

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA		IEC TYPE		4 KW		715 RPM	
K160M-8 FRAME		3 PHASE		400 VOLTS		50 HZ / CYCLES	
83,7 EFFICIENCY		9,2 AMPS		55 IP		IC411 IC	
8 POLE		S1 DUTY		0,754 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	2,9320
NO LOAD CURRENT		AMP	6,11
NO LOAD INPUT		kW	0,344
CORE LOSS(Pfe)		kW	0,157
WINDAGE FRICTION LOSS(Pfw)		kW	0,040
STATOR WINDING LOSS(Pcu1)		kW	0,372
ROTOR WINDING LOSS(Pcu2)		kW	0,201
STRAY LOAD LOSS(Ps)		kW	0,024
FULL LOAD CURRENT		AMP	9,20
LOCKED ROTOR CURRENT		AMP	45,54
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U.	5,0
FULL LOAD TORQUE		N.m	53,48
LOCKED ROTOR TORQUE		N.m	120,87
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U.	2,26
PULL OUT TORQUE		N.m	138,0
PULL OUT TORQUE/FULL LOAD TORQUE		P.U.	2,58
EFFICIENCY @ FULL LOAD		%	83,435
POWER FACTOR @ FULL LOAD			0,752
FULL LOAD SLIP		%	4,720
FULL LOAD SPEED		r/min	715
STATOR WINDING TEMPERATURE RISE	30 SECS	K	63
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C	46,9
AMBIENT TEMPERATURE OF TESTING		Deg. C	3,7
SOUND PRESSURE LEVEL		dB(A)	61
VIBRATION		mm/s	1,3

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

400	VALIADIS S.A.		SCALE	N/A		
			DATE		REV	
	K160M-8		DRAWN		DOCUMENT NO.	
	4 kW		APPRVD			
			CHECKED			
	VOLTS	50 Hz				