

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>5.5 KW</b>	<b>713 RPM</b>
K160M-8 <b>FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
<b>84.2 EFFICIENCY</b>	<b>12.8 AMPS</b>	<b>55 IP</b>	<b>IC411 IC</b>
<b>8 POLE</b>	<b>S1 DUTY</b>	<b>0.739 PF</b>	<b>N/A EFF2</b>
<b>VALIADIS MANUFACTURER</b>	<b>SERIAL NO.</b>	<b>F INS.CLASS</b>	<b>DELTA CONNECTION</b>

MAJOR CONTENTS	UNIT	TEST VALUE	
STATOR RESISTANCE OF PHASE TO PHASE	95 DEG.C	OHM	<b>1.74085</b>
NO LOAD CURRENT		AMP	7.89
NO LOAD INPUT		kW	0.401
CORE LOSS(Pfe)		kW	0.242
WINDAGE FRICTION LOSS(Pfw)		kW	0.026
STATOR WINDING LOSS(Pcu1)		kW	0.425
ROTOR WINDING LOSS(Pcu2)		kW	0.291
STRAY LOAD LOSS(Ps)		kW	0.033
FULL LOAD CURRENT		AMP	12.76
LOCKED ROTOR CURRENT		AMP	70.40
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	5.5
LOCKED ROTOR INPUT @ FULL LOAD		kW	26.63
FULL LOAD TORQUE		N.m	73.72
LOCKED ROTOR TORQUE		N.m	174.62
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	2.4
PULL OUT TORQUE		N.m	204.1
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	2.8
PULL UP TORQUE		N.m	148.08
PULL UP TORQUE/FULL LOAD TORQUE		P.U.	2.01
EFFICIENCY @ FULL LOAD		%	84.2
POWER FACTOR @ FULL LOAD			0.74
FULL LOAD SLIP		%	4.964
FULL LOAD SPEED		r/min	713
STATOR WINDING TEMPERATURE RISE	30 SECS	K	60.0
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	55.2
TEMPERATURE ON LEADS BY PT100		Deg. C	38.0
TEMPERATURE IN TERMINAL BOX BY PT100		Deg. C	34.2
AMBIENT TEMPERATURE OF TESTING		Deg. C	13.6
SOUND PRESSURE LEVEL		dB(A)	61
VIBRATION		mm/s	0.8
WEIGHT		kg	119

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

	<b>VALIADIS S.A.</b>	<b>SCALE</b>	N/A	
		<b>DATE</b>	2006.11	<b>REV</b>
	<b>K160M-8</b>	<b>DRAWN</b>		<b>DOCUMENT NO.</b>
	<b>5.5 kW</b>	<b>APPRVD</b>		
	<b>400 VOLTS      50 Hz</b>	<b>CHECKED</b>		