

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	30 KW	986 RPM
K225M-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
92,1 EFFICIENCY	55,8 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0,794 PF	91,7 IE2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,2784
NO LOAD CURRENT	AMP	27,39
NO LOAD INPUT	W	1115,0
CORE LOSS(Pfe)	W	795,8
WINDAGE FRICTION LOSS(Pfw)	W	121,9
STATOR WINDING LOSS(Pcu1)	W	968,5
ROTOR WINDING LOSS(Pcu2)	W	445,7
STRAY LOAD LOSS(Ps)	W	258,1
FULL LOAD CURRENT	AMP	58,98
LOCKED ROTOR CURRENT	AMP	401,04
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	7,2
LOCKED ROTOR INPUT @ FULL LOAD	kW	111,17
FULL LOAD TORQUE	N.m	291,00
LOCKED ROTOR TORQUE	N.m	675,78
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,32
PULL OUT TORQUE	N.m	790,1
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,72
EFFICIENCY @ FULL LOAD	%	92,1
EFFICIENCY @ 75% LOAD	%	92,2
POWER FACTOR @ FULL LOAD		0,79
FULL LOAD SLIP	%	1,446
FULL LOAD SPEED	r/min	986
STATOR WINDING TEMPERATURE RISE	K	76
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	68,2
SOUND POWER LEVEL	dB(A)	73
VIBRATION	mm/s	0,6

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

VALIADIS S.A. K225M-6 30 kW 400 VOLTS 50 Hz	SCALE	N/A		
	DATE		REV	
	DRAWN		DOCUMENT NO.	
	APPRVD			
	CHECKED			