

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	30 KW	2936 RPM
K180L-2 FRAME REDUCED	3 PHASE	400 VOLTS	50 HZ / CYCLES
90,7 EFFICIENCY	51,5 AMPS	55 IP	IC
2 POLE	S1 DUTY	0,926 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	0,2077
NO LOAD CURRENT		AMP	11,78
NO LOAD INPUT		kW	1,428
CORE LOSS(Pfe)		kW	0,579
WINDAGE FRICTION LOSS(Pfw)		kW	0,810
STATOR WINDING LOSS(Pcu1)		kW	0,827
ROTOR WINDING LOSS(Pcu2)		kW	0,681
STRAY LOAD LOSS(Ps)		kW	0,165
FULL LOAD CURRENT		AMP	51,51
LOCKED ROTOR CURRENT		AMP	294,11
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	5,7
FULL LOAD TORQUE		N.m	97,65
LOCKED ROTOR TORQUE		N.m	171,86
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	1,76
PULL OUT TORQUE		N.m	273,4
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	2,80
EFFICIENCY @ FULL LOAD		%	90,740
POWER FACTOR @ FULL LOAD			0,926
FULL LOAD SLIP		%	2,150
FULL LOAD SPEED		r/min	2936
STATOR WINDING TEMPERATURE RISE	90 SECS	K	71
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	65,6
AMBIENT TEMPERATURE OF TESTING		Deg. C	21,3
SOUND PRESSURE LEVEL		dB(A)	85
VIBRATION		mm/s	1,5

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

VALIADIS S.A. K180L-2 30 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		