

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	1,1 KW	1424 RPM
K90S-4 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
81,8 EFFICIENCY	2,4 AMPS	55 IP	IC411 IC
4 POLE	S1 DUTY	0,823 PF	81,40 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	10,4762
NO LOAD CURRENT		AMP	1,32
NO LOAD INPUT		kW	0,101
CORE LOSS(Pfe)		kW	0,060
WINDAGE FRICTION LOSS(Pfw)		kW	0,016
STATOR WINDING LOSS(Pcu1)		kW	0,088
ROTOR WINDING LOSS(Pcu2)		kW	0,060
STRAY LOAD LOSS(Ps)		kW	0,022
FULL LOAD CURRENT		AMP	2,36
LOCKED ROTOR CURRENT		AMP	13,19
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	5,6
FULL LOAD TORQUE		N.m	7,38
LOCKED ROTOR TORQUE		N.m	18,00
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	2,44
PULL OUT TORQUE		N.m	18,7
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	2,53
EFFICIENCY @ FULL LOAD		%	81,733
EFFICIENCY @ 75% LOAD		%	82,416
POWER FACTOR @ FULL LOAD			0,823
FULL LOAD SLIP		%	5,040
FULL LOAD SPEED		r/min	1424
STATOR WINDING TEMPERATURE RISE	90 SECS	K	48
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	46,2
SOUND POWER LEVEL		dB(A)	57
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-4 1,1 kW 400 VOLTS 50 Hz		DRAWN		DOCUMENT NO.
		APPRVD		
		CHECKED		