VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA		IEC	**TYPE**	15	**KW**	981	**RPM**
K180L-6	**FRAME**	3	**PHASE**	400	**VOLTS**	50	**HZ / CYCLES**
90,6	**EFFICIENCY**	28,0	**AMPS**	55	**IP**	IC411	**IC**
6	**POLE**	S1	**DUTY**	0,816	**PF**	89,7	**IE2**
VALIADIS	**MANUFACTURER**		**SERIAL NO.**	F	**INS.CLASS**	DELTA	**CONNECTION**

MAJOR CONTENTS	**UNIT**	**TEST VALUE**
STATOR RESISTANCE OF PHASE	OHM	0,8235
NO LOAD CURRENT	AMP	11,94
NO LOAD INPUT	W	593,8
CORE LOSS(Pfe)	W	417,9
WINDAGE FRICTION LOSS(Pfw)	W	67,7
STATOR WINDING LOSS(Pcu1)	W	694,2
ROTOR WINDING LOSS(Pcu2)	W	297,8
STRAY LOAD LOSS(Ps)	W	78,1
FULL LOAD CURRENT	AMP	29,27
LOCKED ROTOR CURRENT	AMP	195,32
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	7,0
LOCKED ROTOR INPUT @ FULL LOAD	kW	71,64
FULL LOAD TORQUE	N.m	146,14
LOCKED ROTOR TORQUE	N.m	313,57
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,14
PULL OUT TORQUE	N.m	386,3
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,64
EFFICIENCY @ FULL LOAD	%	90,6
EFFICIENCY @ 75% LOAD	%	90,8
POWER FACTOR @ FULL LOAD		0,82
FULL LOAD SLIP	%	1,928
FULL LOAD SPEED	r/min	981
STATOR WINDING TEMPERATURE RISE	K	61
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	58,3
SOUND POWER LEVEL	dB(A)	73
VIBRATION	mm/s	0,5

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

VALIADIS S.A.	**SCALE**	N/A		
	DATE		**REV**	
K180L-6	**DRAWN**		**DOCUMENT NO.**	
15 kW	**APPRVD**			
400 VOLTS 50 Hz	**CHECKED**			

PERFORMANCE