

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	90 KW	2979 RPM
K280M-2 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
94,7 EFFICIENCY	149,3 AMPS	55 IP	IC411 IC
2 POLE	S1 DUTY	0,898 PF	94,1 IE2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,0473
NO LOAD CURRENT	AMP	42,37
NO LOAD INPUT	W	2978,2
CORE LOSS(Pfe)	W	1294,8
WINDAGE FRICTION LOSS(Pfw)	W	1603,9
STATOR WINDING LOSS(Pcu1)	W	1079,1
ROTOR WINDING LOSS(Pcu2)	W	637,6
STRAY LOAD LOSS(Ps)	W	418,9
FULL LOAD CURRENT	AMP	152,82
LOCKED ROTOR CURRENT	AMP	1031,29
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	6,9
LOCKED ROTOR INPUT @ FULL LOAD	kW	373,77
FULL LOAD TORQUE	N.m	288,64
LOCKED ROTOR TORQUE	N.m	640,18
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,21
PULL OUT TORQUE	N.m	793,9
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,75
EFFICIENCY @ FULL LOAD	%	94,7
EFFICIENCY @ 75% LOAD	%	94,3
POWER FACTOR @ FULL LOAD		0,90
FULL LOAD SLIP	%	0,688
FULL LOAD SPEED	r/min	2979
STATOR WINDING TEMPERATURE RISE	K	63
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	47,7
SOUND POWER LEVEL	dB(A)	87
VIBRATION	mm/s	1,8

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

VALIADIS S.A.		SCALE	N/A		
		DATE		REV	
K280M-2 90 kW		DRAWN		DOCUMENT NO.	
		APPRVD			
		CHECKED			
400	VOLTS	50	Hz		