

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	7.5 KW	720 RPM
K160L-8 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
86.5 EFFICIENCY	16.6 AMPS	55 IP	IC411 IC
8 POLE	S1 DUTY	0.753 PF	N/A EFF2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE	
STATOR RESISTANCE OF PHASE TO PHASE	90 DEG.C	OHM	1.173774
NO LOAD CURRENT		AMP	9.65
NO LOAD INPUT		kW	0.491
CORE LOSS(Pfe)		kW	0.244
WINDAGE FRICTION LOSS(Pfw)		kW	0.067
STATOR WINDING LOSS(Pcu1)		kW	0.486
ROTOR WINDING LOSS(Pcu2)		kW	0.313
STRAY LOAD LOSS(Ps)		kW	0.043
FULL LOAD CURRENT		AMP	16.61
LOCKED ROTOR CURRENT		AMP	91.05
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	5.5
LOCKED ROTOR INPUT @ FULL LOAD		kW	31.18
FULL LOAD TORQUE		N.m	99.47
LOCKED ROTOR TORQUE		N.m	210.14
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	2.11
PULL OUT TORQUE		N.m	291.4
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	2.93
PULL UP TORQUE		N.m	186.90
PULL UP TORQUE/FULL LOAD TORQUE		P.U.	1.88
EFFICIENCY @ FULL LOAD		%	86.55
POWER FACTOR @ FULL LOAD			0.753
FULL LOAD SLIP		%	3.945
FULL LOAD SPEED		r/min	720
STATOR WINDING TEMPERATURE RISE	30 SECS	K	70.0
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	71.8
TEMPERATURE ON LEADS BY PT100		Deg. C	50.3
TEMPERATURE IN TERMINAL BOX BY PT100		Deg. C	42.1
AMBIENT TEMPERATURE OF TESTING		Deg. C	22.6
SOUND PRESSURE LEVEL		dB(A)	59
VIBRATION		mm/s	0.8
WEIGHT		kg	157

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

VALIADIS S.A. K160L-8 7.5 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE	2006.11	REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		