

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	5.5 KW	1445 RPM
K132S-4 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
85.9 EFFICIENCY	10.61 AMPS	55 IP	IC411 IC
4 POLE	S1 DUTY	0.871 PF	85.70 EFF2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE TO PHASE	90 DEG.C	2.1036
NO LOAD CURRENT	AMP	4.22
NO LOAD INPUT	kW	0.337
CORE LOSS(Pfe)	kW	0.194
WINDAGE FRICTION LOSS(Pfw)	kW	0.098
STATOR WINDING LOSS(Pcu1)	kW	0.355
ROTOR WINDING LOSS(Pcu2)	kW	0.214
STRAY LOAD LOSS(Ps)	kW	0.032
FULL LOAD CURRENT	AMP	10.61
LOCKED ROTOR CURRENT	AMP	77.24
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	7.3
LOCKED ROTOR INPUT @ FULL LOAD	kW	31.04
FULL LOAD TORQUE	N.m	36.4
LOCKED ROTOR TORQUE	N.m	83.96
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2.31
PULL OUT TORQUE	N.m	109.7
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	3.02
PULL UP TORQUE	N.m	73.05
PULL UP TORQUE/FULL LOAD TORQUE	P.U.	2.01
EFFICIENCY @ FULL LOAD	%	85.93
POWER FACTOR @ FULL LOAD		0.871
FULL LOAD SLIP	%	3.66
FULL LOAD SPEED	r/min	1445
STATOR WINDING TEMPERATURE RISE	30 SECS	K
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C
TEMPERATURE ON LEADS BY PT100		Deg. C
TEMPERATURE IN TERMINAL BOX BY PT100		Deg. C
AMBIENT TEMPERATURE OF TESTING		Deg. C
SOUND PRESSURE LEVEL		dB(A)
VIBRATION		mm/s
WEIGHT		kg

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

VALIADIS S.A. K132S-4 5.5 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE	2006.11.19	REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		