

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	75 KW	1487 RPM
K280S-4 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
94,5 EFFICIENCY	132,6 AMPS	55 IP	IC411 IC
4 POLE	S1 DUTY	0,878 PF	94,0 IE2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,0598
NO LOAD CURRENT	AMP	47,67
NO LOAD INPUT	W	2500,4
CORE LOSS(Pfe)	W	2018,8
WINDAGE FRICTION LOSS(Pfw)	W	355,5
STATOR WINDING LOSS(Pcu1)	W	1040,4
ROTOR WINDING LOSS(Pcu2)	W	650,2
STRAY LOAD LOSS(Ps)	W	329,3
FULL LOAD CURRENT	AMP	130,54
LOCKED ROTOR CURRENT	AMP	951,22
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	7,2
LOCKED ROTOR INPUT @ FULL LOAD	kW	247,59
FULL LOAD TORQUE	N.m	481,85
LOCKED ROTOR TORQUE	N.m	1162,56
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,41
PULL OUT TORQUE	N.m	1500,0
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	3,11
EFFICIENCY @ FULL LOAD	%	94,5
EFFICIENCY @ 75% LOAD	%	94,0
POWER FACTOR @ FULL LOAD		0,88
FULL LOAD SLIP	%	0,852
FULL LOAD SPEED	r/min	1487
STATOR WINDING TEMPERATURE RISE	K	69
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	57,2
SOUND POWER LEVEL	dB(A)	81
VIBRATION	mm/s	1,7

standard methods for determining losses and efficiency from tests: pu determined from residual loss(IEC60034-2)

VALIADIS S.A. K280S-4 75 kW 400 VOLTS 50 Hz	SCALE	N/A		
	DATE		REV	
	DRAWN		DOCUMENT NO.	
	APPRVD			
	CHECKED			