

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	2,2 KW	1441 RPM
K100L-4 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
84,7 EFFICIENCY	4,4 AMPS	55 IP	IC411 IC
4 POLE	S1 DUTY	0,858 PF	84,30 EFF(IE2)
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	STAR CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE TO PHASE	90 DEG.C	OHM 5,2576
NO LOAD CURRENT		AMP 2,13
NO LOAD INPUT		kW 0,150
CORE LOSS(Pfe)		kW 0,094
WINDAGE FRICTION LOSS(Pfw)		kW 0,024
STATOR WINDING LOSS(Pcu1)		kW 0,151
ROTOR WINDING LOSS(Pcu2)		kW 0,092
STRAY LOAD LOSS(Ps)		kW 0,037
FULL LOAD CURRENT		AMP 4,37
LOCKED ROTOR CURRENT		AMP 27,18
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 6,2
FULL LOAD TORQUE		N.m 14,58
LOCKED ROTOR TORQUE		N.m 34,12
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2,34
PULL OUT TORQUE		N.m 41,1
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2,82
EFFICIENCY @ FULL LOAD		% 84,694
EFFICIENCY @ 75% LOAD		% 83,948
POWER FACTOR @ FULL LOAD		0,858
FULL LOAD SLIP		% 3,900
FULL LOAD SPEED		r/min 1442
STATOR WINDING TEMPERATURE RISE	90 SECS	K 60
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 58,4
SOUND POWER LEVEL		dB(A) 58
VIBRATION		mm/s 0,3

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

VALIADIS S.A.		SCALE	N/A	
		DATE		REV
K100L-4 2,2 kW 400 VOLTS 50 Hz		DRAWN		DOCUMENT NO.
		APPRVD		
		CHECKED		