

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	315 KW	2981 RPM
K355L-2 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
95,8 EFFICIENCY	507,2 AMPS	55 IP	IC411 IC
2 POLE	S1 DUTY	0,936 PF	95,0 EFF(IE2)
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,0079
NO LOAD CURRENT	AMP	87,34
NO LOAD INPUT	kW	7,441
CORE LOSS(Pfe)	kW	2,687
WINDAGE FRICTION LOSS(Pfw)	kW	4,700
STATOR WINDING LOSS(Pcu1)	kW	2,042
ROTOR WINDING LOSS(Pcu2)	kW	2,042
STRAY LOAD LOSS(Ps)	kW	2,363
FULL LOAD CURRENT	AMP	507,2
LOCKED ROTOR CURRENT	AMP	2952,0
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	5,8
FULL LOAD TORQUE	N.m	1009,6
LOCKED ROTOR TORQUE	N.m	1696,2
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	1,68
PULL OUT TORQUE	N.m	2594,8
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,57
EFFICIENCY @ FULL LOAD	%	95,8
EFFICIENCY @ 75% LOAD	%	95,8
POWER FACTOR @ FULL LOAD		0,94
FULL LOAD SLIP	%	0,63
FULL LOAD SPEED	r/min	2981
STATOR WINDING TEMPERATURE RISE	K	52
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	47,5
SOUND POWER LEVEL	dB(A)	92
VIBRATION	mm/s	2,0

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

VALIADIS S.A. K355L-2 315 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		