

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	1,5 kW	2878 RPM
K90S-2 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
82,2 EFFICIENCY	3,0 AMPS	55 IP	IC411 IC
2 POLE	S1 DUTY	0,891 PF	81,30 EFF(IE2)
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	STAR CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE TO PHASE	90 DEG.C	OHM 9,7815
NO LOAD CURRENT		AMP 1,33
NO LOAD INPUT		kW 0,125
CORE LOSS(Pfe)		kW 0,068
WINDAGE FRICTION LOSS(Pfw)		kW 0,033
STATOR WINDING LOSS(Pcu1)		kW 0,129
ROTOR WINDING LOSS(Pcu2)		kW 0,066
STRAY LOAD LOSS(Ps)		kW 0,030
FULL LOAD CURRENT		AMP 2,96
LOCKED ROTOR CURRENT		AMP 19,15
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 6,5
FULL LOAD TORQUE		N.m 4,98
LOCKED ROTOR TORQUE		N.m 11,75
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2,36
PULL OUT TORQUE		N.m 13,9
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2,80
EFFICIENCY @ FULL LOAD		% 82,133
EFFICIENCY @75% LOAD		% 81,723
POWER FACTOR @ FULL LOAD		0,891
FULL LOAD SLIP		% 4,080
FULL LOAD SPEED		r/min 2878
STATOR WINDING TEMPERATURE RISE	90 SECS	K 54
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 48,6
SOUND POWER LEVEL		dB(A) 64
VIBRATION		mm/s 0,2

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

VALIADIS S.A.		SCALE	N/A	
		DATE		REV
K90S-2 1,5 kW 400 VOLTS 50 Hz		DRAWN		DOCUMENT NO.
		APPRVD		
		CHECKED		