

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	250 KW	2982 RPM
K355M-2 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
95,4 EFFICIENCY	404,2 AMPS	55 IP	IC411 IC
2 POLE	S1 DUTY	0,936 PF	95,00 EFF(IE2)
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,0103
NO LOAD CURRENT	AMP	79,58
NO LOAD INPUT	kW	7,097
CORE LOSS(Pfe)	kW	2,339
WINDAGE FRICTION LOSS(Pfw)	kW	4,700
STATOR WINDING LOSS(Pcu1)	kW	1,678
ROTOR WINDING LOSS(Pcu2)	kW	1,575
STRAY LOAD LOSS(Ps)	kW	1,875
FULL LOAD CURRENT	AMP	404,2
LOCKED ROTOR CURRENT	AMP	2465,3
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	6,1
FULL LOAD TORQUE	N.m	801,1
LOCKED ROTOR TORQUE	N.m	1353,9
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	1,69
PULL OUT TORQUE	N.m	2179,1
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,72
EFFICIENCY @ FULL LOAD	%	95,4
EFFICIENCY @ 75% LOAD	%	95,1
POWER FACTOR @ FULL LOAD		0,94
FULL LOAD SLIP	%	0,61
FULL LOAD SPEED	r/min	2982
STATOR WINDING TEMPERATURE RISE	K	56
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	60,3
SOUND POWER LEVEL	dB(A)	91
VIBRATION	mm/s	1,9

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

VALIADIS S.A. K355M-2 250 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		