VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA		IEC	**TYPE**	15	**KW**	1471	**RPM**
K160L-4	**FRAME**	3	**PHASE**	400	**VOLTS**	50	**HZ / CYCLES**
91,1	**EFFICIENCY**	28,0	**AMPS**	55	**IP**	IC411	**IC**
4	**POLE**	S1	**DUTY**	0,847	**PF**	90,6	**IE2**
VALIADIS	**MANUFACTURER**		**SERIAL NO.**	F	**INS.CLASS**	DELTA	**CONNECTION**

MAJOR CONTENTS	**UNIT**	**TEST VALUE**
STATOR RESISTANCE OF PHASE	OHM	0,5274
NO LOAD CURRENT	AMP	12,66
NO LOAD INPUT	W	690,5
CORE LOSS(Pfe)	W	519,9
WINDAGE FRICTION LOSS(Pfw)	W	89,5
STATOR WINDING LOSS(Pcu1)	W	413,0
ROTOR WINDING LOSS(Pcu2)	W	300,4
STRAY LOAD LOSS(Ps)	W	149,7
FULL LOAD CURRENT	AMP	28,07
LOCKED ROTOR CURRENT	AMP	197,71
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	7,1
LOCKED ROTOR INPUT @ FULL LOAD	kW	71,52
FULL LOAD TORQUE	N.m	97,43
LOCKED ROTOR TORQUE	N.m	211,52
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,17
PULL OUT TORQUE	N.m	257,0
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,64
EFFICIENCY @ FULL LOAD	%	91,1
EFFICIENCY @ 75% LOAD	%	90,9
POWER FACTOR @ FULL LOAD		0,85
FULL LOAD SLIP	%	1,933
FULL LOAD SPEED	r/min	1471
STATOR WINDING TEMPERATURE RISE	K	60
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	54,1
SOUND POWER LEVEL	dB(A)	71
VIBRATION	mm/s	0,9

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

VALIADIS S.A.	**SCALE**	N/A		
	DATE		**REV**	
K160L-4	**DRAWN**		**DOCUMENT NO.**	
15 kW	**APPRVD**			
400 VOLTS 50 Hz	**CHECKED**			

PERFORMANCE