

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	355 KW	1490 RPM
K355L-4 FRAME	3 PHASE	525 VOLTS	50 HZ / CYCLES
95,9 EFFICIENCY	451,0 AMPS	55 IP	IC411 IC
4 POLE	S1 DUTY	0,870 PF	IE2
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
PHASE RESISTANCE OF WINDING (95 Deg.C)	OHM	0,0155
NO LOAD CURRENT	AMP	151,516
NO LOAD INPUT	W	7298,400
CORE LOSS(Pfe)	W	3345,600
WINDAGE FRICTION LOSS(Pfw)	W	3624,900
STATOR WINDING LOSS(Pcu1)	W	3431,500
ROTOR WINDING LOSS(Pcu2)	W	2630,100
STRAY LOAD LOSS(Ps)	W	2003,600
FULL LOAD CURRENT	AMP	470,212
LOCKED ROTOR CURRENT	AMP	2800,000
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	6,21 \leq 7,8
LOCKED ROTOR INPUT @ FULL LOAD	kW	767,300
FULL LOAD TORQUE	N.m	2277,800
LOCKED ROTOR TORQUE	N.m	3903,600
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	1,72 \geq 1,36
PULL OUT TORQUE	N.m	6433,000
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,83 \geq 2,25
EFFICIENCY @ FULL LOAD	%	95,900
INPUT@ FULL LOAD	kW	370,066
POWER FACTOR @ FULL LOAD		0,87 \geq 0,86
FULL LOAD SLIP	%	0,724
FULL LOAD SPEED	r/min	1489
STATOR WINDING TEMPERATURE RISE	K	80 \leq 90
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	68 \leq 95
SOUND POWER LEVEL	dB(A)	98 \leq 105
VIBRATION	mm/s	0,3 \leq 3,5

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

VALIADIS S.A. K355L-4 355 kW 525 VOLTS 50 Hz	SCALE	N/A		
	DATE		REV	
	DRAWN		DOCUMENT NO.	
	APPRVD			
	CHECKED			