

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	110 KW	990 RPM
K315L-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
94,7 EFFICIENCY	194,6 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0,862 PF	94,30 EFF(IE2)
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,0523
NO LOAD CURRENT	AMP	73,98
NO LOAD INPUT	kW	2,386
CORE LOSS(Pfe)	kW	1,578
WINDAGE FRICTION LOSS(Pfw)	kW	0,550
STATOR WINDING LOSS(Pcu1)	kW	1,982
ROTOR WINDING LOSS(Pcu2)	kW	1,082
STRAY LOAD LOSS(Ps)	kW	1,045
FULL LOAD CURRENT	AMP	194,6
LOCKED ROTOR CURRENT	AMP	1212,2
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	6,2
FULL LOAD TORQUE	N.m	1061,2
LOCKED ROTOR TORQUE	N.m	2355,9
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,22
PULL OUT TORQUE	N.m	2791,1
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,63
EFFICIENCY @ FULL LOAD	%	94,6
EFFICIENCY @75% LOAD	%	95,3
POWER FACTOR @ FULL LOAD		0,86
FULL LOAD SLIP	%	0,96
FULL LOAD SPEED	r/min	990
STATOR WINDING TEMPERATURE RISE	K	71
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	64,2
SOUND POWER LEVEL	dB(A)	78
VIBRATION	mm/s	1,9

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

VALIADIS S.A. K315L-6 110 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		