

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	160 KW	991 RPM
K355M-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
94,8 EFFICIENCY	269,1 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0,905 PF	94,80 EFF(IE2)
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,0268
NO LOAD CURRENT	AMP	70,26
NO LOAD INPUT	kW	4,183
CORE LOSS(Pfe)	kW	2,264
WINDAGE FRICTION LOSS(Pfw)	kW	1,800
STATOR WINDING LOSS(Pcu1)	kW	1,938
ROTOR WINDING LOSS(Pcu2)	kW	1,563
STRAY LOAD LOSS(Ps)	kW	1,200
FULL LOAD CURRENT	AMP	269,1
LOCKED ROTOR CURRENT	AMP	1756,9
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	6,5
FULL LOAD TORQUE	N.m	1543,5
LOCKED ROTOR TORQUE	N.m	3056,1
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	1,98
PULL OUT TORQUE	N.m	4028,4
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,61
EFFICIENCY @ FULL LOAD	%	94,8
EFFICIENCY @ 75% LOAD	%	94,5
POWER FACTOR @ FULL LOAD		0,91
FULL LOAD SLIP	%	0,95
FULL LOAD SPEED	r/min	991
STATOR WINDING TEMPERATURE RISE	K	54
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	49,8
SOUND POWER LEVEL	dB(A)	81
VIBRATION	mm/s	1,9

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

VALIADIS S.A. K355M-6 160 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		