

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	250 KW	989 RPM
K355L-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
95,3 EFFICIENCY	414,2 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0,914 PF	95,00 EFF(IE2)
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,0175
NO LOAD CURRENT	AMP	87,61
NO LOAD INPUT	kW	4,801
CORE LOSS(Pfe)	kW	2,880
WINDAGE FRICTION LOSS(Pfw)	kW	1,800
STATOR WINDING LOSS(Pcu1)	kW	2,996
ROTOR WINDING LOSS(Pcu2)	kW	2,821
STRAY LOAD LOSS(Ps)	kW	1,875
FULL LOAD CURRENT	AMP	414,2
LOCKED ROTOR CURRENT	AMP	2327,7
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	5,6
FULL LOAD TORQUE	N.m	2415,3
LOCKED ROTOR TORQUE	N.m	4178,5
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	1,73
PULL OUT TORQUE	N.m	5313,7
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,20
EFFICIENCY @ FULL LOAD	%	95,3
EFFICIENCY @ 75% LOAD	%	95,4
POWER FACTOR @ FULL LOAD		0,91
FULL LOAD SLIP	%	1,10
FULL LOAD SPEED	r/min	989
STATOR WINDING TEMPERATURE RISE	K	65
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	63,2
SOUND POWER LEVEL	dB(A)	81
VIBRATION	mm/s	2,1

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

VALIADIS S.A. K355L-6 250 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		