

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	5.5 KW	2900 RPM
K132S-2 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
86.1 EFFICIENCY	10.1 AMPS	55 IP	IC411 IC
2 POLE	S1 DUTY	0.911 PF	85.70 EFF2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE TO PHASE	90 DEG.C	OHM 1.6500
NO LOAD CURRENT		AMP 2.98
NO LOAD INPUT		kW 0.418
CORE LOSS(Pfe)		kW 0.253
WINDAGE FRICTION LOSS(Pfw)		kW 0.147
STATOR WINDING LOSS(Pcu1)		kW 0.254
ROTOR WINDING LOSS(Pcu2)		kW 0.195
STRAY LOAD LOSS(Ps)		kW 0.032
FULL LOAD CURRENT		AMP 10.12
LOCKED ROTOR CURRENT		AMP 73.48
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 7.3
FULL LOAD TORQUE		N.m 18.12
LOCKED ROTOR TORQUE		N.m 41.75
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2.30
PULL OUT TORQUE		N.m 51.6
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2.85
EFFICIENCY @ FULL LOAD		% 86.12
POWER FACTOR @ FULL LOAD		0.911
FULL LOAD SLIP		% 3.320
FULL LOAD SPEED		r/min 2900
STATOR WINDING TEMPERATURE RISE	30 SECS	K 55.0
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 56.9
SOUND PRESSURE LEVEL		dB(A) 69
VIBRATION		mm/s 1.5
WEIGHT		kg 66

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

VALIADIS S.A. K132S-2 5.5 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		