

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	45 KW	990 RPM
K280S-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
93,3 EFFICIENCY	80,5 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0,855 PF	92,7 IE2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,1510
NO LOAD CURRENT	AMP	34,40
NO LOAD INPUT	W	1535,3
CORE LOSS(Pfe)	W	1108,8
WINDAGE FRICTION LOSS(Pfw)	W	257,7
STATOR WINDING LOSS(Pcu1)	W	983,7
ROTOR WINDING LOSS(Pcu2)	W	441,8
STRAY LOAD LOSS(Ps)	W	422,9
FULL LOAD CURRENT	AMP	81,43
LOCKED ROTOR CURRENT	AMP	563,59
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	7,0
LOCKED ROTOR INPUT @ FULL LOAD	kW	184,39
FULL LOAD TORQUE	N.m	434,13
LOCKED ROTOR TORQUE	N.m	959,76
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,21
PULL OUT TORQUE	N.m	1316,6
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	3,03
EFFICIENCY @ FULL LOAD	%	93,3
EFFICIENCY @ 75% LOAD	%	93,1
POWER FACTOR @ FULL LOAD		0,85
FULL LOAD SLIP	%	0,958
FULL LOAD SPEED	r/min	990
STATOR WINDING TEMPERATURE RISE	K	59
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	67,4
SOUND POWER LEVEL	dB(A)	79
VIBRATION	mm/s	1,0

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

VALIADIS S.A. K280S-6 45 kW 400 VOLTS 50 Hz	SCALE	N/A		
	DATE		REV	
	DRAWN		DOCUMENT NO.	
	APPRVD			
	CHECKED			