

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	55 KW	2970 RPM
K225M-2 FRAME REDUCED	3 PHASE	400 VOLTS	50 HZ / CYCLES
93,7 EFFICIENCY	92,5 AMPS	55 IP	IC
2 POLE	S1 DUTY	0,916 PF	N/A EFF2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE	
STATOR RESISTANCE OF PHASE TO PHASE	90 DEG.C	OHM	0,0789
NO LOAD CURRENT		AMP	28,77
NO LOAD INPUT		kW	1,882
CORE LOSS(Pfe)		kW	0,693
WINDAGE FRICTION LOSS(Pfw)		kW	1,100
STATOR WINDING LOSS(Pcu1)		kW	1,012
ROTOR WINDING LOSS(Pcu2)		kW	0,570
STRAY LOAD LOSS(Ps)		kW	0,293
FULL LOAD CURRENT		AMP	92,47
LOCKED ROTOR CURRENT		AMP	593,66
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	6,4
FULL LOAD TORQUE		N.m	176,94
LOCKED ROTOR TORQUE		N.m	359,20
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	2,03
PULL OUT TORQUE		N.m	546,8
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	3,09
EFFICIENCY @ FULL LOAD		%	93,747
POWER FACTOR @ FULL LOAD			0,916
FULL LOAD SLIP		%	1,000
FULL LOAD SPEED		r/min	2970
STATOR WINDING TEMPERATURE RISE	90 SECS	K	58
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	60,7
AMBIENT TEMPERATURE OF TESTING		Deg. C	20,5
SOUND PRESSURE LEVEL		dB(A)	86
VIBRATION		mm/s	1,3

The data above is calculated as per IEC 34-2,all data at nominal Volts.

VALIADIS S.A.		SCALE	N/A	
		DATE		REV
K225M-2 55 kW		DRAWN		DOCUMENT NO.
		APPRVD		
400	VOLTS	50	Hz	
		CHECKED		