

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>200 KW</b>	<b>1487 RPM</b>
K315L-4 <b>FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
<b>95,5 EFFICIENCY</b>	<b>328,8 AMPS</b>	<b>55 IP</b>	<b>IC411 IC</b>
<b>4 POLE</b>	<b>S1 DUTY</b>	<b>0,920 PF</b>	<b>95,10 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	0,0233
NO LOAD CURRENT	AMP	81,67
NO LOAD INPUT	kW	3,862
CORE LOSS(Pfe)	kW	2,222
WINDAGE FRICTION LOSS(Pfw)	kW	1,500
STATOR WINDING LOSS(Pcu1)	kW	2,525
ROTOR WINDING LOSS(Pcu2)	kW	1,761
STRAY LOAD LOSS(Ps)	kW	1,500
FULL LOAD CURRENT	AMP	328,8
LOCKED ROTOR CURRENT	AMP	2052,0
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	6,2
FULL LOAD TORQUE	N.m	1285,1
LOCKED ROTOR TORQUE	N.m	2827,1
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,20
PULL OUT TORQUE	N.m	3315,4
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,58
EFFICIENCY @ FULL LOAD	%	95,5
EFFICIENCY @ 75% LOAD	%	94,9
POWER FACTOR @ FULL LOAD		0,92
FULL LOAD SLIP	%	0,86
FULL LOAD SPEED	r/min	1487
STATOR WINDING TEMPERATURE RISE	K	73
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	64,2
SOUND POWER LEVEL	dB(A)	85
VIBRATION	mm/s	1,6

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

<b>VALIADIS S.A.</b>  <b>K315L-4</b> <b>200 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>		