

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	75 kW	991 RPM
K315S-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
94,2 EFFICIENCY	134,6 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0,853 PF	93,70 EFF(IE2)
VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION

MAJOR CONTENTS	UNIT	TEST VALUE
STATOR RESISTANCE OF PHASE	OHM	0,0787
NO LOAD CURRENT	AMP	56,94
NO LOAD INPUT	kW	2,023
CORE LOSS(Pfe)	kW	1,245
WINDAGE FRICTION LOSS(Pfw)	kW	0,548
STATOR WINDING LOSS(Pcu1)	kW	1,427
ROTOR WINDING LOSS(Pcu2)	kW	0,662
STRAY LOAD LOSS(Ps)	kW	0,713
FULL LOAD CURRENT	AMP	134,6
LOCKED ROTOR CURRENT	AMP	900,7
LOCKED ROTOR CURRENT/FULL LOAD CURRENT	P.U.	6,7
FULL LOAD TORQUE	N.m	722,8
LOCKED ROTOR TORQUE	N.m	1669,8
LOCKED ROTOR TORQUE/FULL LOAD TORQUE	P.U.	2,31
PULL OUT TORQUE	N.m	2103,5
PULL OUT TORQUE/FULL LOAD TORQUE	P.U.	2,91
EFFICIENCY @ FULL LOAD	%	94,2
EFFICIENCY @ 75% LOAD	%	95,1
POWER FACTOR @ FULL LOAD		0,85
FULL LOAD SLIP	%	0,86
FULL LOAD SPEED	r/min	991
STATOR WINDING TEMPERATURE RISE	K	65
D.E. BEARINGS TEMPERATURE BY PT100	Deg. C	58,7
SOUND POWER LEVEL	dB(A)	76
VIBRATION	mm/s	2,0

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

VALIADIS S.A. K315S-6 75 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE		REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		