

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	75 KW	1478 RPM
K250M-4 FRAME REDUCED	3 PHASE	400 VOLTS	50 HZ / CYCLES
93,2 EFFICIENCY	127,8 AMPS	55 IP	IC
4 POLE	S1 DUTY	0,909 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	0,0612
NO LOAD CURRENT					AMP	28,86
NO LOAD INPUT					kW	2,481
CORE LOSS(Pfe)					kW	1,137
WINDAGE FRICTION LOSS(Pfw)					kW	1,275
STATOR WINDING LOSS(Pcu1)					kW	1,499
ROTOR WINDING LOSS(Pcu2)					kW	1,120
STRAY LOAD LOSS(Ps)					kW	0,402
FULL LOAD CURRENT					AMP	127,78
LOCKED ROTOR CURRENT					AMP	737,28
LOCKED ROTOR CURRENT/FULL LOAD CURRENT					P.U.	5,8
FULL LOAD TORQUE					N.m	484,73
LOCKED ROTOR TORQUE					N.m	959,77
LOCKED ROTOR TORQUE/FULL LOAD TORQUE					P.U.	1,98
PULL OUT TORQUE					N.m	1119,7
PULL OUT TORQUE/FULL LOAD TORQUE					P.U.	2,31
EFFICIENCY @ FULL LOAD					%	93,245
POWER FACTOR @ FULL LOAD						0,909
FULL LOAD SLIP					%	1,440
FULL LOAD SPEED					r/min	1478
STATOR WINDING TEMPERATURE RISE				90 SECS	K	70
D.E. BEARINGS TEMPERATURE BY PT100					Deg. C	65,3
AMBIENT TEMPERATURE OF TESTING					Deg. C	21,3
SOUND PRESSURE LEVEL					dB(A)	78
VIBRATION					mm/s	1,7

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

VALIADIS S.A.		SCALE	N/A		
		DATE		REV	
K250M-4		DRAWN		DOCUMENT NO.	
75 kW		APPRVD			
400 VOLTS 50 Hz		CHECKED			