

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA		IEC TYPE	1,5 KW	1425 RPM		
K90L-4 FRAME		3 PHASE	400 VOLTS	50 HZ / CYCLES		
83,1 EFFICIENCY		3,1 AMPS	55 IP	IC411 IC		
4 POLE		S1 DUTY	0,837 PF	82,80 EFF(IE2)		
VALIADIS MANUFACTURER		SERIAL NO.	F INS.CLASS	STAR CONNECTION		
MAJOR CONTENTS		UNIT	TEST VALUE			
STATOR RESISTANCE OF PHASE TO PHASE		90 DEG.C	OHM	7,0670		
NO LOAD CURRENT			AMP	1,61		
NO LOAD INPUT			kW	0,117		
CORE LOSS(Pfe)			kW	0,076		
WINDAGE FRICTION LOSS(Pfw)			kW	0,016		
STATOR WINDING LOSS(Pcu1)			kW	0,103		
ROTOR WINDING LOSS(Pcu2)			kW	0,081		
STRAY LOAD LOSS(Ps)			kW	0,030		
FULL LOAD CURRENT			AMP	3,12		
LOCKED ROTOR CURRENT			AMP	17,69		
LOCKED ROTOR CURRENT/FULL LOAD CURRENT			P.U.	5,7		
FULL LOAD TORQUE			N.m	10,05		
LOCKED ROTOR TORQUE			N.m	23,53		
LOCKED ROTOR TORQUE/FULL LOAD TORQUE			P.U.	2,34		
PULL OUT TORQUE			N.m	25,1		
PULL OUT TORQUE/FULL LOAD TORQUE			P.U.	2,50		
EFFICIENCY @ FULL LOAD			%	83,057		
EFFICIENCY @ 75% LOAD			%	83,621		
POWER FACTOR @ FULL LOAD				0,836		
FULL LOAD SLIP			%	4,970		
FULL LOAD SPEED			r/min	1425		
STATOR WINDING TEMPERATURE RISE		90 SECS	K	50		
D.E. BEARINGS TEMPERATURE BY PT100			Deg. C	51,4		
SOUND POWER LEVEL			dB(A)	59		
VIBRATION			mm/s	0,3		
The data above is calculated as per IEC 34-2,all data at nominal Volts						
	VALIADIS S.A.		SCALE	N/A		
			DATE		REV	
	K90L-4 1,5 kW 400 VOLTS 50 Hz		DRAWN		DOCUMENT NO.	
			APPRVD			
			CHECKED			