

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	2.2 KW	2823 RPM
K90L-2 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
81.3 EFFICIENCY	4.6 AMPS	55 IP	IC411 IC
2 POLE	S1 DUTY	0.850 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 6.5690
NO LOAD CURRENT		AMP 1.93
NO LOAD INPUT		kW 0.175
CORE LOSS(Pfe)		kW 0.117
WINDAGE FRICTION LOSS(Pfw)		kW 0.029
STATOR WINDING LOSS(Pcu1)		kW 0.206
ROTOR WINDING LOSS(Pcu2)		kW 0.141
STRAY LOAD LOSS(Ps)		kW 0.018
FULL LOAD CURRENT		AMP 4.57
LOCKED ROTOR CURRENT		AMP 31.10
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 6.9
FULL LOAD TORQUE		N.m 7.45
LOCKED ROTOR TORQUE		N.m 24.61
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 3.40
PULL OUT TORQUE		N.m 21.6
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2.90
EFFICIENCY @ FULL LOAD		% 81.30
POWER FACTOR @ FULL LOAD		0.850
FULL LOAD SLIP		% 5.914
FULL LOAD SPEED		r/min 2823
STATOR WINDING TEMPERATURE RISE	30 SECS	K 60.0
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 47.3
SOUND PRESSURE LEVEL		dB(A) 62
VIBRATION		mm/s 1.2
WEIGHT		kg 25

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

VALIADIS S.A. K90L-2 2.2 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		