

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	55 KW	991 RPM
K280M-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
93,6 EFFICIENCY	98,7 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0,842 PF	93,1 IE2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,1079
NO LOAD CURRENT	AMP	47,50
NO LOAD INPUT	W	2065,0
CORE LOSS(Pfe)	W	1610,1
WINDAGE FRICTION LOSS(Pfw)	W	219,3
STATOR WINDING LOSS(Pcu1)	W	1098,9
ROTOR WINDING LOSS(Pcu2)	W	492,1
STRAY LOAD LOSS(Ps)	W	288,5
FULL LOAD CURRENT	AMP	100,78
LOCKED ROTOR CURRENT	AMP	723,83
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	7,3
LOCKED ROTOR INPUT @ FULL LOAD	kW	195,86
FULL LOAD TORQUE	N.m	530,18
LOCKED ROTOR TORQUE	N.m	1116,58
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,10
PULL OUT TORQUE	N.m	1663,9
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	3,13
EFFICIENCY @ FULL LOAD	%	93,6
EFFICIENCY @ 75% LOAD	%	93,2
POWER FACTOR @ FULL LOAD		0,84
FULL LOAD SLIP	%	0,878
FULL LOAD SPEED	r/min	991
STATOR WINDING TEMPERATURE RISE	K	62
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	68,7
SOUND POWER LEVEL	dB(A)	76
VIBRATION	mm/s	1,2

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

VALIADIS S.A. K280M-6 55 kW 400 VOLTS 50 Hz	SCALE	N/A		
	DATE		REV	
	DRAWN		DOCUMENT NO.	
	APPRVD			
	CHECKED			