

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	110 kW	1483 RPM
K280M-4 FRAME REDUCED	3 PHASE	400 VOLTS	50 HZ / CYCLES
94,0 EFFICIENCY	186,2 AMPS	55 IP	IC
4 POLE	S1 DUTY	0,907 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	0,0413
NO LOAD CURRENT		AMP	44,18
NO LOAD INPUT		kW	3,028
CORE LOSS(Pfe)		kW	1,599
WINDAGE FRICTION LOSS(Pfw)		kW	1,320
STATOR WINDING LOSS(Pcu1)		kW	2,149
ROTOR WINDING LOSS(Pcu2)		kW	1,313
STRAY LOAD LOSS(Ps)		kW	0,585
FULL LOAD CURRENT		AMP	186,18
LOCKED ROTOR CURRENT		AMP	1133,82
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	6,1
FULL LOAD TORQUE		N.m	708,92
LOCKED ROTOR TORQUE		N.m	1587,99
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	2,24
PULL OUT TORQUE		N.m	1644,7
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	2,32
EFFICIENCY @ FULL LOAD		%	94,044
POWER FACTOR @ FULL LOAD			0,907
FULL LOAD SLIP		%	1,160
FULL LOAD SPEED		r/min	1483
STATOR WINDING TEMPERATURE RISE	90 SECS	K	74
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	68,9
AMBIENT TEMPERATURE OF TESTING		Deg. C	21,6
SOUND PRESSURE LEVEL		dB(A)	88
VIBRATION		mm/s	1,8

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

VALIADIS S.A.		SCALE	N/A	
		DATE		REV
K280M-4 110 kW		DRAWN		DOCUMENT NO.
		APPRVD		
400	VOLTS	50	Hz	
		CHECKED		