

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	400 KW	1488 RPM
K355L-4 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
95,9 EFFICIENCY	660,4 AMPS	55 IP	411 IC
4 POLE	S1 DUTY	0,912 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	0,0056
NO LOAD CURRENT		AMP	153,50
NO LOAD INPUT		kW	8,505
CORE LOSS(Pfe)		kW	4,310
WINDAGE FRICTION LOSS(Pfw)		kW	4,000
STATOR WINDING LOSS(Pcu1)		kW	3,656
ROTOR WINDING LOSS(Pcu2)		kW	3,161
STRAY LOAD LOSS(Ps)		kW	2,000
FULL LOAD CURRENT		AMP	660,40
LOCKED ROTOR CURRENT		AMP	3757,68
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	5,7
FULL LOAD TORQUE		N.m	2567,77
LOCKED ROTOR TORQUE		N.m	4699,02
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	1,83
PULL OUT TORQUE		N.m	6342,4
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	2,47
EFFICIENCY @ FULL LOAD		%	95,894
POWER FACTOR @ FULL LOAD			0,912
FULL LOAD SLIP		%	0,770
FULL LOAD SPEED		r/min	1488
STATOR WINDING TEMPERATURE RISE	90 SECS	K	71
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	49,6
AMBIENT TEMPERATURE OF TESTING		Deg. C	10,6
SOUND PRESSURE LEVEL		dB(A)	100
VIBRATION		mm/s	1,7

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

VALIADIS S.A.		SCALE		
		DATE		REV
K355L-4 400 kW		DRAWN		DOCUMENT NO.
		APPRVD		
400	VOLTS	50	Hz	CHECKED