

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	15 KW	2934 RPM
K160M-2 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
90,8 EFFICIENCY	25,4 AMPS	55 IP	IC411 IC
2 POLE	S1 DUTY	0,887 PF	90,3 IE2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,6047
NO LOAD CURRENT	AMP	7,01
NO LOAD INPUT	W	530,3
CORE LOSS(Pfe)	W	326,3
WINDAGE FRICTION LOSS(Pfw)	W	175,5
STATOR WINDING LOSS(Pcu1)	W	432,4
ROTOR WINDING LOSS(Pcu2)	W	346,2
STRAY LOAD LOSS(Ps)	W	237,1
FULL LOAD CURRENT	AMP	26,88
LOCKED ROTOR CURRENT	AMP	180,04
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	2,3
LOCKED ROTOR INPUT @ FULL LOAD	kW	57,38
FULL LOAD TORQUE	N.m	48,85
LOCKED ROTOR TORQUE	N.m	112,60
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,31
PULL OUT TORQUE	N.m	132,0
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,70
EFFICIENCY @ FULL LOAD	%	90,8
EFFICIENCY @ 75% LOAD	%	91,3
POWER FACTOR @ FULL LOAD		0,89
FULL LOAD SLIP	%	2,196
FULL LOAD SPEED	r/min	2934
STATOR WINDING TEMPERATURE RISE	K	61
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	57,1
SOUND POWER LEVEL	dB(A)	69
VIBRATION	mm/s	0,4

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

VALIADIS S.A. K160M-2 15 kW 400 VOLTS 50 Hz	SCALE	N/A		
	DATE		REV	
	DRAWN		DOCUMENT NO.	
	APPRVD			
	CHECKED			