

ELECTRICAL TEST RESULTS

Customer :	IMfinity® IE3	Serial Nr :	Type test report
Elec. code :	WW14A202	Test Nr :	14-238
Tested in accordance with : IEC 60034-2-1 (Low Uncertainty)			

MOTOR

Frame :	FLSES315LA	Mounting :	B3
Polarity :	4	Duty :	S1
Power (kW) :	160	Weight (kg) :	1055
Frequency (Hz) :	50	Ambiant (°C) :	40
Voltage (V) :	400	Insul. Cl :	F
Protection :	IP55		

TEMPERATURE RISE TEST

Stator cold (Ω)	0.017	à: 21 °C	ΔT Stator (K) :	70.6	
Stator hot (Ω)	0.023	à: 30 °C	à Pa (kW) =	167.186	à (V) : 400

TESTS ON LOAD

Voltage (V):		400		Frequency (Hz) :		50			
	m.N	I (A)	Pa (kW)	N (min-1)	g (%)	Pu (kW)	η (%)	Cos φ	
0		79.8	2.10	1500.0				0.038	
25	255.1	105.3	42.35	1496.5	0.23	39.98	94.39	0.581	
50	511.6	154.0	83.19	1492.5	0.50	79.96	96.12	0.780	
75	778.8	212.1	126.11	1488.9	0.74	121.43	96.29	0.848	
85	877.1	237.6	141.95	1486.4	0.91	136.53	96.18	0.859	
100	1031.9	276.6	167.19	1484.8	1.01	160.45	95.97	0.870	
115	1178.5	317.9	191.46	1481.4	1.24	182.82	95.49	0.875	
125	1290.6	346.1	209.99	1479.3	1.38	199.93	95.21	0.876	

TORQUE TESTS

FLT = 1031.9 m.N	FLC = 276.6 A
LRT = 2369.4 m.N	LRC = 1795.9 A
BDT = 2630.0 m.N	BD SPEED = 1425 min-1
LRT/FLT = 2.30	BDT/FLT = 2.55
	LRC/FLC = 6.49

Dielectric test : 1800 V during 60s

Insulation test : >100 MΩ at 500V

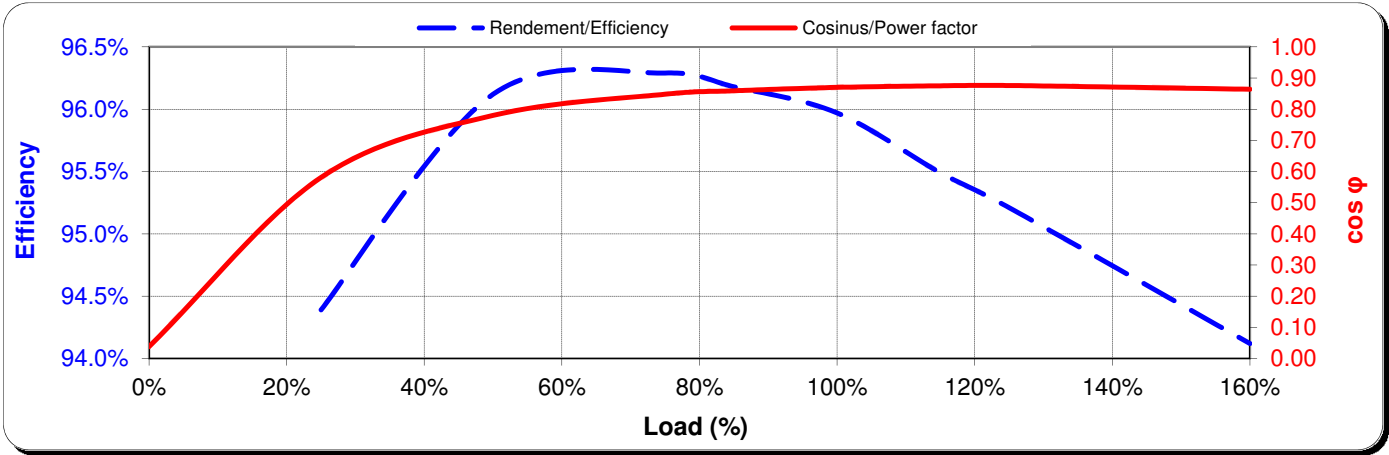
Quality check:

Leroy Somer : B. ZAUGG
Date

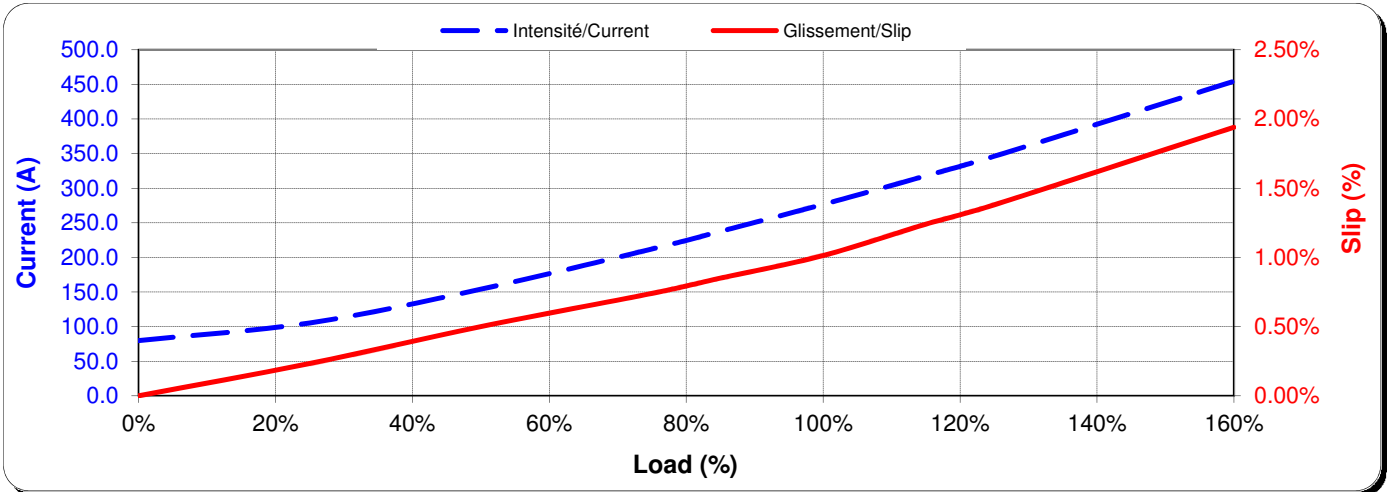
Motor(s) N° comply with above type test results-
Tolerances according to IEC 60034-1
Data Sheet according to EN 10204-3-1

Frame : FLSES315LA Power : 160.0kW Serial Nr : Type test report	Test Nr : 14-238 Polarity : 4P Voltage-Frequency : 400VD - 50Hz
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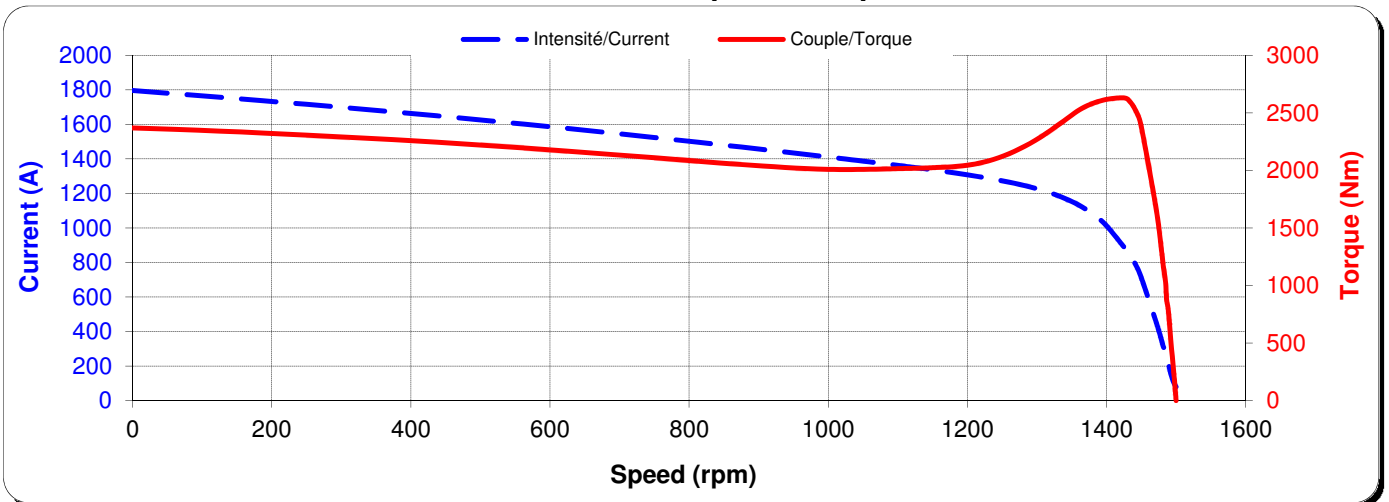
Efficiency and power factor versus load



Current and slip versus load



Current and torque versus speed



*It is the user's responsibility to check that his configurator's version is updated.
The above mentioned data are for information, and should be subject to a special agreement from LEROY-SOMER to become contractual.
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