

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	11 KW	728 RPM
K180L-8 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
87,0 EFFICIENCY	22,1 AMPS	55 IP	
8 POLE	S1 DUTY	0,760 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 1,8032
NO LOAD CURRENT		AMP 12,11
NO LOAD INPUT		kW 0,540
CORE LOSS(Pfe)		kW 0,246
WINDAGE FRICTION LOSS(Pfw)		kW 0,055
STATOR WINDING LOSS(Pcu1)		kW 0,878
ROTOR WINDING LOSS(Pcu2)		kW 0,340
STRAY LOAD LOSS(Ps)		kW 0,063
FULL LOAD CURRENT		AMP 134,30
LOCKED ROTOR CURRENT		AMP 114,98
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 5,2
FULL LOAD TORQUE		N.m 144,38
LOCKED ROTOR TORQUE		N.m 265,65
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 1,84
PULL OUT TORQUE		N.m 332,1
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2,30
EFFICIENCY @ FULL LOAD		% 87,40
FULL LOAD SLIP		% 0,820
FULL LOAD SPEED		r/min 728
STATOR WINDING TEMPERATURE RISE	90 SECS	K 73
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 62,0
TEMPERATURE ON LEADS BY PT100		Deg. C 53,0
TEMPERATURE IN TERMINAL BOX BY PT100		Deg. C 41,2
AMBIENT TEMPERATURE OF TESTING		Deg. C 5,1
SOUND PRESSURE LEVEL		dB(A) 68
VIBRATION		mm/s 1,2

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

VALIADIS S.A. K180L-8 11 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		