

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	37 KW	1484 RPM
K225S-4 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
93,3 EFFICIENCY	65,6 AMPS	55 IP	IC411 IC
4 POLE	S1 DUTY	0,880 PF	92,7 IE2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,1715
NO LOAD CURRENT	AMP	27,23
NO LOAD INPUT	W	1195,2
CORE LOSS(Pfe)	W	852,2
WINDAGE FRICTION LOSS(Pfw)	W	223,7
STATOR WINDING LOSS(Pcu1)	W	740,3
ROTOR WINDING LOSS(Pcu2)	W	403,0
STRAY LOAD LOSS(Ps)	W	434,8
FULL LOAD CURRENT	AMP	65,07
LOCKED ROTOR CURRENT	AMP	493,50
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	7,5
LOCKED ROTOR INPUT @ FULL LOAD	kW	153,09
FULL LOAD TORQUE	N.m	238,21
LOCKED ROTOR TORQUE	N.m	561,55
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,35
PULL OUT TORQUE	N.m	706,7
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,96
EFFICIENCY @ FULL LOAD	%	93,3
EFFICIENCY @ 75% LOAD	%	93,3
POWER FACTOR @ FULL LOAD		0,88
FULL LOAD SLIP	%	1,059
FULL LOAD SPEED	r/min	1484
STATOR WINDING TEMPERATURE RISE	K	74
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	55,6
SOUND POWER LEVEL	dB(A)	77
VIBRATION	mm/s	1,8

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

VALIADIS S.A. K225S-4 37 kW 400 VOLTS 50 Hz	SCALE	N/A		
	DATE		REV	
	DRAWN		DOCUMENT NO.	
	APPRVD			
	CHECKED			