

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA		IEC TYPE	37 KW	2967 RPM		
K200L-2 FRAME		3 PHASE	400 VOLTS	50 HZ / CYCLES		
93,4 EFFICIENCY		64,0 AMPS	55 IP	IC411 IC		
2 POLE		S1 DUTY	0,893 PF	92,5 IE2		
VALIADIS MANUFACTURER		SERIAL NO.	F INS.CLASS	DELTA CONNECTION		
MAJOR CONTENTS			UNIT	TEST VALUE		
STATOR RESISTANCE OF PHASE			OHM	0,1725		
NO LOAD CURRENT			AMP	25,26		
NO LOAD INPUT			W	1324,2		
CORE LOSS(Pfe)			W	888,6		
WINDAGE FRICTION LOSS(Pfw)			W	347,4		
STATOR WINDING LOSS(Pcu1)			W	707,2		
ROTOR WINDING LOSS(Pcu2)			W	424,5		
STRAY LOAD LOSS(Ps)			W	251,8		
FULL LOAD CURRENT			AMP	64,03		
LOCKED ROTOR CURRENT			AMP	514,35		
LOCKED ROTOR CURRENT/FULL LOAD CURRENT			P.U.	8,0		
LOCKED ROTOR INPUT @ FULL LOAD			kW	125,69		
FULL LOAD TORQUE			N.m	119,18		
LOCKED ROTOR TORQUE			N.m	284,70		
LOCKED ROTOR TORQUE/FULL LOAD TORQUE			P.U.	2,39		
PULL OUT TORQUE			N.m	475,8		
PULL OUT TORQUE/FULL LOAD TORQUE			P.U.	3,99		
EFFICIENCY @ FULL LOAD			%	93,4		
EFFICIENCY @ 75% LOAD			%	93,1		
POWER FACTOR @ FULL LOAD				0,89		
FULL LOAD SLIP			%	1,117		
FULL LOAD SPEED			r/min	2967		
STATOR WINDING TEMPERATURE RISE			K	71		
D.E. BEARINGS TEMPERATURE BY PT100			Deg. C	52,1		
SOUND POWER LEVEL			dB(A)	84		
VIBRATION			mm/s	1,3		
standard methods for determining losses ang efficiency from tests: pu determined from residuac loss(IEC60034-2)						
VALIADIS S.A.			SCALE	N/A		
			DATE		REV	
			DRAWN		DOCUMENT NO.	
			APPRVD			
400	VOLTS	50	Hz	CHECKED		