

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	55 KW	1484 RPM
K250M-4 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
94,1 EFFICIENCY	97,0 AMPS	55 IP	IC411 IC
4 POLE	S1 DUTY	0,869 PF	93,5 IE2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,0876
NO LOAD CURRENT	AMP	38,22
NO LOAD INPUT	W	1694,8
CORE LOSS(Pfe)	W	1201,8
WINDAGE FRICTION LOSS(Pfw)	W	370,3
STATOR WINDING LOSS(Pcu1)	W	809,9
ROTOR WINDING LOSS(Pcu2)	W	611,9
STRAY LOAD LOSS(Ps)	W	466,5
FULL LOAD CURRENT	AMP	97,07
LOCKED ROTOR CURRENT	AMP	665,71
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	6,9
LOCKED ROTOR INPUT @ FULL LOAD	kW	200,30
FULL LOAD TORQUE	N.m	354,19
LOCKED ROTOR TORQUE	N.m	822,93
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,32
PULL OUT TORQUE	N.m	1006,4
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,83
EFFICIENCY @ FULL LOAD	%	94,1
EFFICIENCY @ 75% LOAD	%	94,0
POWER FACTOR @ FULL LOAD		0,87
FULL LOAD SLIP	%	1,084
FULL LOAD SPEED	r/min	1484
STATOR WINDING TEMPERATURE RISE	K	64
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	51,8
SOUND POWER LEVEL	dB(A)	81
VIBRATION	mm/s	1,7

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

VALIADIS S.A. K250M-4 55 kW 400 VOLTS 50 Hz	SCALE	N/A		
	DATE		REV	
	DRAWN		DOCUMENT NO.	
	APPRVD			
	CHECKED			