

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	3 KW	2845 RPM
K100L-2 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
84.2 EFFICIENCY	5.9 AMPS	55 IP	IC411 IC
2 POLE	S1 DUTY	0.870 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 4.5170
NO LOAD CURRENT		AMP 2.167
NO LOAD INPUT		kW 0.168
CORE LOSS(Pfe)		kW 0.104
WINDAGE FRICTION LOSS(Pfw)		kW 0.037
STATOR WINDING LOSS(Pcu1)		kW 0.239
ROTOR WINDING LOSS(Pcu2)		kW 0.166
STRAY LOAD LOSS(Ps)		kW 0.018
FULL LOAD CURRENT		AMP 5.94
LOCKED ROTOR CURRENT		AMP 39.89
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 6.9
FULL LOAD TORQUE		N.m 10.08
LOCKED ROTOR TORQUE		N.m 28.70
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2.90
PULL OUT TORQUE		N.m 29.2
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2.90
EFFICIENCY @ FULL LOAD		% 84.20
POWER FACTOR @ FULL LOAD		0.870
FULL LOAD SLIP		% 5.164
FULL LOAD SPEED		r/min 2845
STATOR WINDING TEMPERATURE RISE	30 SECS	K 66
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 43.6
SOUND PRESSURE LEVEL		dB(A) 63
VIBRATION		mm/s 0.9
WEIGHT		kg 33

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

VALIADIS S.A. K100L-2 3 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		