

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>160 KW</b>	<b>2975 RPM</b>
K315L-2 <b>FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
<b>95,5 EFFICIENCY</b>	<b>261,7 AMPS</b>	<b>55 IP</b>	<b>IC411 IC</b>
<b>2 POLE</b>	<b>S1 DUTY</b>	<b>0,924 PF</b>	<b>94,80 EFF(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	0,0215
NO LOAD CURRENT	AMP	65,05
NO LOAD INPUT	kW	3,614
CORE LOSS(Pfe)	kW	1,836
WINDAGE FRICTION LOSS(Pfw)	kW	1,696
STATOR WINDING LOSS(Pcu1)	kW	1,473
ROTOR WINDING LOSS(Pcu2)	kW	1,347
STRAY LOAD LOSS(Ps)	kW	1,200
FULL LOAD CURRENT	AMP	261,7
LOCKED ROTOR CURRENT	AMP	1638,4
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	6,3
FULL LOAD TORQUE	N.m	513,8
LOCKED ROTOR TORQUE	N.m	1012,2
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	1,97
PULL OUT TORQUE	N.m	1536,3
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,99
EFFICIENCY @ FULL LOAD	%	95,5
EFFICIENCY @ 75% LOAD	%	94,6
POWER FACTOR @ FULL LOAD		0,92
FULL LOAD SLIP	%	0,82
FULL LOAD SPEED	r/min	2975
STATOR WINDING TEMPERATURE RISE	K	54
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	51,3
SOUND POWER LEVEL	dB(A)	87
VIBRATION	mm/s	2,1

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

<b>VALIADIS S.A.</b>  <b>K315L-2</b> <b>160 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>		