

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	22 KW	2955 RPM
K180M-2 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
92,1 EFFICIENCY	37,1 AMPS	55 IP	IC411 IC
2 POLE	S1 DUTY	0,922 PF	91,3 IE2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,3520
NO LOAD CURRENT	AMP	11,79
NO LOAD INPUT	W	825,4
CORE LOSS(Pfe)	W	474,5
WINDAGE FRICTION LOSS(Pfw)	W	306,2
STATOR WINDING LOSS(Pcu1)	W	492,8
ROTOR WINDING LOSS(Pcu2)	W	341,3
STRAY LOAD LOSS(Ps)	W	278,2
FULL LOAD CURRENT	AMP	37,39
LOCKED ROTOR CURRENT	AMP	296,21
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	8,0
LOCKED ROTOR INPUT @ FULL LOAD	kW	111,77
FULL LOAD TORQUE	N.m	71,13
LOCKED ROTOR TORQUE	N.m	183,81
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,58
PULL OUT TORQUE	N.m	225,2
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	3,17
EFFICIENCY @ FULL LOAD	%	92,1
EFFICIENCY @ 75% LOAD	%	92,1
POWER FACTOR @ FULL LOAD		0,92
FULL LOAD SLIP	%	1,489
FULL LOAD SPEED	r/min	2955
STATOR WINDING TEMPERATURE RISE	K	68
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	44,0
SOUND POWER LEVEL	dB(A)	74
VIBRATION	mm/s	0,7

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

VALIADIS S.A. K180M-2 22 kW 400 VOLTS 50 Hz	SCALE	N/A		
	DATE		REV	
	DRAWN		DOCUMENT NO.	
	APPRVD			
	CHECKED			