

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	55 KW	2976 RPM
K250M-2 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
94,1 EFFICIENCY	93,1 AMPS	55 IP	IC411 IC
2 POLE	S1 DUTY	0,903 PF	93,2 IE2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,0818
NO LOAD CURRENT	AMP	30,87
NO LOAD INPUT	W	1791,9
CORE LOSS(Pfe)	W	1027,0
WINDAGE FRICTION LOSS(Pfw)	W	694,5
STATOR WINDING LOSS(Pcu1)	W	703,3
ROTOR WINDING LOSS(Pcu2)	W	447,3
STRAY LOAD LOSS(Ps)	W	561,5
FULL LOAD CURRENT	AMP	93,42
LOCKED ROTOR CURRENT	AMP	704,23
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	7,6
LOCKED ROTOR INPUT @ FULL LOAD	kW	201,58
FULL LOAD TORQUE	N.m	176,57
LOCKED ROTOR TORQUE	N.m	383,15
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,17
PULL OUT TORQUE	N.m	521,8
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,95
EFFICIENCY @ FULL LOAD	%	94,1
EFFICIENCY @ 75% LOAD	%	93,8
POWER FACTOR @ FULL LOAD		0,90
FULL LOAD SLIP	%	0,789
FULL LOAD SPEED	r/min	2976
STATOR WINDING TEMPERATURE RISE	K	61
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	43,9
SOUND POWER LEVEL	dB(A)	90
VIBRATION	mm/s	1,5

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

VALIADIS S.A.	SCALE	N/A		
	DATE		REV	
K250M-2	DRAWN		DOCUMENT NO.	
55 kW	APPRVD			