

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	45 KW	1483 RPM
K225M-4 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
93,6 EFFICIENCY	79,7 AMPS	55 IP	IC411 IC
4 POLE	S1 DUTY	0,834 PF	93,1 IE2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,1310
NO LOAD CURRENT	AMP	34,53
NO LOAD INPUT	W	1390,9
CORE LOSS(Pfe)	W	990,0
WINDAGE FRICTION LOSS(Pfw)	W	256,8
STATOR WINDING LOSS(Pcu1)	W	912,8
ROTOR WINDING LOSS(Pcu2)	W	512,3
STRAY LOAD LOSS(Ps)	W	392,2
FULL LOAD CURRENT	AMP	83,15
LOCKED ROTOR CURRENT	AMP	589,65
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	7,4
LOCKED ROTOR INPUT @ FULL LOAD	kW	195,27
FULL LOAD TORQUE	N.m	289,87
LOCKED ROTOR TORQUE	N.m	713,79
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,46
PULL OUT TORQUE	N.m	896,1
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	3,08
EFFICIENCY @ FULL LOAD	%	93,6
EFFICIENCY @ 75% LOAD	%	93,5
POWER FACTOR @ FULL LOAD		0,83
FULL LOAD SLIP	%	1,110
FULL LOAD SPEED	r/min	1483
STATOR WINDING TEMPERATURE RISE	K	68
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	55,3
SOUND POWER LEVEL	dB(A)	76
VIBRATION	mm/s	1,5

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

VALIADIS S.A. K225M-4 45 kW 400 VOLTS 50 Hz	SCALE	N/A		
	DATE		REV	
	DRAWN		DOCUMENT NO.	
	APPRVD			
	CHECKED			