

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA		IEC TYPE	400 KW	1490 RPM
K400-4(High Load-HL) FRAME		3 PHASE	400 VOLTS	50 HZ / CYCLES
95,9 EFFICIENCY		662,0 AMPS	54 IP	IC
4 POLE		S1 DUTY	0,910 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	0,0042
NO LOAD CURRENT			AMP	160,07
NO LOAD INPUT			kW	8,192
CORE LOSS(Pfe)			kW	3,930
WINDAGE FRICTION LOSS(Pfw)			kW	4,117
STATOR WINDING LOSS(Pcu1)			kW	2,795
ROTOR WINDING LOSS(Pcu2)			kW	4,215
STRAY LOAD LOSS(Ps)			kW	2,086
FULL LOAD CURRENT			AMP	665,00
LOCKED ROTOR CURRENT			AMP	3956,75
LOCKED ROTOR CURRENT/FULL LOAD CURRENT			P.U.	6,0
FULL LOAD TORQUE			N.m	2574,44
LOCKED ROTOR TORQUE			N.m	3861,66
LOCKED ROTOR TORQUE/FULL LOAD TORQUE			P.U.	1,50
PULL OUT TORQUE			N.m	6796,5
PULL OUT TORQUE/FULL LOAD TORQUE			P.U.	2,64
EFFICIENCY @ FULL LOAD			%	95,891
POWER FACTOR @ FULL LOAD				0,905
FULL LOAD SLIP			%	1,027
FULL LOAD SPEED			r/min	1485
STATOR WINDING TEMPERATURE RISE		90 SECS	K	62
D.E. BEARINGS TEMPERATURE BY PT100			Deg. C	43,6
AMBIENT TEMPERATURE OF TESTING			Deg. C	10,2
SOUND PRESSURE LEVEL			dB(A)	95
VIBRATION			mm/s	0,9
The data above is calculated as per IEC 34-2,all data at nominal Volts.				
	VALIADIS S.A.		SCALE	N/A
	K400-4 (High Load-HL)		DATE	REV
	400 kW		DRAWN	DOCUMENT NO.
	400 VOLTS 50 Hz		APPRVD	
			CHECKED	