

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	37 KW	739 RPM
K280S-8 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
91,0 EFFICIENCY	69,5 AMPS	55 IP	
8 POLE	S1 DUTY	0,800 PF	N/A 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 0,2872
NO LOAD CURRENT		AMP 30,33
NO LOAD INPUT		kW 1,000
CORE LOSS(Pfe)		kW 0,565
WINDAGE FRICTION LOSS(Pfw)		kW 0,200
STATOR WINDING LOSS(Pcu1)		kW 1,385
ROTOR WINDING LOSS(Pcu2)		kW 0,554
STRAY LOAD LOSS(Ps)		kW 0,200
FULL LOAD CURRENT		AMP 69,50
LOCKED ROTOR CURRENT		AMP 347,25
LOCKED ROTOR CURRENT/FULL LOAD CURRENT		P.U. 5,0
FULL LOAD TORQUE		N.m 478,40
LOCKED ROTOR TORQUE		N.m 923,31
LOCKED ROTOR TORQUE/FULL LOAD TORQUE		P.U. 1,93
PULL OUT TORQUE		N.m 1009,4
PULL OUT TORQUE/FULL LOAD TORQUE		P.U. 2,10
EFFICIENCY @ FULL LOAD		% 92,70
FULL LOAD SLIP		% 0,830
FULL LOAD SPEED		r/min 739
STATOR WINDING TEMPERATURE RISE	90 SECS	K 70
D.E. BEARINGS TEMPERATURE BY PT100		Deg. C 52,7
TEMPERATURE ON LEADS BY PT100		Deg. C 49,7
TEMPERATURE IN TERMINAL BOX BY PT100		Deg. C 39,6
AMBIENT TEMPERATURE OF TESTING		Deg. C 5,3
SOUND PRESSURE LEVEL		dB(A) 74
VIBRATION		mm/s 1,9

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

VALIADIS S.A. K280S-8 37 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		