

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	0.75 KW	932 RPM
K90S-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
72.5 EFFICIENCY	2.2 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0.680 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	21.0260
NO LOAD CURRENT		AMP	1.64
NO LOAD INPUT		kW	0.143
CORE LOSS(Pfe)		kW	0.065
WINDAGE FRICTION LOSS(Pfw)		kW	0.006
STATOR WINDING LOSS(Pcu1)		kW	0.153
ROTOR WINDING LOSS(Pcu2)		kW	0.055
STRAY LOAD LOSS(Ps)		kW	0.005
FULL LOAD CURRENT		AMP	2.20
LOCKED ROTOR CURRENT		AMP	9.75
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	4.6
FULL LOAD TORQUE		N.m	7.69
LOCKED ROTOR TORQUE		N.m	22.12
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	2.90
PULL OUT TORQUE		N.m	20.8
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	2.70
EFFICIENCY @ FULL LOAD		%	72.50
POWER FACTOR @ FULL LOAD			0.680
FULL LOAD SLIP		%	6.789
FULL LOAD SPEED		r/min	932
STATOR WINDING TEMPERATURE RISE	30 SECS	K	41.0
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	42.9
SOUND PRESSURE LEVEL		dB(A)	55
VIBRATION		mm/s	1.5
WEIGHT		kg	23

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

VALIADIS S.A. K90S-6 0.75 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		