

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	90 KW	992 RPM
K315M-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
94,6 EFFICIENCY	160,3 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0,857 PF	94,00 EFF(IE2)
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,0591
NO LOAD CURRENT	AMP	64,95
NO LOAD INPUT	kW	2,208
CORE LOSS(Pfe)	kW	1,435
WINDAGE FRICTION LOSS(Pfw)	kW	0,549
STATOR WINDING LOSS(Pcu1)	kW	1,517
ROTOR WINDING LOSS(Pcu2)	kW	0,784
STRAY LOAD LOSS(Ps)	kW	0,855
FULL LOAD CURRENT	AMP	160,3
LOCKED ROTOR CURRENT	AMP	1086,5
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	6,8
FULL LOAD TORQUE	N.m	867,3
LOCKED ROTOR TORQUE	N.m	2064,2
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,38
PULL OUT TORQUE	N.m	2515,2
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,90
EFFICIENCY @ FULL LOAD	%	94,6
EFFICIENCY @ 75% LOAD	%	93,8
POWER FACTOR @ FULL LOAD		0,86
FULL LOAD SLIP	%	0,85
FULL LOAD SPEED	r/min	992
STATOR WINDING TEMPERATURE RISE	K	64
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	58,6
SOUND POWER LEVEL	dB(A)	76
VIBRATION	mm/s	1,9

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

VALIADIS S.A. K315M-6 90 kW 400 VOLTS 50 Hz	SCALE	N/A		
	DATE		REV	
	DRAWN		DOCUMENT NO.	
	APPRVD			
	CHECKED			