VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA		IEC	**TYPE**	37	**KW**	986	**RPM**
K250M-6	**FRAME**	3	**PHASE**	400	**VOLTS**	50	**HZ / CYCLES**
92,8	**EFFICIENCY**	66,2	**AMPS**	55	**IP**	IC411	**IC**
6	**POLE**	S1	**DUTY**	0,849	**PF**	92,2	**IE2**
VALIADIS	**MANUFACTURER**		**SERIAL NO.**	F	**INS.CLASS**	DELTA	**CONNECTION**

MAJOR CONTENTS	**UNIT**	**TEST VALUE**
STATOR RESISTANCE OF PHASE	OHM	0,2227
NO LOAD CURRENT	AMP	25,74
NO LOAD INPUT	W	1045,3
CORE LOSS(Pfe)	W	765,5
WINDAGE FRICTION LOSS(Pfw)	W	142,5
STATOR WINDING LOSS(Pcu1)	W	1004,6
ROTOR WINDING LOSS(Pcu2)	W	532,9
STRAY LOAD LOSS(Ps)	W	421,8
FULL LOAD CURRENT	AMP	67,77
LOCKED ROTOR CURRENT	AMP	493,65
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	7,5
LOCKED ROTOR INPUT @ FULL LOAD	kW	140,87
FULL LOAD TORQUE	N.m	358,55
LOCKED ROTOR TORQUE	N.m	843,83
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,35
PULL OUT TORQUE	N.m	1075,5
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	3,00
EFFICIENCY @ FULL LOAD	%	92,8
EFFICIENCY @ 75% LOAD	%	93,1
POWER FACTOR @ FULL LOAD		0,85
FULL LOAD SLIP	%	1,399
FULL LOAD SPEED	r/min	986
STATOR WINDING TEMPERATURE RISE	K	63
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	60,3
SOUND POWER LEVEL	dB(A)	75
VIBRATION	mm/s	1,4

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

VALIADIS S.A.	**SCALE**	N/A		
	DATE		**REV**	
K250M-6	**DRAWN**		**DOCUMENT NO.**	
37 kW	**APPRVD**			
400 VOLTS 50 Hz	**CHECKED**			

PERFORMANCE