

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA		IEC TYPE		1.5 KW		1400 RPM			
K90L-4 FRAME		3 PHASE		400 VOLTS		50 HZ / CYCLES			
79.0 EFFICIENCY		3.6 AMPS		55 IP		IC411 IC			
4 POLE		S1 DUTY		0.770 PF		N/A EFF2			
VALIADIS MANUFACTURER		SERIAL NO.		F INS.CLASS		STAR CONNECTION			
MAJOR CONTENTS				UNIT		TEST VALUE			
STATOR RESISTANCE OF PHASE TO PHASE		90	DEG.C		OHM		9.9950		
NO LOAD CURRENT				AMP		2.01			
NO LOAD INPUT				kW		0.137			
CORE LOSS(Pfe)				kW		0.077			
WINDAGE FRICTION LOSS(Pfw)				kW		0.013			
STATOR WINDING LOSS(Pcu1)				kW		0.191			
ROTOR WINDING LOSS(Pcu2)				kW		0.109			
STRAY LOAD LOSS(Ps)				kW		0.010			
FULL LOAD CURRENT				AMP		3.57			
LOCKED ROTOR CURRENT				AMP		20.21			
LOCKED ROTOR CURRENT/FULL LOAD CURRENT				P.U.		5.9			
FULL LOAD TORQUE				N.m		10.24			
LOCKED ROTOR TORQUE				N.m		32.30			
LOCKED ROTOR TORQUE/FULL LOAD TORQUE				P.U.		3.20			
PULL OUT TORQUE				N.m		26.6			
PULL OUT TORQUE/FULL LOAD TORQUE				P.U.		2.60			
EFFICIENCY @ FULL LOAD				%		79.0			
POWER FACTOR @ FULL LOAD						0.77			
FULL LOAD SLIP				%		6.676			
FULL LOAD SPEED				r/min		1400			
STATOR WINDING TEMPERATURE RISE		30	SECS		K		48.0		
D.E. BEARINGS TEMPERATURE BY PT100				Deg. C		42.3			
SOUND PRESSURE LEVEL				dB(A)		52			
VIBRATION				mm/s		0.5			
WEIGHT				kg		27			
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					