

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	132 kW	2973 RPM
K280MX-2 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
95,3 EFFICIENCY	221,0 AMPS	55 IP	IC
2 POLE	S1 DUTY	0,905 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	0,0210
NO LOAD CURRENT		AMP	43,81
NO LOAD INPUT		kW	3,158
CORE LOSS(Pfe)		kW	1,783
WINDAGE FRICTION LOSS(Pfw)		kW	1,320
STATOR WINDING LOSS(Pcu1)		kW	1,535
ROTOR WINDING LOSS(Pcu2)		kW	1,204
STRAY LOAD LOSS(Ps)		kW	0,721
FULL LOAD CURRENT		AMP	220,98
LOCKED ROTOR CURRENT		AMP	1401,01
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	6,3
FULL LOAD TORQUE		N.m	424,20
LOCKED ROTOR TORQUE		N.m	890,81
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	2,10
PULL OUT TORQUE		N.m	1111,4
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	2,62
EFFICIENCY @ FULL LOAD		%	95,263
POWER FACTOR @ FULL LOAD			0,905
FULL LOAD SLIP		%	0,890
FULL LOAD SPEED		r/min	2973
STATOR WINDING TEMPERATURE RISE	90 SECS	K	59
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	54,3
AMBIENT TEMPERATURE OF TESTING		Deg. C	22,3
SOUND POWER LEVEL		dB(A)	89
VIBRATION		mm/s	0,6

VALIADIS S.A.		SCALE	N/A		
		DATE		REV	
K280MX-2 132 kW		DRAWN		DOCUMENT NO.	
		APPRVD			
400	VOLTS	50	Hz	CHECKED	