

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	22 KW	1473 RPM
K180L-4 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
92,4 EFFICIENCY	38,4 AMPS	55 IP	IC411 IC
4 POLE	S1 DUTY	0,869 PF	91,6 IE2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,3622
NO LOAD CURRENT	AMP	14,21
NO LOAD INPUT	W	721,5
CORE LOSS(Pfe)	W	533,6
WINDAGE FRICTION LOSS(Pfw)	W	122,1
STATOR WINDING LOSS(Pcu1)	W	539,3
ROTOR WINDING LOSS(Pcu2)	W	413,2
STRAY LOAD LOSS(Ps)	W	197,1
FULL LOAD CURRENT	AMP	39,52
LOCKED ROTOR CURRENT	AMP	317,39
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	8,3
LOCKED ROTOR INPUT @ FULL LOAD	kW	85,50
FULL LOAD TORQUE	N.m	142,73
LOCKED ROTOR TORQUE	N.m	318,96
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,23
PULL OUT TORQUE	N.m	418,5
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,93
EFFICIENCY @ FULL LOAD	%	92,4
EFFICIENCY @ 75% LOAD	%	92,6
POWER FACTOR @ FULL LOAD		0,87
FULL LOAD SLIP	%	1,818
FULL LOAD SPEED	r/min	1473
STATOR WINDING TEMPERATURE RISE	K	55
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	52,1
SOUND POWER LEVEL	dB(A)	70
VIBRATION	mm/s	1,0

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

VALIADIS S.A.	SCALE	N/A		
	DATE		REV	
	K180L-4	DRAWN		DOCUMENT NO.
	22 kW	APPRVD		