

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	110 KW	2980 RPM
K315S-2 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
94,8 EFFICIENCY	190,8 AMPS	55 IP	IC411 IC
2 POLE	S1 DUTY	0,878 PF	94,30 EFF(IE2)
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,0271
NO LOAD CURRENT	AMP	73,36
NO LOAD INPUT	kW	3,403
CORE LOSS(Pfe)	kW	1,577
WINDAGE FRICTION LOSS(Pfw)	kW	1,694
STATOR WINDING LOSS(Pcu1)	kW	0,987
ROTOR WINDING LOSS(Pcu2)	kW	0,749
STRAY LOAD LOSS(Ps)	kW	1,045
FULL LOAD CURRENT	AMP	190,8
LOCKED ROTOR CURRENT	AMP	1285,7
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	6,7
FULL LOAD TORQUE	N.m	352,7
LOCKED ROTOR TORQUE	N.m	698,3
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	1,98
PULL OUT TORQUE	N.m	1139,1
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	3,23
EFFICIENCY @ FULL LOAD	%	94,8
EFFICIENCY @ 75% LOAD	%	95,3
POWER FACTOR @ FULL LOAD		0,88
FULL LOAD SLIP	%	0,66
FULL LOAD SPEED	r/min	2980
STATOR WINDING TEMPERATURE RISE	90 SECS K	51
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	46,8
SOUND POWER LEVEL	dB(A)	87
VIBRATION	mm/s	1,8

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

VALIADIS S.A. K315S-2 110 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		