

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	30 KW	1470 RPM
K180L-4 FRAME REDUCED	3 PHASE	400 VOLTS	50 HZ / CYCLES
92,2 EFFICIENCY	52,3 AMPS	55 IP	IC
4 POLE	S1 DUTY	0,899 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	0,2303
NO LOAD CURRENT		AMP	16,66
NO LOAD INPUT		kW	0,907
CORE LOSS(Pfe)		kW	0,461
WINDAGE FRICTION LOSS(Pfw)		kW	0,360
STATOR WINDING LOSS(Pcu1)		kW	0,944
ROTOR WINDING LOSS(Pcu2)		kW	0,623
STRAY LOAD LOSS(Ps)		kW	0,163
FULL LOAD CURRENT		AMP	52,27
LOCKED ROTOR CURRENT		AMP	332,43
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	6,4
FULL LOAD TORQUE		N.m	195,00
LOCKED ROTOR TORQUE		N.m	374,40
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	1,92
PULL OUT TORQUE		N.m	497,3
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	2,55
EFFICIENCY @ FULL LOAD		%	92,165
POWER FACTOR @ FULL LOAD			0,899
FULL LOAD SLIP		%	2,000
FULL LOAD SPEED		r/min	1470
STATOR WINDING TEMPERATURE RISE	90 SECS	K	69
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	71,2
AMBIENT TEMPERATURE OF TESTING		Deg. C	23,5
SOUND PRESSURE LEVEL		dB(A)	71
VIBRATION		mm/s	1,4

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

VALIADIS S.A. K180L-4 30 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		