

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	7,5 KW	971 RPM
K160M-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
89,0 EFFICIENCY	14,7 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0,797 PF	87,2 IE2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	1,5535
NO LOAD CURRENT	AMP	7,40
NO LOAD INPUT	W	345,0
CORE LOSS(Pfe)	W	238,1
WINDAGE FRICTION LOSS(Pfw)	W	30,3
STATOR WINDING LOSS(Pcu1)	W	331,1
ROTOR WINDING LOSS(Pcu2)	W	231,0
STRAY LOAD LOSS(Ps)	W	91,4
FULL LOAD CURRENT	AMP	15,26
LOCKED ROTOR CURRENT	AMP	98,96
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	6,7
LOCKED ROTOR INPUT @ FULL LOAD	kW	30,63
FULL LOAD TORQUE	N.m	73,83
LOCKED ROTOR TORQUE	N.m	160,29
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,17
PULL OUT TORQUE	N.m	219,7
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,97
EFFICIENCY @ FULL LOAD	%	89,0
EFFICIENCY @ 75% LOAD	%	89,5
POWER FACTOR @ FULL LOAD		0,80
FULL LOAD SLIP	%	2,941
FULL LOAD SPEED	r/min	971
STATOR WINDING TEMPERATURE RISE	K	46
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	51,6
SOUND POWER LEVEL	dB(A)	68
VIBRATION	mm/s	0,4

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

VALIADIS S.A.		SCALE	N/A		
		DATE		REV	
K160M-6 7,5 kW		DRAWN		DOCUMENT NO.	
		APPRVD			
		CHECKED			
400	VOLTS	50	Hz		