

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	3 KW	1442 RPM
K100L-4 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
85,5 EFFICIENCY	5,9 AMPS	55 IP	IC411 IC
4 POLE	S1 DUTY	0,866 PF	85,50 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 3,7177
NO LOAD CURRENT		AMP 2,76
NO LOAD INPUT		kW 0,182
CORE LOSS(Pfe)		kW 0,120
WINDAGE FRICTION LOSS(Pfw)		kW 0,024
STATOR WINDING LOSS(Pcu1)		kW 0,191
ROTOR WINDING LOSS(Pcu2)		kW 0,124
STRAY LOAD LOSS(Ps)		kW 0,051
FULL LOAD CURRENT		AMP 5,85
LOCKED ROTOR CURRENT		AMP 38,03
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 6,5
FULL LOAD TORQUE		N.m 19,88
LOCKED ROTOR TORQUE		N.m 49,70
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2,50
PULL OUT TORQUE		N.m 55,9
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2,81
EFFICIENCY @ FULL LOAD		% 85,475
EFFICIENCY @ 75% LOAD		% 84,862
POWER FACTOR @ FULL LOAD		0,866
FULL LOAD SLIP		% 3,870
FULL LOAD SPEED		r/min 1442
STATOR WINDING TEMPERATURE RISE	90 SECS	K 55
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 51,6
SOUND POWER LEVEL		dB(A) 58
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
K100L-4 3 kW 400 VOLTS 50 Hz		DRAWN		DOCUMENT NO.
		APPRVD		
		CHECKED		