

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	132 KW	1487 RPM
K315M-4 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
95,0 EFFICIENCY	221,8 AMPS	55 IP	IC411 IC
4 POLE	S1 DUTY	0,904 PF	94,70 EFF(IE2)
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,0353
NO LOAD CURRENT	AMP	70,70
NO LOAD INPUT	kW	3,170
CORE LOSS(Pfe)	kW	2,008
WINDAGE FRICTION LOSS(Pfw)	kW	1,003
STATOR WINDING LOSS(Pcu1)	kW	1,739
ROTOR WINDING LOSS(Pcu2)	kW	1,149
STRAY LOAD LOSS(Ps)	kW	0,99
FULL LOAD CURRENT	AMP	221,8
LOCKED ROTOR CURRENT	AMP	1648,2
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	7,4
FULL LOAD TORQUE	N.m	848,0
LOCKED ROTOR TORQUE	N.m	2018,4
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,38
PULL OUT TORQUE	N.m	2484,8
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,93
EFFICIENCY @ FULL LOAD	%	95,0
EFFICIENCY @ 75% LOAD	%	95,2
POWER FACTOR @ FULL LOAD		0,90
FULL LOAD SLIP	%	0,85
FULL LOAD SPEED	r/min	1487
STATOR WINDING TEMPERATURE RISE	K	60
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	47,3
SOUND POWER LEVEL	dB(A)	82
VIBRATION	mm/s	2,1

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

VALIADIS S.A. K315M-4 132 kW 400 VOLTS 50 Hz	SCALE	N/A		
	DATE		REV	
	DRAWN		DOCUMENT NO.	
	APPRVD			
	CHECKED			