

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	2,2 KW	2875 RPM
K90L-2 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
83,4 EFFICIENCY	4,2 AMPS	55 IP	IC411 IC
2 POLE	S1 DUTY	0,899 PF	83,20 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 6,7061
NO LOAD CURRENT		AMP 1,74
NO LOAD INPUT		kW 0,149
CORE LOSS(Pfe)		kW 0,088
WINDAGE FRICTION LOSS(Pfw)		kW 0,033
STATOR WINDING LOSS(Pcu1)		kW 0,180
ROTOR WINDING LOSS(Pcu2)		kW 0,099
STRAY LOAD LOSS(Ps)		kW 0,037
FULL LOAD CURRENT		AMP 4,23
LOCKED ROTOR CURRENT		AMP 28,17
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 6,7
FULL LOAD TORQUE		N.m 7,31
LOCKED ROTOR TORQUE		N.m 17,99
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2,46
PULL OUT TORQUE		N.m 19,6
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2,68
EFFICIENCY @ FULL LOAD		% 83,426
EFFICIENCY @ 75% LOAD		% 82,822
POWER FACTOR @ FULL LOAD		0,900
FULL LOAD SLIP		% 4,170
FULL LOAD SPEED		r/min 2875
STATOR WINDING TEMPERATURE RISE	90 SECS	K 58
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 56,3
SOUND POWER LEVEL		dB(A) 61
VIBRATION		mm/s 0,4

The data above is calculated as per IEC 34-2, all data at nominal Volts

VALIADIS S.A.		SCALE	N/A	
		DATE		REV
K90L-2 2,2 kW 400 VOLTS 50 Hz		DRAWN		DOCUMENT NO.
		APPRVD		
		CHECKED		