

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	0.75 KW	1394 RPM
K80-4 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
74.6 EFFICIENCY	1.9 AMPS	55 IP	IC411 IC
4 POLE	S1 DUTY	0.750 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 21.5850
NO LOAD CURRENT		AMP 1.25
NO LOAD INPUT		kW 0.115
CORE LOSS(Pfe)		kW 5.141 0.062
WINDAGE FRICTION LOSS(Pfw)		kW 0.010
STATOR WINDING LOSS(Pcu1)		kW 0.121
ROTOR WINDING LOSS(Pcu2)		kW 0.058
STRAY LOAD LOSS(Ps)		kW 0.005
FULL LOAD CURRENT		AMP 1.93
LOCKED ROTOR CURRENT		AMP 9.27
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 4.9
FULL LOAD TORQUE		N.m 5.14
LOCKED ROTOR TORQUE		N.m 15.71
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 3.00
PULL OUT TORQUE		N.m 13.9
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2.70
EFFICIENCY @ FULL LOAD		% 74.6
POWER FACTOR @ FULL LOAD		0.75
FULL LOAD SLIP		% 7.036
FULL LOAD SPEED		r/min 1394
STATOR WINDING TEMPERATURE RISE	30 SECS	K 58.0
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 42.3
SOUND PRESSURE LEVEL		dB(A) 51
VIBRATION		mm/s 0.5
WEIGHT		kg 18

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

VALIADIS S.A. K80-4 0.75 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		