

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>110 KW</b>	<b>1488 RPM</b>
K315S-4 <b>FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
94,9 <b>EFFICIENCY</b>	185,0 <b>AMPS</b>	55 <b>IP</b>	IC411 <b>IC</b>
4 <b>POLE</b>	S1 <b>DUTY</b>	0,905 <b>PF</b>	94,50 <b>EFF(IE2)</b>
VALIADIS <b>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	0,0450
NO LOAD CURRENT	AMP	55,97
NO LOAD INPUT	kW	2,626
CORE LOSS(Pfe)	kW	1,498
WINDAGE FRICTION LOSS(Pfw)	kW	1,001
STATOR WINDING LOSS(Pcu1)	kW	1,540
ROTOR WINDING LOSS(Pcu2)	kW	0,892
STRAY LOAD LOSS(Ps)	kW	1,045
FULL LOAD CURRENT	AMP	185,0
LOCKED ROTOR CURRENT	AMP	1241,0
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	6,7
FULL LOAD TORQUE	N.m	706,3
LOCKED ROTOR TORQUE	N.m	1560,9
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,21
PULL OUT TORQUE	N.m	2062,3
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,92
EFFICIENCY @ FULL LOAD	%	94,8
EFFICIENCY @ 75% LOAD	%	95,4
POWER FACTOR @ FULL LOAD		0,91
FULL LOAD SLIP	%	0,79
FULL LOAD SPEED	r/min	1488
STATOR WINDING TEMPERATURE RISE	K	54
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	49,7
SOUND POWER LEVEL	dB(A)	84
VIBRATION	mm/s	1,8

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

<b>VALIADIS S.A.</b>		SCALE	N/A		
		DATE		REV	
<b>K315S-4</b> <b>110 kW</b> <b>400 VOLTS 50 Hz</b>		DRAWN		DOCUMENT NO.	
		APPRVD			
		CHECKED			