

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	132 kW	1486 RPM
K280MX-4 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
95,2 EFFICIENCY	223,0 AMPS	55 IP	IC
4 POLE	S1 DUTY	0,897 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	0,0227
NO LOAD CURRENT		AMP	62,01
NO LOAD INPUT		kW	3,095
CORE LOSS(Pfe)		kW	1,562
WINDAGE FRICTION LOSS(Pfw)		kW	1,415
STATOR WINDING LOSS(Pcu1)		kW	1,696
ROTOR WINDING LOSS(Pcu2)		kW	1,259
STRAY LOAD LOSS(Ps)		kW	0,694
FULL LOAD CURRENT		AMP	223,04
LOCKED ROTOR CURRENT		AMP	1492,14
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	6,7
FULL LOAD TORQUE		N.m	848,73
LOCKED ROTOR TORQUE		N.m	1765,37
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	2,08
PULL OUT TORQUE		N.m	2478,3
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	2,92
EFFICIENCY @ FULL LOAD		%	95,220
POWER FACTOR @ FULL LOAD			0,897
FULL LOAD SLIP		%	0,930
FULL LOAD SPEED		r/min	1486
STATOR WINDING TEMPERATURE RISE	90 SECS	K	60
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	50,2
AMBIENT TEMPERATURE OF TESTING		Deg. C	22,7
SOUND POWER LEVEL		dB(A)	86
VIBRATION		mm/s	0,3

VALIADIS S.A.		SCALE	N/A		
		DATE		REV	
K280MX-4 132 kW		DRAWN		DOCUMENT NO.	
		APPRVD			
400	VOLTS	50	Hz		
		CHECKED			