

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	0.37 KW	890 RPM
K80-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
61.2 EFFICIENCY	1.21 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0.719 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 55.389
NO LOAD CURRENT		AMP 0.73
NO LOAD INPUT		kW 0.102
CORE LOSS(Pfe)		kW 0.056
WINDAGE FRICTION LOSS(Pfw)		kW 0.006
STATOR WINDING LOSS(Pcu1)		kW 0.122
ROTOR WINDING LOSS(Pcu2)		kW 0.047
STRAY LOAD LOSS(Ps)		kW 0.003
FULL LOAD CURRENT		AMP 1.21
LOCKED ROTOR CURRENT		AMP 3.58
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 3.0
FULL LOAD TORQUE		N.m 3.97
LOCKED ROTOR TORQUE		N.m 8.34
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2.10
PULL OUT TORQUE		N.m 9.5
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2.38
EFFICIENCY @ FULL LOAD		% 61.22
POWER FACTOR @ FULL LOAD		0.719
FULL LOAD SLIP		% 10.980
FULL LOAD SPEED		r/min 890
STATOR WINDING TEMPERATURE RISE	30 SECS	K 65.0
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 49.9
SOUND PRESSURE LEVEL		dB(A) 45
VIBRATION		mm/s 0.5
WEIGHT		kg 17

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

	VALIADIS S.A.	SCALE	N/A	
		DATE		REV
	K80-6	DRAWN		DOCUMENT NO.
	0.37 kW	APPRVD		
	400 VOLTS 50 Hz	CHECKED		