

# VALIADIS S.A.

## ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

<b>NAMEPLATE DATA</b>	<b>IEC TYPE</b>	<b>1.5 KW</b>	<b>2825 RPM</b>
<b>K90S-2 FRAME</b>	<b>3 PHASE</b>	<b>400 VOLTS</b>	<b>50 HZ / CYCLES</b>
<b>79.7 EFFICIENCY</b>	<b>3.2 AMPS</b>	<b>55 IP</b>	<b>IC411 IC</b>
<b>2 POLE</b>	<b>S1 DUTY</b>	<b>0.840 PF</b>	<b>N/A EFF2</b>
<b>VALIADIS MANUFACTURER</b>	<b>SERIAL NO.</b>	<b>INS.CLASS</b>	<b>STAR CONNECTION</b>

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE TO PHASE	90 DEG.C	OHM 10.4500
NO LOAD CURRENT		AMP 1.52
NO LOAD INPUT		kW 0.146
CORE LOSS(Pfe)		kW 0.086
WINDAGE FRICTION LOSS(Pfw)		kW 0.033
STATOR WINDING LOSS(Pcu1)		kW 0.158
ROTOR WINDING LOSS(Pcu2)		kW 0.095
STRAY LOAD LOSS(Ps)		kW 0.009
FULL LOAD CURRENT		AMP 3.24
LOCKED ROTOR CURRENT		AMP 21.61
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 6.8
FULL LOAD TORQUE		N.m 5.07
LOCKED ROTOR TORQUE		N.m 15.07
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 3.00
PULL OUT TORQUE		N.m 15.2
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 3.00
EFFICIENCY @ FULL LOAD		% 79.70
POWER FACTOR @ FULL LOAD		0.840
FULL LOAD SLIP		% 5.823
FULL LOAD SPEED		r/min 2825
STATOR WINDING TEMPERATURE RISE	30 SECS	K 53.0
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 39.6
SOUND PRESSURE LEVEL		dB(A) 59
VIBRATION		mm/s 1.5
WEIGHT		kg 22

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

<b>VALIADIS S.A.</b>  <b>K90S-2</b> <b>1.5 kW</b> <b>400 VOLTS      50      Hz</b>	<b>SCALE</b>	N/A	
	<b>DATE</b>		<b>REV</b>
	<b>DRAWN</b>		<b>DOCUMENT NO.</b>
	<b>APPRVD</b>		
	<b>CHECKED</b>		