

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	315 KW	740 RPM
K 400-8 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
95,5 EFFICIENCY	557 AMPS	55 IP	IC411 IC
8 POLE	S1 DUTY	0,860 PF	N/A EFF2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE	
STATOR RESISTANCE OF PHASE	90 DEG.C	OHM	0,0086
NO LOAD CURRENT		AMP	0,45
NO LOAD INPUT		kW	6,275
CORE LOSS(Pfe)		kW	4,416
WINDAGE FRICTION LOSS(Pfw)		kW	1,859
STATOR WINDING LOSS(Pcu1)		kW	3,172
ROTOR WINDING LOSS(Pcu2)		kW	3,412
STRAY LOAD LOSS(Ps)		kW	1,648
FULL LOAD CURRENT		AMP	557,00
LOCKED ROTOR CURRENT		AMP	2737,60
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	6,1
FULL LOAD TORQUE		N.m	4065,00
LOCKED ROTOR TORQUE		N.m	5597,79
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	1,00
PULL OUT TORQUE		N.m	8477,81
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	2,90
EFFICIENCY @ FULL LOAD		%	95,50
POWER FACTOR @ FULL LOAD			0,860
FULL LOAD SLIP		%	1,060
FULL LOAD SPEED		r/min	740
STATOR WINDING TEMPERATURE RISE	30 SECS	K	60,2
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	61,0
SOUND PRESSURE LEVEL		dB(A)	92
VIBRATION		mm/s	1,8
D.E. BEARING			6326C3 OR NU326
N.D.E. BEARING			6326C3

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

VALIADIS S.A. K 400-8 315 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		