

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	18,5 KW	985 RPM
K200L-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
91,4 EFFICIENCY	35,9 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0,816 PF	90,4 IE2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,4138
NO LOAD CURRENT	AMP	16,94
NO LOAD INPUT	W	914,1
CORE LOSS(Pfe)	W	642,2
WINDAGE FRICTION LOSS(Pfw)	W	160,1
STATOR WINDING LOSS(Pcu1)	W	512,1
ROTOR WINDING LOSS(Pcu2)	W	292,3
STRAY LOAD LOSS(Ps)	W	141,9
FULL LOAD CURRENT	AMP	35,82
LOCKED ROTOR CURRENT	AMP	273,2
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	7,6
LOCKED ROTOR INPUT @ FULL LOAD	kW	78,60
FULL LOAD TORQUE	N.m	179,52
LOCKED ROTOR TORQUE	N.m	448,94
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,49
PULL OUT TORQUE	N.m	552,8
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	3,06
EFFICIENCY @ FULL LOAD	%	91,4
EFFICIENCY @ 75% LOAD	%	91,0
POWER FACTOR @ FULL LOAD		0,82
FULL LOAD SLIP	%	1,531
FULL LOAD SPEED	r/min	985
STATOR WINDING TEMPERATURE RISE	K	49
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	57,5
SOUND POWER LEVEL	dB(A)	73
VIBRATION	mm/s	0,9

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

VALIADIS S.A. K200L-6 18,5 kW 400 VOLTS 50 Hz	SCALE	N/A		
	DATE		REV	
	DRAWN		DOCUMENT NO.	
	APPRVD			
	CHECKED			