

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	0,75 KW	2853 RPM
K80-2 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
78,3 EFFICIENCY	1,7 AMPS	55 IP	IC411 IC
2 POLE	S1 DUTY	0,827 PF	77,40 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 20,4937
NO LOAD CURRENT		AMP 1,26
NO LOAD INPUT		kW 0,114
CORE LOSS(Pfe)		kW 0,052
WINDAGE FRICTION LOSS(Pfw)		kW 0,018
STATOR WINDING LOSS(Pcu1)		kW 0,086
ROTOR WINDING LOSS(Pcu2)		kW 0,040
STRAY LOAD LOSS(Ps)		kW 0,015
FULL LOAD CURRENT		AMP 1,67
LOCKED ROTOR CURRENT		AMP 9,77
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 5,9
FULL LOAD TORQUE		N.m 2,51
LOCKED ROTOR TORQUE		N.m 6,76
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 2,69
PULL OUT TORQUE		N.m 7,7
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 3,08
EFFICIENCY @ FULL LOAD		% 78,071
EFFICIENCY @ 75% LOAD		% 77,615
POWER FACTOR @ FULL LOAD		0,830
FULL LOAD SLIP		% 4,890
FULL LOAD SPEED		r/min 2853
STATOR WINDING TEMPERATURE RISE	90 SECS	K 48
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 45,1
SOUND POWER LEVEL		dB(A) 58
VIBRATION		mm/s 0,2

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

VALIADIS S.A.		SCALE	N/A	
		DATE		REV
K80-2 0,75 kW 400 VOLTS 50 Hz		DRAWN		DOCUMENT NO.
		APPRVD		
		CHECKED		