

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	4 KW	2868 RPM
K 112M-2 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
85.0 EFFICIENCY	7.3 AMPS	55 IP	IC411 IC
2 POLE	S1 DUTY	0.930 PF	84.20 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 3.4800
NO LOAD CURRENT		AMP 2.04
NO LOAD INPUT		kW 0.226
CORE LOSS(Pfe)		kW 0.094
WINDAGE FRICTION LOSS(Pfw)		kW 0.114
STATOR WINDING LOSS(Pcu1)		kW 0.279
ROTOR WINDING LOSS(Pcu2)		kW 0.191
STRAY LOAD LOSS(Ps)		kW 0.024
FULL LOAD CURRENT		AMP 7.31
LOCKED ROTOR CURRENT		AMP 55.53
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 7.6
FULL LOAD TORQUE		N.m 13.33
LOCKED ROTOR TORQUE		N.m 31.68
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2.38
PULL OUT TORQUE		N.m 40.9
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 3.07
EFFICIENCY @ FULL LOAD		% 84.95
POWER FACTOR @ FULL LOAD		0.930
FULL LOAD SLIP		% 4.406
FULL LOAD SPEED		r/min 2868
STATOR WINDING TEMPERATURE RISE	30 SECS	K 60.0
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 51.1
SOUND PRESSURE LEVEL		dB(A) 66
VIBRATION		mm/s 1.7
WEIGHT		kg 45

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

VALIADIS S.A. K 112M-2 4 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		