VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA		IEC	**TYPE**	160	**KW**	1488	**RPM**
K315L-4	**FRAME**	3	**PHASE**	400	**VOLTS**	50	**HZ / CYCLES**
95,5	**EFFICIENCY**	265,2	**AMPS**	55	**IP**	IC411	**IC**
4	**POLE**	S1	**DUTY**	0,912	**PF**	94,90	**EFF(IE2)**
VALIADIS	**MANUFACTURER**		**SERIAL NO.**	F	**INS.CLASS**	DELTA	**CONNECTION**

MAJOR CONTENTS	**UNIT**	**TEST VALUE**
STATOR RESISTANCE OF PHASE	OHM	0,0292
NO LOAD CURRENT	AMP	76,50
NO LOAD INPUT	kW	3,121
CORE LOSS(Pfe)	kW	1,959
WINDAGE FRICTION LOSS(Pfw)	kW	1,008
STATOR WINDING LOSS(Pcu1)	kW	2,056
ROTOR WINDING LOSS(Pcu2)	kW	1,325
STRAY LOAD LOSS(Ps)	kW	1,200
FULL LOAD CURRENT	AMP	265,2
LOCKED ROTOR CURRENT	AMP	1763,8
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	6,7
FULL LOAD TORQUE	N.m	1027,5
LOCKED ROTOR TORQUE	N.m	2373,6
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,31
PULL OUT TORQUE	N.m	2866,8
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,79
EFFICIENCY @ FULL LOAD	%	95,5
EFFICIENCY @ 75% LOAD	%	94,7
POWER FACTOR @ FULL LOAD		0,91
FULL LOAD SLIP	%	0,81
FULL LOAD SPEED	r/min	1488
STATOR WINDING TEMPERATURE RISE	K	62
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	58,9
SOUND POWER LEVEL	dB(A)	84
VIBRATION	mm/s	2,0

standard methods for determining losses ang efficiency from tests: pu determined from residuac loss(IEC60034-2

VALIADIS S.A.	**SCALE**	N/A			
	DATE		**REV**		
K315L-4	**DRAWN**		**DOCUMENT NO.**		
160 kW	**APPRVD**				
400 VOLTS 50 Hz	**CHECKED**				

PERFORMANCE