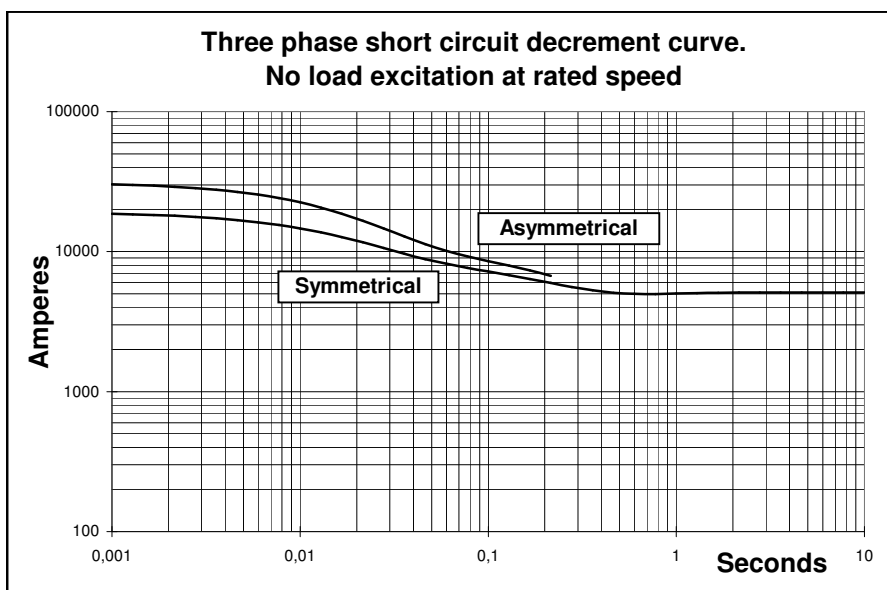
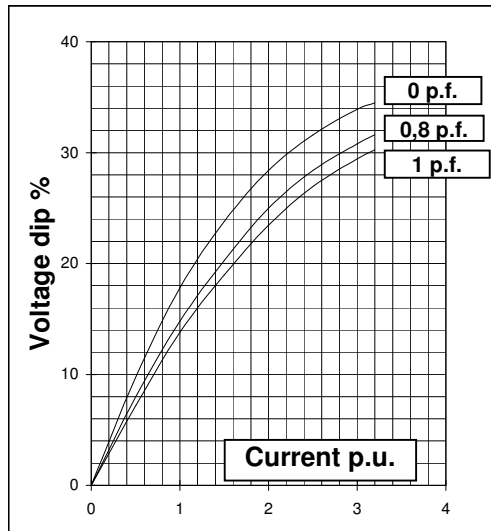
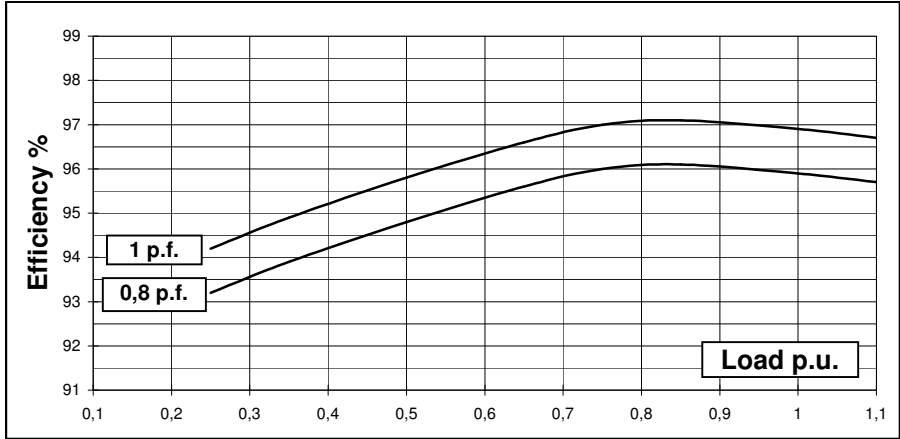


Electrical Characteristics			
Frequency		Hz	60
Voltage (parallel star)		V	380
Rated power class H		kVA	1050
		kW	840
Rated power class F		kVA	959
		kW	767
Regulation with		DSR	±1% with any power factor and speed variations between -5% +30%
Insulation class			H
Execution			Brushless
Stator winding			12 ends
Rotor			with damping cage
Efficiencies class H	4/4	%	95,9
(see graph. for details)	3/4	%	96
	2/4	%	94,8
	1/4	%	93,2
Reactances (f. l.cl. F)			
	Xd	%	396
	Xd'	%	17,5
	Xd''	%	8,3
	Xq	%	163
	Xq'	%	163
	Xq''	%	20,5
	X ₂	%	14,4
	X ₀	%	3,9
Short Circuit Ratio	Kcc		0,4
Time Constants			
	Td'	sec.	0,21
	Td''	sec.	0,018
	Tdo'	sec.	7,5
	Tα	sec.	0,02
Short Circuit Current Capacity		%	>300
Excitation at no load		Amp.	0,5
Excitation at full load		Amp.	2,9
Overload (long-term)		%	1 hour in a 6 hours period 110% rated load
Overload per 20 sec.		%	300
Stator Winding Resistance (20 °C)		Ω	0,0086
Rotor Winding Resistance (20 °C)		Ω	2,300
Exciter Resistance (20 °C)		Ω	Rotor : 0,130 Stator : 10,63
Heat dissipation at f.l.cl.H		W	35.912
Telephone Interference			THF < 2% TIF < 40
Radio interference			EN61000-6-3, EN61000-6-1. For others standards apply to factory
Waveform Distors.(THD) at f. load	LL/LN %		2,1 / 2,4
Waveform Distors.(THD) at no load	LL/LN %		2,9 / 3,1
Mechanical characteristics			
Protection			IP 21 (other protection on request)
DE bearing			6324
NDE bearing			6322
Weight of wound stator assembly		kg	731
Weight of wound rotor assembly		kg	551
Weight of complete generator		kg	2090
Maximun overspeed		rpm	2250
Unbalanced magnetic pull at f.l.cl.F		kN/mm	5,7
Cooling air requirement		m ³ /min	108
Inertia Constant (H)		sec.	0,306
Noise level at 1m/7m		dB(A)	99 / 89

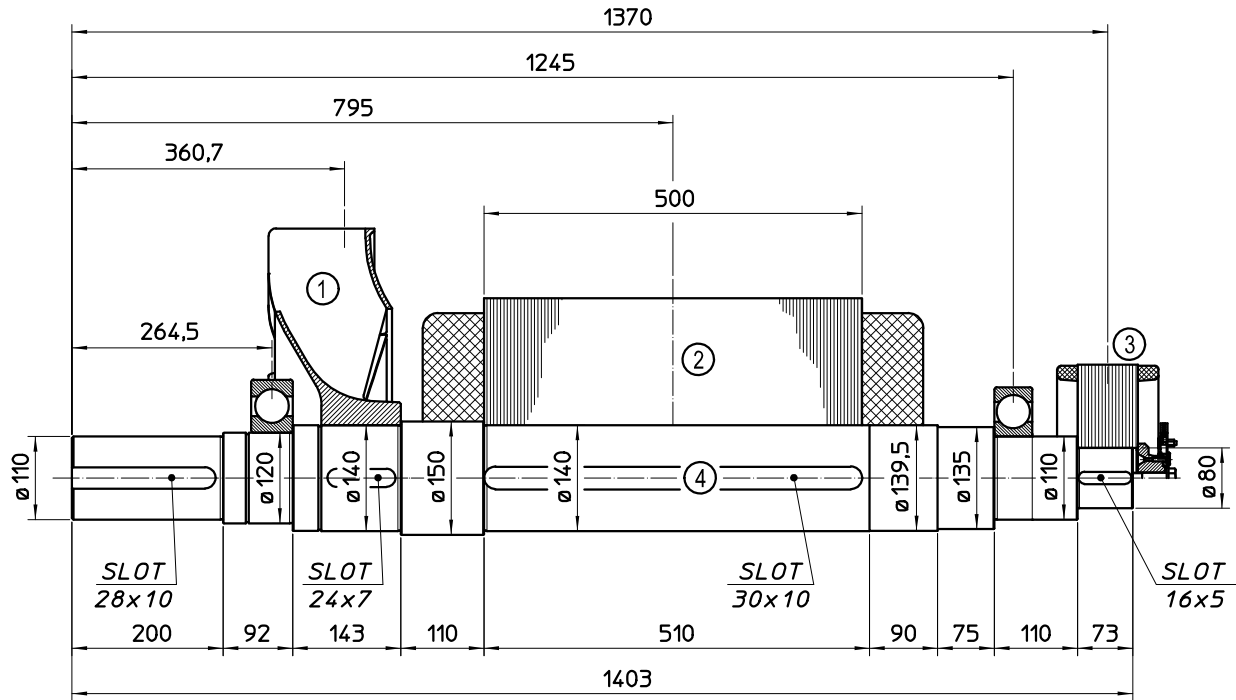
All technical data are to be considered as a reference and they can be modified without any notice.

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380V - 60 Hz

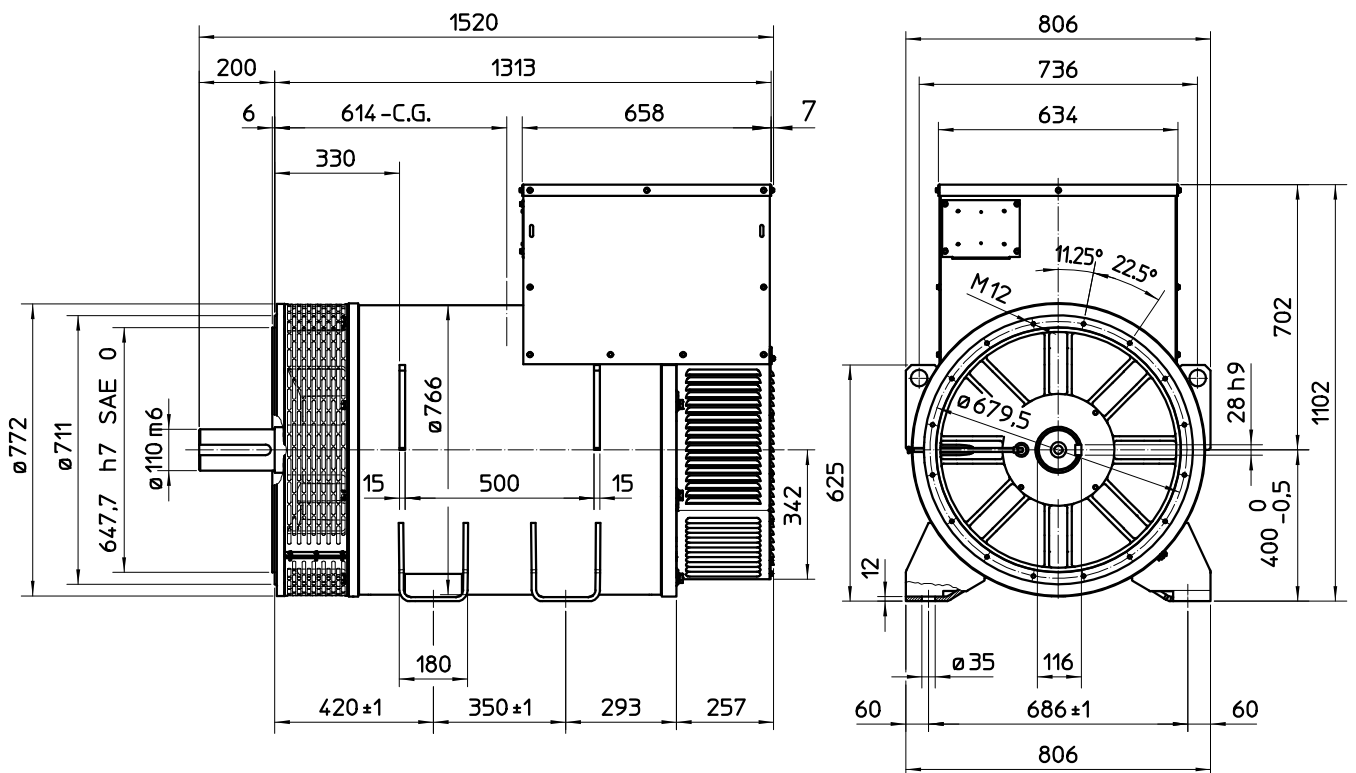


TWO BEARING MOMENTS OF INERTIA

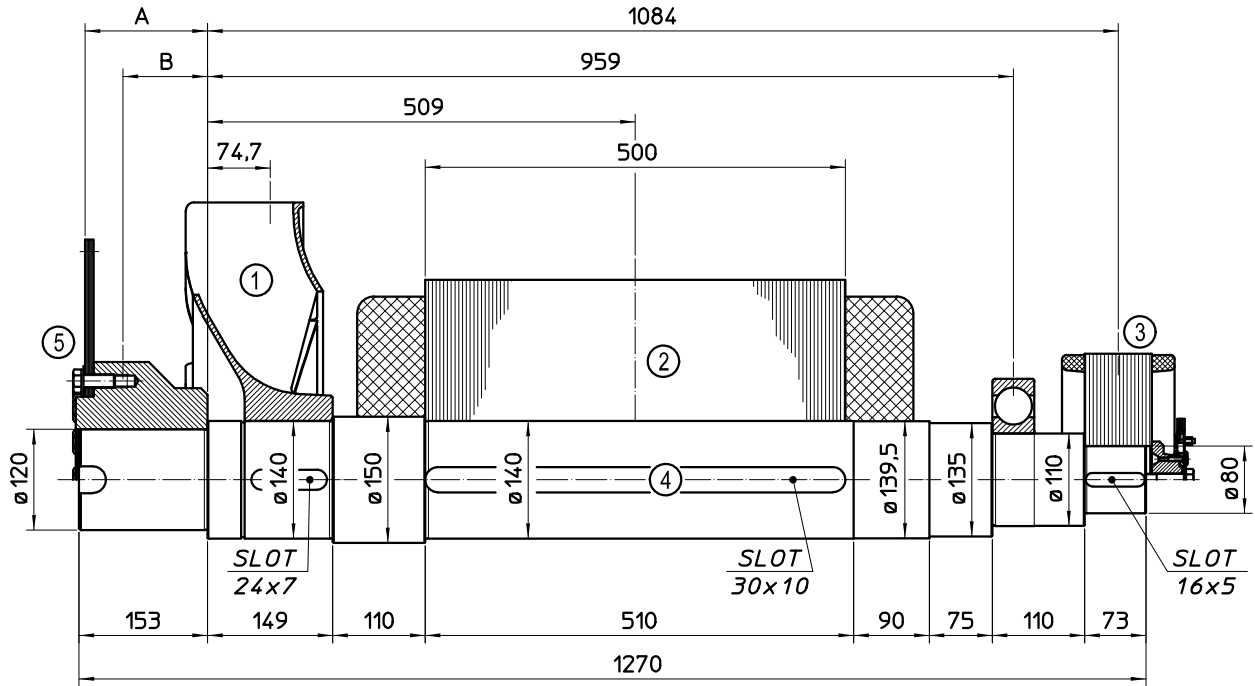


POS.	COMPONENT	WEIGHT (kg)	J (kgm^2)
1	FAN	16.3	0.646
2	MAIN ROTOR	551	16.965
3	EX. ROTOR	40	0.629
4	SHAFT	147.1	0.426
TOTAL		754.4	18.666

TWO BEARING DIMENSIONS



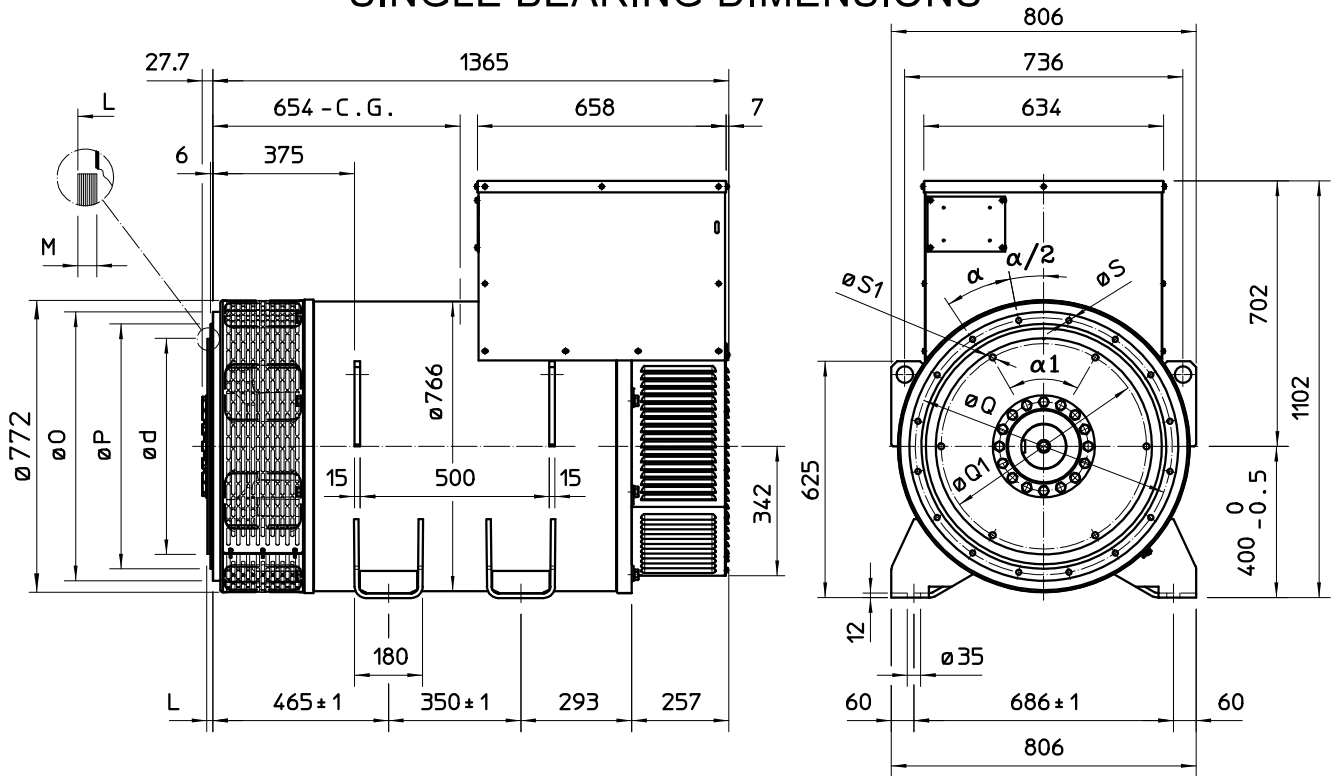
SINGLE BEARING MOMENTS OF INERTIA



POS.	COMPONENT	WEIGHT (kg)	J (kgm ²)
1	FAN	16.3	0.646
2	MAIN ROTOR	551	16.965
3	EX. ROTOR	40	0.629
4	SHAFT	136	0.314
TOTAL		743.3	18.554

POS.	COMPONENT	SAE N°	A	B	WEIGHT (kg)	J (kgm ²)
5	SHAFTS COUPLING FLEX PLATE	14	155.7	99.5	56.3	0.824
		18	145.7	100.7	60.8	1.244
		21	130	98.5	68.9	2.231

SINGLE BEARING DIMENSIONS



SAE N°	FLANGE					
	O	P	Q	S	HOLES N°	α
1	711	511.2	530.2	12	12	30
0	711	647.7	679.5	14	16	22.5
00	883	787.4	850.9	14	16	22.5

SAE N°	DISC COUPLING						
	d	L	M	Q1	S1	HOLES N°	$\alpha 1$
14	466.72	25.4	10	438.15	13.5	8	45
18	571.5	15.7	10	542.92	16.5	6	60°
21	673.1	0	12	641.35	16.5	12	30°

C.G.= GRAVITY CENTER