

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>132 KW</b>	<b>2980 RPM</b>
K315M-2 <b>FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
<b>95,4 EFFICIENCY</b>	<b>217,8 AMPS</b>	<b>55 IP</b>	<b>IC411 IC</b>
<b>2 POLE</b>	<b>S1 DUTY</b>	<b>0,917 PF</b>	<b>94,60 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	64,30
NO LOAD INPUT	kW	3,602
CORE LOSS(Pfe)	kW	1,819
WINDAGE FRICTION LOSS(Pfw)	kW	1,703
STATOR WINDING LOSS(Pcu1)	kW	1,020
ROTOR WINDING LOSS(Pcu2)	kW	0,909
STRAY LOAD LOSS(Ps)	kW	0,990
FULL LOAD CURRENT	AMP	217,8
LOCKED ROTOR CURRENT	AMP	1637,8
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	7,5
FULL LOAD TORQUE	N.m	423,3
LOCKED ROTOR TORQUE	N.m	1011,6
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,39
PULL OUT TORQUE	N.m	1536,4
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	3,63
EFFICIENCY @ FULL LOAD	%	95,3
EFFICIENCY @ 75% LOAD	%	95,6
POWER FACTOR @ FULL LOAD		0,92
FULL LOAD SLIP	%	0,67
FULL LOAD SPEED	r/min	2980
STATOR WINDING TEMPERATURE RISE	K	51
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	46,3
SOUND POWER LEVEL	dB(A)	86
VIBRATION	mm/s	1,9

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>K315M-2</b> <b>132 kW</b>		DRAWN		DOCUMENT NO.
		APPRVD		
		CHECKED		
<b>400</b>	<b>VOLTS</b>	<b>50</b>	<b>Hz</b>	