

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	11 KW	972 RPM
K160L-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
89,3 EFFICIENCY	21,2 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0,800 PF	88,70 IE2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,9951
NO LOAD CURRENT	AMP	10,54
NO LOAD INPUT	W	496,9
CORE LOSS(Pfe)	W	354,0
WINDAGE FRICTION LOSS(Pfw)	W	40,6
STATOR WINDING LOSS(Pcu1)	W	492,2
ROTOR WINDING LOSS(Pcu2)	W	323,5
STRAY LOAD LOSS(Ps)	W	107,3
FULL LOAD CURRENT	AMP	22,30
LOCKED ROTOR CURRENT	AMP	142,00
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	6,7
LOCKED ROTOR INPUT @ FULL LOAD	kW	42,61
FULL LOAD TORQUE	N.m	108,20
LOCKED ROTOR TORQUE	N.m	230,30
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,13
PULL OUT TORQUE	N.m	280,9
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,59
EFFICIENCY @ FULL LOAD	%	89,3
EFFICIENCY @ 75% LOAD	%	89,7
POWER FACTOR @ FULL LOAD		0,80
FULL LOAD SLIP	%	2,820
FULL LOAD SPEED	r/min	972
STATOR WINDING TEMPERATURE RISE	K	66
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	63,1
SOUND POWER LEVEL	dB(A)	70
VIBRATION	mm/s	1,1

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

VALIADIS S.A.				SCALE	N/A		
				DATE		REV	
K160L-6 11 kW				DRAWN		DOCUMENT NO.	
				APPRVD			
				CHECKED			
400	VOLTS	50	Hz				