

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	7.5 KW	968 RPM
K160M-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
89.0 EFFICIENCY	15.3 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0.794 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	1.051
NO LOAD CURRENT		AMP	7.02
NO LOAD INPUT		kW	0.324
CORE LOSS(Pfe)		kW	0.209
WINDAGE FRICTION LOSS(Pfw)		kW	0.052
STATOR WINDING LOSS(Pcu1)		kW	0.370
ROTOR WINDING LOSS(Pcu2)		kW	0.249
STRAY LOAD LOSS(Ps)		kW	0.042
FULL LOAD CURRENT		AMP	15.32
LOCKED ROTOR CURRENT		AMP	92.90
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	6.1
LOCKED ROTOR INPUT @ FULL LOAD		kW	29.75
FULL LOAD TORQUE		N.m	74.00
LOCKED ROTOR TORQUE		N.m	167.73
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	2.27
PULL OUT TORQUE		N.m	204.3
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	2.76
PULL UP TORQUE		N.m	152.37
PULL UP TORQUE/FULL LOAD TORQUE		P.U.	2.06
EFFICIENCY @ FULL LOAD		%	88.96
POWER FACTOR @ FULL LOAD			0.794
FULL LOAD SLIP		%	3.170
FULL LOAD SPEED		r/min	968
STATOR WINDING TEMPERATURE RISE	30 SECS	K	50.7
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	58.7
TEMPERATURE ON LEADS BY PT100		Deg. C	51.1
TEMPERATURE IN TERMINAL BOX BY PT100		Deg. C	47.7
AMBIENT TEMPERATURE OF TESTING		Deg. C	21.0
SOUND PRESSURE LEVEL		dB(A)	60
VIBRATION		mm/s	0.6
WEIGHT		kg	119

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

VALIADIS S.A. K160M-6 7.5 kW 400 VOLTS 50 Hz	SCALE	N/A		
	DATE	2006.10	REV	
	DRAWN		DOCUMENT NO.	
	APPRVD			
	CHECKED			