

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	0,75 KW	949 RPM
K90S-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
77,3 EFFICIENCY	1,9 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0,743 PF	75,90 EFF(IE2)
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	STAR CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE	
STATOR RESISTANCE OF PHASE TO PHASE	90 DEG.C	OHM	20,1197
NO LOAD CURRENT		AMP	1,51
NO LOAD INPUT		kW	0,123
CORE LOSS(Pfe)		kW	0,051
WINDAGE FRICTION LOSS(Pfw)		kW	0,010
STATOR WINDING LOSS(Pcu1)		kW	0,108
ROTOR WINDING LOSS(Pcu2)		kW	0,042
STRAY LOAD LOSS(Ps)		kW	0,015
FULL LOAD CURRENT		AMP	1,89
LOCKED ROTOR CURRENT		AMP	8,73
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	4,6
FULL LOAD TORQUE		N.m	7,55
LOCKED ROTOR TORQUE		N.m	17,15
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	2,27
PULL OUT TORQUE		N.m	20,2
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	2,68
EFFICIENCY @ FULL LOAD		%	76,872
EFFICIENCY @ 75% LOAD		%	77,543
POWER FACTOR @ FULL LOAD			0,745
FULL LOAD SLIP		%	5,140
FULL LOAD SPEED		r/min	949
STATOR WINDING TEMPERATURE RISE	90 SECS	K	49
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	50,2
SOUND POWER LEVEL		dB(A)	52
VIBRATION		mm/s	0,3

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

VALIADIS S.A.		SCALE	N/A	
		DATE		REV
K90S-6 0,75 kW 400 VOLTS 50 Hz		DRAWN		DOCUMENT NO.
		APPRVD		
		CHECKED		