

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	30 KW	1478 RPM
K200L-4 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
92,7 EFFICIENCY	54,8 AMPS	55 IP	IC411 IC
2 POLE	S1 DUTY	0,852 PF	92,3 IE2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,2017
NO LOAD CURRENT	AMP	27,95
NO LOAD INPUT	W	1183,6
CORE LOSS(Pfe)	W	877,7
WINDAGE FRICTION LOSS(Pfw)	W	155,9
STATOR WINDING LOSS(Pcu1)	W	621,3
ROTOR WINDING LOSS(Pcu2)	W	447,5
STRAY LOAD LOSS(Ps)	W	246,7
FULL LOAD CURRENT	AMP	54,81
LOCKED ROTOR CURRENT	AMP	392,05
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	7,2
LOCKED ROTOR INPUT @ FULL LOAD	kW	126,05
FULL LOAD TORQUE	N.m	193,91
LOCKED ROTOR TORQUE	N.m	441,32
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,27
PULL OUT TORQUE	N.m	586,9
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	3,02
EFFICIENCY @ FULL LOAD	%	92,7
EFFICIENCY @ 75% LOAD	%	92,4
POWER FACTOR @ FULL LOAD		0,85
FULL LOAD SLIP	%	1,450
FULL LOAD SPEED	r/min	1478
STATOR WINDING TEMPERATURE RISE	K	62
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	62,5
SOUND POWER LEVEL	dB(A)	76
VIBRATION	mm/s	1,0

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

VALIADIS S.A. K200L-4 30 kW 400 VOLTS 50 Hz	SCALE	N/A		
	DATE		REV	
	DRAWN		DOCUMENT NO.	
	APPRVD			
	CHECKED			