

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	355 KW	992 RPM
K400-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
95,9 EFFICIENCY	607,9 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0,879 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	0,00698
NO LOAD CURRENT		AMP	179,60
NO LOAD INPUT		kW	6,892
CORE LOSS(Pfe)		kW	4,458
WINDAGE FRICTION LOSS(Pfw)		kW	2,130
STATOR WINDING LOSS(Pcu1)		kW	3,869
ROTOR WINDING LOSS(Pcu2)		kW	2,851
STRAY LOAD LOSS(Ps)		kW	1,851
FULL LOAD CURRENT		AMP	607,90
LOCKED ROTOR CURRENT		AMP	3860,17
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	6,4
LOCKED ROTOR INPUT @ FULL LOAD		kW	
FULL LOAD TORQUE		N.m	3418,97
LOCKED ROTOR TORQUE		N.m	6085,76
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	1,78
PULL OUT TORQUE		N.m	8889,3
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	2,60
EFFICIENCY @ FULL LOAD		%	95,91
POWER FACTOR @ FULL LOAD			0,879
FULL LOAD SLIP		%	0,788
FULL LOAD SPEED		r/min	992
STATOR WINDING TEMPERATURE RISE	120 SECS	K	66
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	43,8
SOUND PRESSURE LEVEL		dB(A)	92
VIBRATION		mm/s	1,7

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

VALIADIS S.A. K400-6 355 kW 400 VOLTS 50 Hz	SCALE	N/A		
	DATE		REV	
	DRAWN		DOCUMENT NO.	
	APPRVD			
	CHECKED			