

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>4 KW</b>	<b>966 RPM</b>
K132M-6 <b>FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
<b>85,4 EFFICIENCY</b>	<b>8,4 AMPS</b>	<b>55 IP</b>	<b>IC411 IC</b>
<b>6 POLE</b>	<b>S1 DUTY</b>	<b>0,802 PF</b>	<b>84,60 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	4,493
NO LOAD CURRENT	AMP	4,71
NO LOAD INPUT	kW	0,250
CORE LOSS(Pfe)	kW	0,131
WINDAGE FRICTION LOSS(Pfw)	kW	0,029
STATOR WINDING LOSS(Pcu1)	kW	0,319
ROTOR WINDING LOSS(Pcu2)	kW	0,143
STRAY LOAD LOSS(Ps)	kW	0,068
FULL LOAD CURRENT	AMP	8,4
LOCKED ROTOR CURRENT	AMP	47,4
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	5,6
FULL LOAD TORQUE	N.m	39,55
LOCKED ROTOR TORQUE	N.m	77,13
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	1,95
PULL OUT TORQUE	N.m	89,0
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,25
EFFICIENCY @ FULL LOAD	%	85,3
EFFICIENCY @75% LOAD	%	85,5
POWER FACTOR @ FULL LOAD		0,80
FULL LOAD SLIP	%	3,37
FULL LOAD SPEED	r/min	966
STATOR WINDING TEMPERATURE RISE	K	58
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	50,6
SOUND POWER LEVEL	dB(A)	64
VIBRATION	mm/s	0,9

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

<b>VALIADIS S.A.</b>  <b>K132M-6</b> <b>4 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>		