

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	1,1 KW	945 RPM
K90L-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
78,5 EFFICIENCY	2,7 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0,762 PF	78,10 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 13,1993
NO LOAD CURRENT		AMP 1,87
NO LOAD INPUT		kW 0,140
CORE LOSS(Pfe)		kW 0,068
WINDAGE FRICTION LOSS(Pfw)		kW 0,010
STATOR WINDING LOSS(Pcu1)		kW 0,139
ROTOR WINDING LOSS(Pcu2)		kW 0,067
STRAY LOAD LOSS(Ps)		kW 0,022
FULL LOAD CURRENT		AMP 2,65
LOCKED ROTOR CURRENT		AMP 12,06
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 4,6
FULL LOAD TORQUE		N.m 11,13
LOCKED ROTOR TORQUE		N.m 24,59
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2,21
PULL OUT TORQUE		N.m 28,4
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2,55
EFFICIENCY @ FULL LOAD		% 78,265
EFFICIENCY @ 75% LOAD		% 78,521
POWER FACTOR @ FULL LOAD		0,766
FULL LOAD SLIP		% 5,550
FULL LOAD SPEED		r/min 945
STATOR WINDING TEMPERATURE RISE	90 SECS	K 52
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 60,4
SOUND POWER LEVEL		dB(A) 68
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-6 1,1 kW 400 VOLTS 50 Hz		DRAWN		DOCUMENT NO.
		APPRVD		
		CHECKED		