

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	1,5 kW	955 RPM
K100L-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
80,1 EFFICIENCY	3,6 AMPS	55 IP	IC41 IC
6 POLE	S1 DUTY	0,743 PF	79,80 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 8,4356
NO LOAD CURRENT		AMP 2,64
NO LOAD INPUT		kW 0,187
CORE LOSS(Pfe)		kW 0,095
WINDAGE FRICTION LOSS(Pfw)		kW 0,012
STATOR WINDING LOSS(Pcu1)		kW 0,168
ROTOR WINDING LOSS(Pcu2)		kW 0,072
STRAY LOAD LOSS(Ps)		kW 0,030
FULL LOAD CURRENT		AMP 3,64
LOCKED ROTOR CURRENT		AMP 20,82
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 5,7
FULL LOAD TORQUE		N.m 15,00
LOCKED ROTOR TORQUE		N.m 44,11
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2,94
PULL OUT TORQUE		N.m 44,4
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2,96
EFFICIENCY @ FULL LOAD		% 79,905
EFFICIENCY @ 75% LOAD		% 80,539
POWER FACTOR @ FULL LOAD		0,744
FULL LOAD SLIP		% 4,470
FULL LOAD SPEED		r/min 955
STATOR WINDING TEMPERATURE RISE	90 SECS	K 53
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 48,6
SOUND POWER LEVEL		dB(A) 58
VIBRATION		mm/s 0,4

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

VALIADIS S.A.		SCALE	N/A	
		DATE		REV
K100L-6 1,5 kW 400 VOLTS 50 Hz		DRAWN		DOCUMENT NO.
		APPRVD		
		CHECKED		

PERFORMANCE