

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

RESULT SUMMARY

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA	IEC TYPE	15 KW	976 RPM
K180L-6 FRAME	3 PHASE	400 VOLTS	50 HZ / CYCLES
89.6 EFFICIENCY	28.8 AMPS	55 IP	IC411 IC
6 POLE	S1 DUTY	0.838 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	0.529
NO LOAD CURRENT				AMP	13.12
NO LOAD INPUT				kW	0.729
CORE LOSS(Pfe)				kW	0.507
WINDAGE FRICTION LOSS(Pfw)				kW	0.104
STATOR WINDING LOSS(Pcu1)				kW	0.660
ROTOR WINDING LOSS(Pcu2)				kW	0.370
STRAY LOAD LOSS(Ps)				kW	0.084
FULL LOAD CURRENT				AMP	28.83
LOCKED ROTOR CURRENT				AMP	188.87
LOCKED ROTOR CURRENT/FULL LOAD CURRENT				P.U.	6.6
LOCKED ROTOR INPUT @ FULL LOAD				kW	64.27
FULL LOAD TORQUE				N.m	146.80
LOCKED ROTOR TORQUE				N.m	347.16
LOCKED ROTOR TORQUE/FULL LOAD TORQUE				P.U.	2.36
PULL OUT TORQUE				N.m	429.8
PULL OUT TORQUE/FULL LOAD TORQUE				P.U.	2.93
PULL UP TORQUE				N.m	278.78
PULL UP TORQUE/FULL LOAD TORQUE				P.U.	1.90
EFFICIENCY @ FULL LOAD				%	89.64
POWER FACTOR @ FULL LOAD					0.838
FULL LOAD SLIP				%	2.377
FULL LOAD SPEED				r/min	976
STATOR WINDING TEMPERATURE RISE	30	SECS		K	59.8
D.E. BEARINGS TEMPERATURE BY PT100				Deg. C	69.5
TEMPERATURE ON LEADS BY PT100				Deg. C	54.8
TEMPERATURE IN TERMINAL BOX BY PT100				Deg. C	50.9
AMBIENT TEMPERATURE OF TESTING				Deg. C	19.5
SOUND PRESSURE LEVEL				dB(A)	65
VIBRATION				mm/s	1.9
MOMENT OF INERTIA				kgm2	0.2070
WEIGHT				kg	195

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

VALIADIS S.A.	SCALE	N/A	
	DATE	2003.04.19	REV
	DRAWN		DOCUMENT NO.
	APPRVD		
K180L-6 15 kW	CHECKED		
400 VOLTS	50 Hz		

VALIADIS S.A.

ELECTRIC MOTOR TEST REPORT - THREE PHASE INDUCTION MOTOR

NAMEPLATE DATA

K180L-6 FRAME

89.6 EFFICIENCY

6 POLE

VALIADIS MANUFACTURER

IEC TYPE

3 PHASE

28.8 AMPS

S1 DUTY

SERIAL NO.

15 KW

400 VOLTS

55 IP

0.838 PF

F INS.CLASS

976 RPM

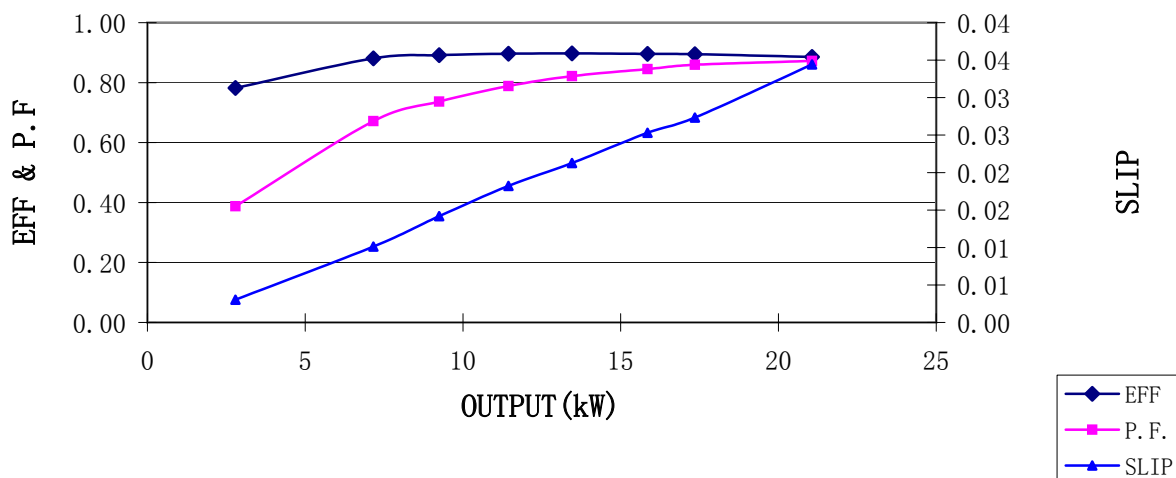
50 HZ / CYCLES

IC411 IC

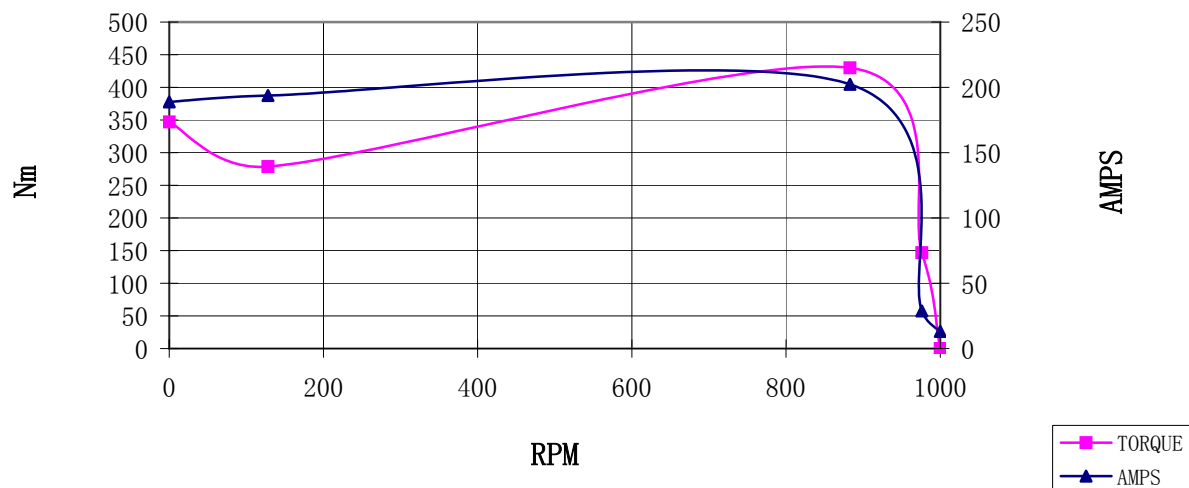
N/A EFF2

DELTA CONNECTION

LOAD



TORQUE & AMPS VS SLIP



VALIADIS S.A.

SCALE

N/A

DATE

2003.04.19

REV

K180L-6

DRAWN

DOCUMENT NO.

15

kW

APPRVD

400 VOLTS

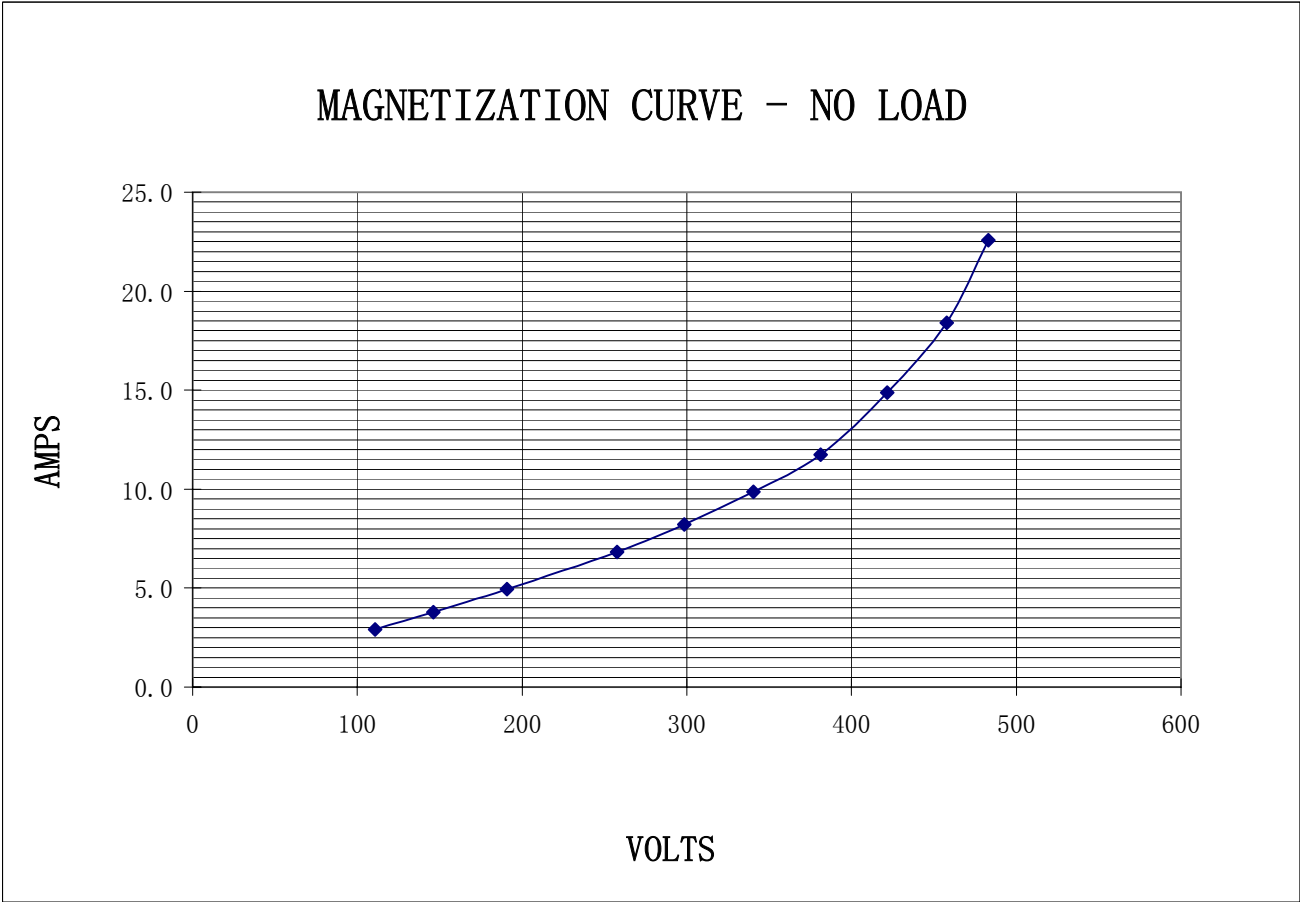
50 Hz

CHECKED

VALIADIS S.A.

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VALIADIS MANUFACTURER	SERIAL NO.	F INS.CLASS	DELTA CONNECTION



VALIADIS S.A. K180L-6 15 kW 400 VOLTS 50 Hz	SCALE	N/A	
	DATE	2003.04.19	REV
	DRAWN		DOCUMENT NO.
	APPRVD		
	CHECKED		