

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	450 KW	1482 RPM
K400-4 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
96.0 EFFICIENCY	737.2 AMPS	55 IP	IC
4 POLE	S1 DUTY	0.918 PF	N/A EFF2
VALIADIS MANUFACTURER		F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE TO PHASE	95 DEG.C	0.0041
NO LOAD CURRENT	AMP	160.17
NO LOAD INPUT	kW	8.078
CORE LOSS(Pfe)	kW	5.283
WINDAGE FRICTION LOSS(Pfw)	kW	2.655
STATOR WINDING LOSS(Pcu1)	kW	3.071
ROTOR WINDING LOSS(Pcu2)	kW	5.573
STRAY LOAD LOSS(Ps)	kW	2.345
FULL LOAD CURRENT	AMP	737.20
LOCKED ROTOR CURRENT	AMP	4412.76
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	6.2
FULL LOAD TORQUE	N.m	2901.61
LOCKED ROTOR TORQUE	N.m	4004.22
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	1.38
PULL OUT TORQUE	N.m	7660.2
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2.64
EFFICIENCY @ FULL LOAD	%	95.964
POWER FACTOR @ FULL LOAD		0.918
FULL LOAD SLIP	%	1.210
FULL LOAD SPEED	r/min	1482
STATOR WINDING TEMPERATURE RISE	90 SECS	K
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C
AMBIENT TEMPERATURE OF TESTING		Deg. C
SOUND PRESSURE LEVEL		dB(A)
VIBRATION		mm/s

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

VALIADIS S.A.		SCALE	N/A		
		DATE		REV	
K400-4 450 kW 415 VOLTS 50 Hz		DRAWN		DOCUMENT NO.	
		APPRVD			
		CHECKED			