

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	1.5 KW	944 RPM
K100L-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
77.8 EFFICIENCY	3.7 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0.750 PF	N/A EFF2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	STAR CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE TO PHASE 90 DEG.C	OHM	11.1140
NO LOAD CURRENT	AMP	2.29
NO LOAD INPUT	kW	0.176
CORE LOSS(Pfe)	kW	0.090
WINDAGE FRICTION LOSS(Pfw)	kW	0.009
STATOR WINDING LOSS(Pcu1)	kW	0.231
ROTOR WINDING LOSS(Pcu2)	kW	0.090
STRAY LOAD LOSS(Ps)	kW	0.010
FULL LOAD CURRENT	AMP	3.72
LOCKED ROTOR CURRENT	AMP	17.68
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	4.8
FULL LOAD TORQUE	N.m	15.18
LOCKED ROTOR TORQUE	N.m	30.33
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2.00
PULL OUT TORQUE	N.m	31.9
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2.10
EFFICIENCY @ FULL LOAD	%	77.8
POWER FACTOR @ FULL LOAD		0.75
FULL LOAD SLIP	%	5.586
FULL LOAD SPEED	r/min	944
STATOR WINDING TEMPERATURE RISE 30 SECS	K	59.0
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	47.8
SOUND PRESSURE LEVEL	dB(A)	53
VIBRATION	mm/s	0.6
WEIGHT	kg	33

The data above is calculated as per IEC 34-2, all data at nominal Volts

VALIADIS S.A. K100L-6 1.5 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		