

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	200 KW	990 RPM
K355M-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
95,2 EFFICIENCY	331,5 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0,915 PF	95,0 EFF(IE2)
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,0201
NO LOAD CURRENT	AMP	79,02
NO LOAD INPUT	kW	4,497
CORE LOSS(Pfe)	kW	2,585
WINDAGE FRICTION LOSS(Pfw)	kW	1,800
STATOR WINDING LOSS(Pcu1)	kW	2,204
ROTOR WINDING LOSS(Pcu2)	kW	2,012
STRAY LOAD LOSS(Ps)	kW	1,500
FULL LOAD CURRENT	AMP	331,5
LOCKED ROTOR CURRENT	AMP	2081,9
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	6,3
FULL LOAD TORQUE	N.m	1929,9
LOCKED ROTOR TORQUE	N.m	3686,1
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	1,9
PULL OUT TORQUE	N.m	4766,9
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,47
EFFICIENCY @ FULL LOAD	%	95,2
EFFICIENCY @ 75% LOAD	%	95,3
POWER FACTOR @ FULL LOAD		0,91
FULL LOAD SLIP	%	0,98
FULL LOAD SPEED	r/min	990
STATOR WINDING TEMPERATURE RISE	K	58
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	52,4
SOUND POWER LEVEL	dB(A)	78
VIBRATION	mm/s	2,0

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

VALIADIS S.A. K355M-6 200 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		