

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>75 KW</b>	<b>2982 RPM</b>
K280S-2 <b>FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
94,4 <b>EFFICIENCY</b>	<b>131,7 AMPS</b>	<b>55 IP</b>	<b>IC411 IC</b>
<b>2 POLE</b>	<b>S1 DUTY</b>	<b>0,882 PF</b>	<b>93,8 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	0,0477
NO LOAD CURRENT	AMP	48,27
NO LOAD INPUT	W	2914,4
CORE LOSS(Pfe)	W	1923,8
WINDAGE FRICTION LOSS(Pfw)	W	886,2
STATOR WINDING LOSS(Pcu1)	W	795,6
ROTOR WINDING LOSS(Pcu2)	W	459,8
STRAY LOAD LOSS(Ps)	W	389,7
FULL LOAD CURRENT	AMP	130,06
LOCKED ROTOR CURRENT	AMP	1094,74
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	8,3
LOCKED ROTOR INPUT @ FULL LOAD	kW	330,73
FULL LOAD TORQUE	N.m	240,31
LOCKED ROTOR TORQUE	N.m	583,56
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,43
PULL OUT TORQUE	N.m	840,6
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	3,50
EFFICIENCY @ FULL LOAD	%	94,4
EFFICIENCY @ 75% LOAD	%	93,7
POWER FACTOR @ FULL LOAD		0,88
FULL LOAD SLIP	%	0,599
FULL LOAD SPEED	r/min	2982
STATOR WINDING TEMPERATURE RISE	K	56
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	46,3
SOUND POWER LEVEL	dB(A)	89
VIBRATION	mm/s	2,0

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

<b>VALIADIS S.A.</b>	<b>SCALE</b>	N/A		
	<b>DATE</b>		<b>REV</b>	
<b>K280S-2</b>	<b>DRAWN</b>		<b>DOCUMENT NO.</b>	
<b>75 kW</b>	<b>APPRVD</b>			