

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	1.1 KW	1387 RPM
K90S-4 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
76.2 EFFICIENCY	2.6 AMPS	55 IP	IC411 IC
4 POLE	S1 DUTY	0.800 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 16.6200
NO LOAD CURRENT		AMP 1.41
NO LOAD INPUT		kW 0.117
CORE LOSS(Pfe)		kW 0.065
WINDAGE FRICTION LOSS(Pfw)		kW 0.013
STATOR WINDING LOSS(Pcu1)		kW 0.167
ROTOR WINDING LOSS(Pcu2)		kW 0.091
STRAY LOAD LOSS(Ps)		kW 0.007
FULL LOAD CURRENT		AMP 2.59
LOCKED ROTOR CURRENT		AMP 13.58
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 5.4
FULL LOAD TORQUE		N.m 7.58
LOCKED ROTOR TORQUE		N.m 18.92
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2.50
PULL OUT TORQUE		N.m 18.9
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2.50
EFFICIENCY @ FULL LOAD		% 76.20
POWER FACTOR @ FULL LOAD		0.800
FULL LOAD SLIP		% 7.529
FULL LOAD SPEED		r/min 1387
STATOR WINDING TEMPERATURE RISE	30 SECS	K 57.0
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 45.0
SOUND PRESSURE LEVEL		dB(A) 55
VIBRATION		mm/s 0.7
WEIGHT		kg 22

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

VALIADIS S.A. K90S-4 1.1 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		