</b>	<b>0,782 PF</b>	<b>N/A EFF2</b>
<b>VALIADIS MANUFACTURER</b>	<b>1177 SERIAL NO.</b>	<b>F INS.CLASS</b>	<b>DELTA CONNECTION</b>

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE TO PHASE	95 DEG.C	0,063832
NO LOAD CURRENT	AMP	51,58
NO LOAD INPUT	kW	1,949
CORE LOSS(Pfe)	kW	1,361
WINDAGE FRICTION LOSS(Pfw)	kW	0,392
STATOR WINDING LOSS(Pcu1)	kW	1,141
ROTOR WINDING LOSS(Pcu2)	kW	0,910
STRAY LOAD LOSS(Ps)	kW	0,296
FULL LOAD CURRENT	AMP	109,17
LOCKED ROTOR CURRENT	AMP	585,71
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	5,4
LOCKED ROTOR INPUT @ FULL LOAD	kW	97,49
FULL LOAD TORQUE	N.m	712,08
LOCKED ROTOR TORQUE	N.m	1514,09
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,13
PULL OUT TORQUE	N.m	1853,7
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,60
EFFICIENCY @ FULL LOAD	%	93,04
POWER FACTOR @ FULL LOAD		0,782
FULL LOAD SLIP	%	1,608
FULL LOAD SPEED	r/min	738
STATOR WINDING TEMPERATURE RISE	90 SECS	K
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C
TEMPERATURE ON LEADS BY PT100		Deg. C
TEMPERATURE IN TERMINAL BOX BY PT100		Deg. C
AMBIENT TEMPERATURE OF TESTING		Deg. C
SOUND PRESSURE LEVEL		dB(A)
VIBRATION		mm/s

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

<b>VALIADIS S.A.</b>  <b>K315S-8</b> <b>55 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>		