

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	5,5 KW	1454 RPM
K132S-4 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
88,3 EFFICIENCY	10,2 AMPS	55 IP	IC411 IC
4 POLE	S1 DUTY	0,878 PF	87,70 EFF(IE2)
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE TO PHASE	90 DEG.C	OHM 1,8081
NO LOAD CURRENT		AMP 4,32
NO LOAD INPUT		kW 0,234
CORE LOSS(Pfe)		kW 0,140
WINDAGE FRICTION LOSS(Pfw)		kW 0,048
STATOR WINDING LOSS(Pcu1)		kW 0,284
ROTOR WINDING LOSS(Pcu2)		kW 0,177
STRAY LOAD LOSS(Ps)		kW 0,083
FULL LOAD CURRENT		AMP 10,24
LOCKED ROTOR CURRENT		AMP 64,00
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 6,3
FULL LOAD TORQUE		N.m 36,13
LOCKED ROTOR TORQUE		N.m 68,65
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 1,90
PULL OUT TORQUE		N.m 90,7
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2,51
EFFICIENCY @ FULL LOAD		% 88,253
EFFICIENCY @ 75% LOAD		% 89,315
POWER FACTOR @ FULL LOAD		0,878
FULL LOAD SLIP		% 3,040
FULL LOAD SPEED		r/min 1454
STATOR WINDING TEMPERATURE RISE	90 SECS	K 54
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 50,1
AMBIENT TEMPERATURE OF TESTING		Deg. C 18,3
SOUND POWER LEVEL		dB(A) 72
VIBRATION		mm/s 0,9

standard methods for determining losses and efficiency from tests: pu determined from residual loss(IEC60034-2)

VALIADIS S.A.		SCALE	N/A	
		DATE		REV
K132S-4 5,5 kW 400 VOLTS 50 Hz		DRAWN		DOCUMENT NO.
		APPRVD		
		CHECKED		

PERFORMANCE