

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA		IEC TYPE	75 KW	2972 RPM
K250M-2 FRAME REDUCED		3 PHASE	400 VOLTS	50 HZ / CYCLES
94,3 EFFICIENCY		124,3 AMPS	55 IP	IC
2 POLE		S1 DUTY	0,924 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	0,0415
NO LOAD CURRENT			AMP	35,98
NO LOAD INPUT			kW	2,545
CORE LOSS(Pfe)			kW	0,972
WINDAGE FRICTION LOSS(Pfw)			kW	1,500
STATOR WINDING LOSS(Pcu1)			kW	0,962
ROTOR WINDING LOSS(Pcu2)			kW	0,714
STRAY LOAD LOSS(Ps)			kW	0,398
FULL LOAD CURRENT			AMP	124,25
LOCKED ROTOR CURRENT			AMP	838,69
LOCKED ROTOR CURRENT/FULL LOAD CURRENT			P.U.	6,8
FULL LOAD TORQUE			N.m	241,09
LOCKED ROTOR TORQUE			N.m	537,64
LOCKED ROTOR TORQUE/FULL LOAD TORQUE			P.U.	2,23
PULL OUT TORQUE			N.m	771,5
PULL OUT TORQUE/FULL LOAD TORQUE			P.U.	3,20
EFFICIENCY @ FULL LOAD			%	94,285
POWER FACTOR @ FULL LOAD				0,924
FULL LOAD SLIP			%	0,920
FULL LOAD SPEED			r/min	2972
STATOR WINDING TEMPERATURE RISE		90 SECS	K	54
D.E. BEARINGS TEMPERATURE BY PT100			Deg. C	58,7
AMBIENT TEMPERATURE OF TESTING			Deg. C	21,4
SOUND PRESSURE LEVEL			dB(A)	87
VIBRATION			mm/s	1,4
The data above is calculated as per IEC 34-2,all data at nominal Volts.				
VALIADIS S.A.			SCALE	N/A
K250M-2			DATE	REV
75 kW			DRAWN	DOCUMENT NO.
400 VOLTS 50 Hz			APPRVD	
			CHECKED	