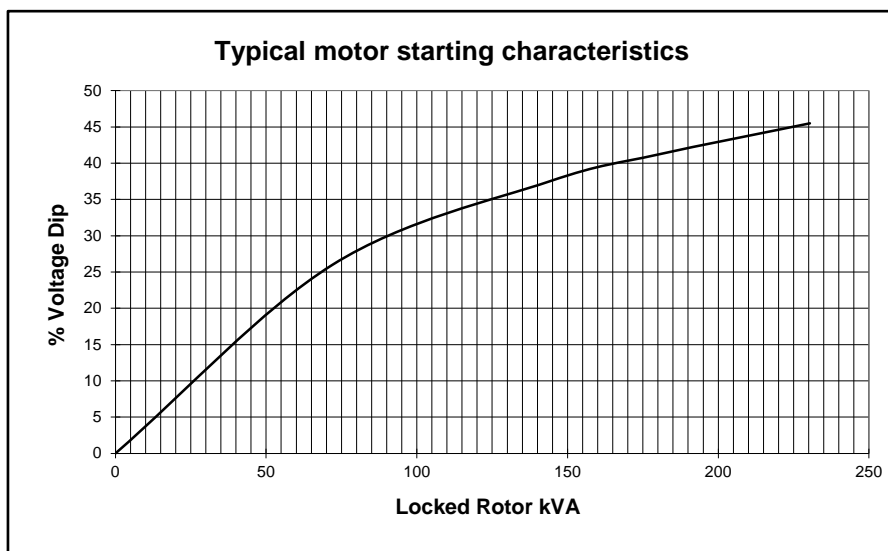
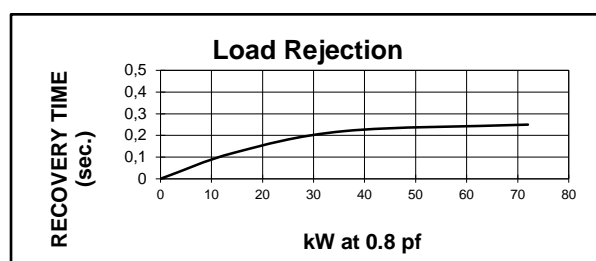
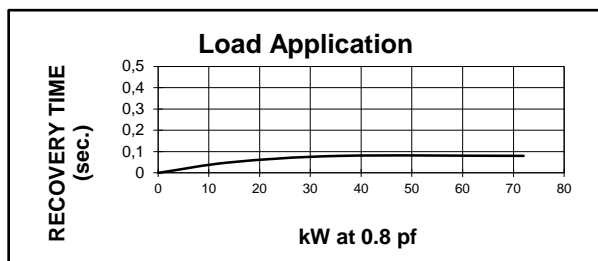
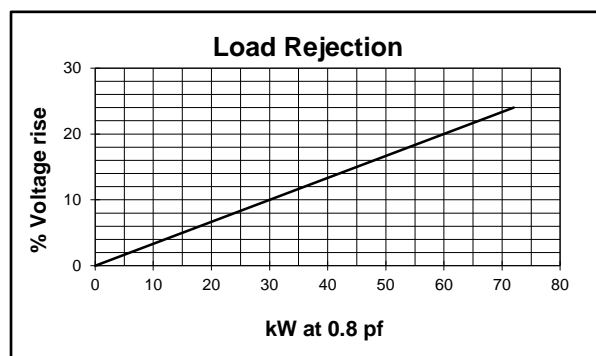
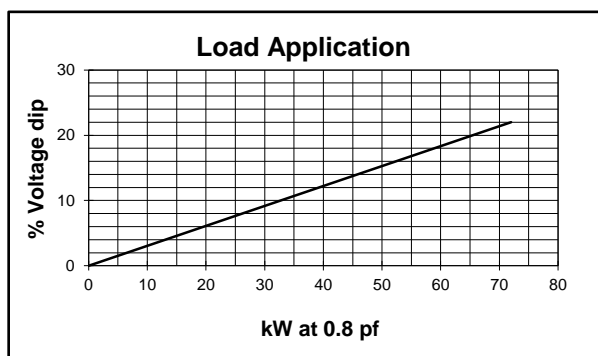
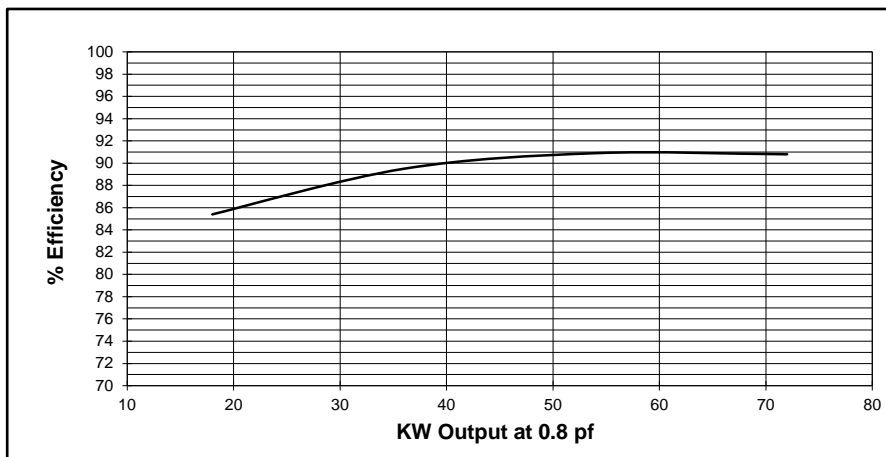


Electrical Characteristics			
Frequency	Hz		400
Voltage (star)	V		208
Rated power class H (125°C)	kVA		90
	kW		72
Rated power class F (105°C)	kVA		85
	kW		68
Rated power class B (80°C)	kVA		72
	kW		58
Regulation with	UVR6/1-H400B	±1% with any power factor and speed variations between -5% +30%	
Insulation class			H
Execution			Brushless
Stator winding			12 ends
Submittal Data : 208V, 90KVA, 1846RPM, 400Hz, 3 Phase			MIL-STD-705D
Efficiencies	4/4	%	90,8
(see graph. for details)	3/4	%	90,9
	2/4	%	89,5
	1/4	%	85,4
Reactances	Xd	p.u.	0,72
	Xd'	p.u.	0,27
	Xd''	p.u.	0,22
	Xq	p.u.	0,64
	Xq'	p.u.	0,64
	Xq''	p.u.	0,30
	X ₂	p.u.	0,21
	X ₀	p.u.	0,08
Short Circuit Ratio	Kcc		1,62
Time Constants	Td'	sec.	0,05
	Td''	sec.	0,010
	Tdo'	sec.	0,55
	Tα	sec.	0,11
Short Circuit Current Capacity		%	>300
Excitation at no load	Amp.		0,95
Excitation at full load	Amp.		2,5
Overload (long-term)	%	1 hour in a 6 hours period 110% rated load	
Overload per 20 sec.	%		300
Stator Winding Resistance (20°C)	Ω		0,006
Rotor Winding Resistance (20°C)	Ω		4,2
Exciter Resistance (20 °C)	Ω	Rotor : 0,682 Stator : 14,40	
Heat dissipation	W		7295
Telephone Interference			Not Applicable
Radio interference			EN61000-6-3 EN61000-6-2. For others standards apply to factory
Waveform Distors.(THD) at f. load	% LL		3,2
Individual harmonic max. at f. load	% LL		2,5
Insulation resistance	MΩ		> 2
High Potential Test	Volts	Main Stator : 2000 Main Rotor : 1500	
	Volts	Exciter Stator : 1500 Exciter Rotor : 1500	
Phase sequence			1 - 5 - 9
Mechanical characteristics			
Protection		IP 23 (other protection on request)	
DE bearing			6318.2RS
NDE bearing			6314.2RS
Weight of complete generator	kg		580
Synchronous Speed	rpm		1846
Maximun overspeed	rpm		2307
Cooling air requirement	m³/min		38
Noise level at 1m/7m	dB(A)		85 / 72

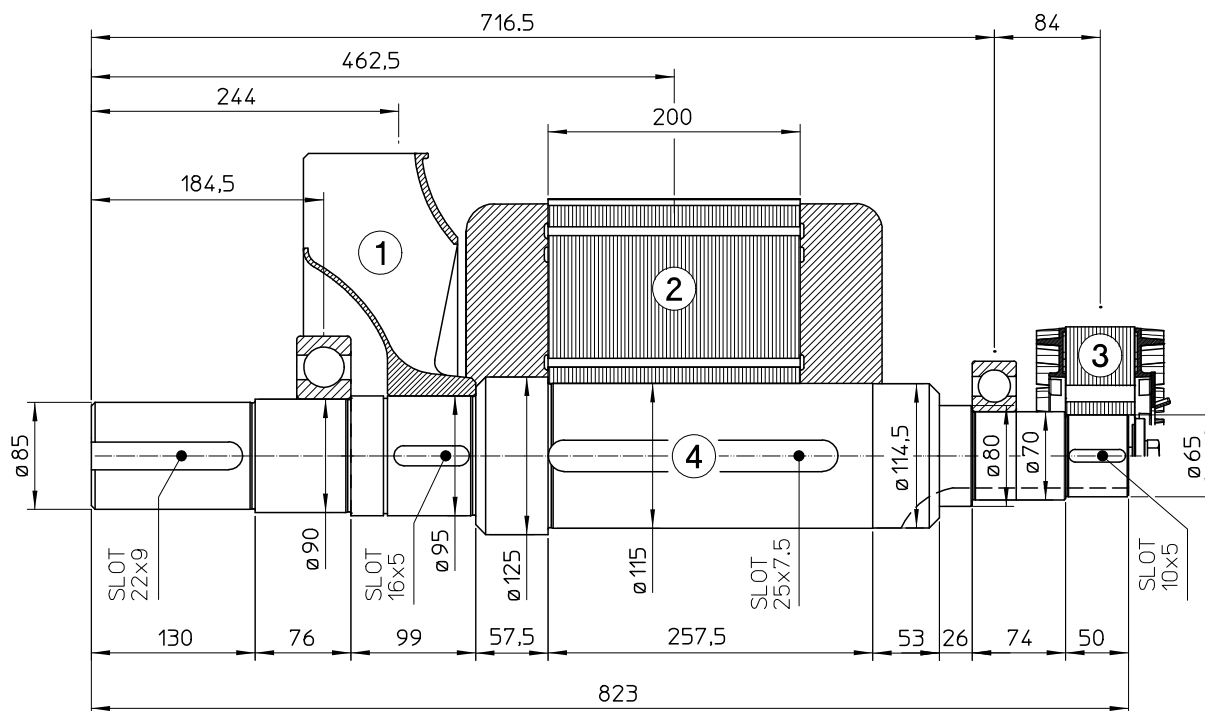
All technical data are to be considered as a reference and they can be modified without any notice.

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208V - 400Hz

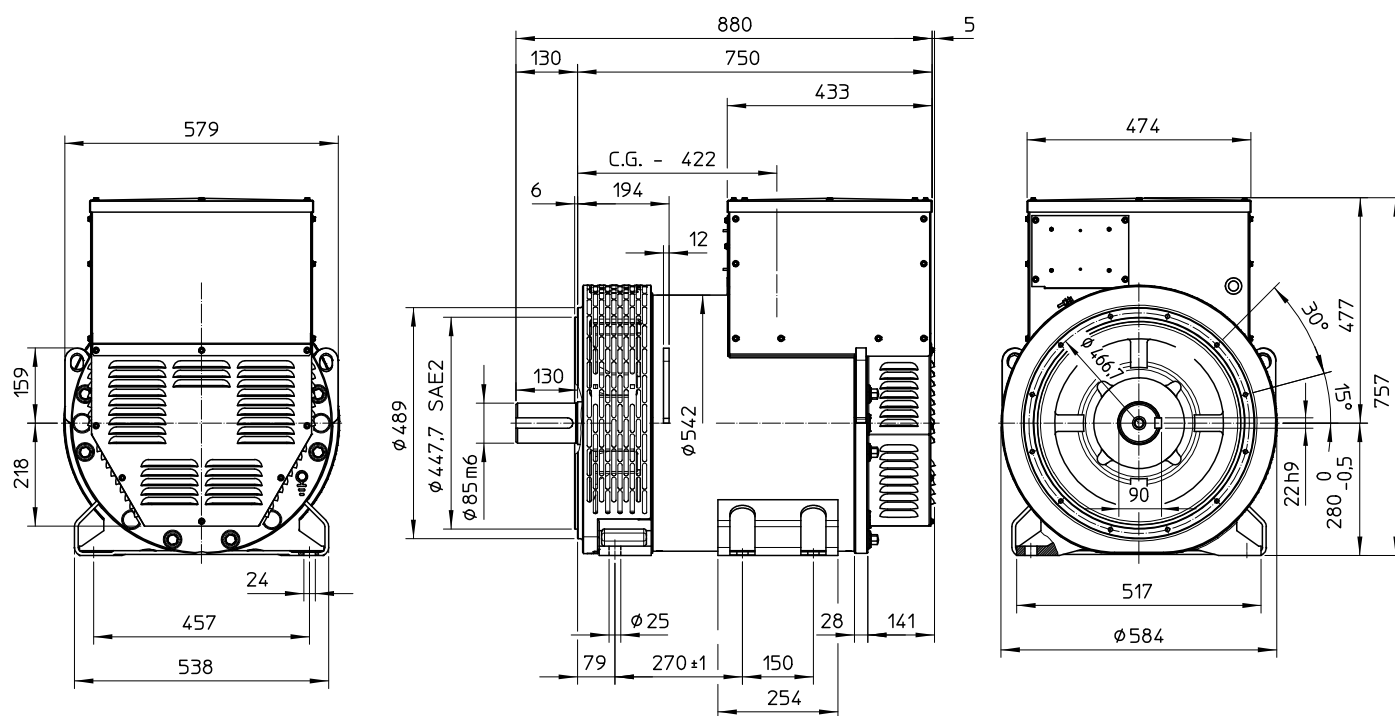


TWO BEARING MOMENTS OF INERTIA

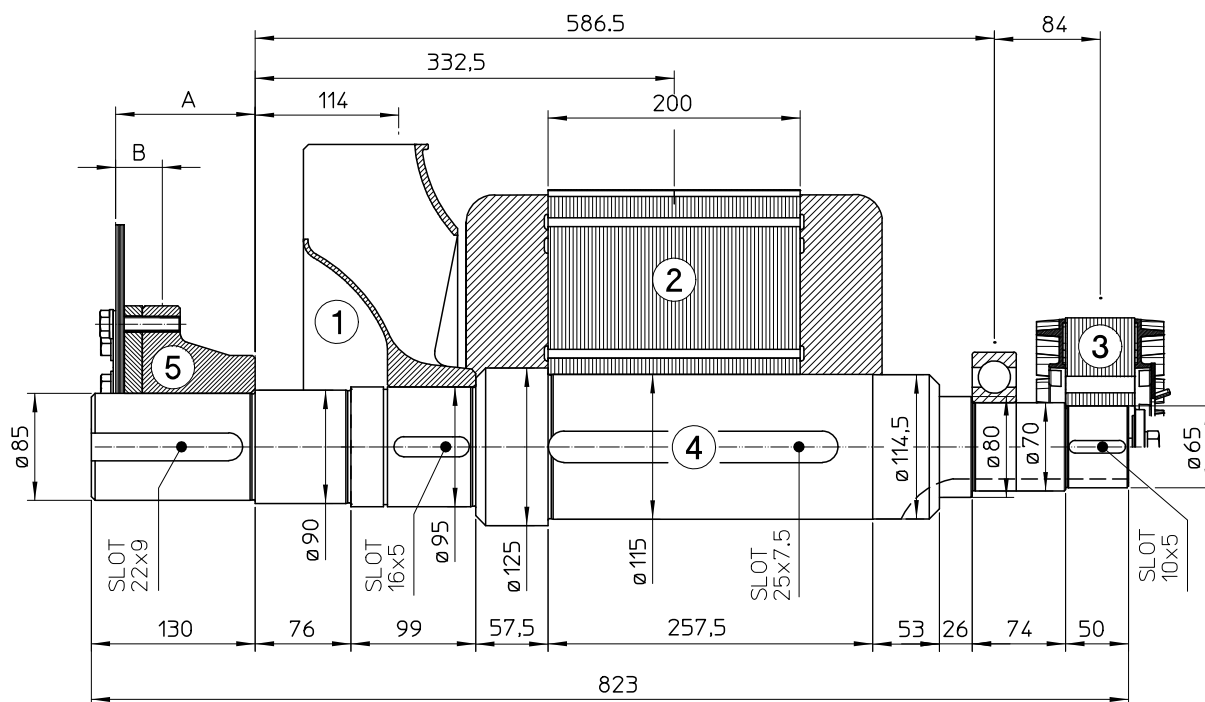


POS.	COMPONENT	WEIGHT (kg)	J (kgm ²)
1	FAN	6.5	0.1532
2	MAIN ROTOR	183.3	4.3993
3	EX. ROTOR	14.9	0.0977
4	SHAFT	49.5	0.0687
TOTAL		254.2	4.7189

TWO BEARING DIMENSIONS



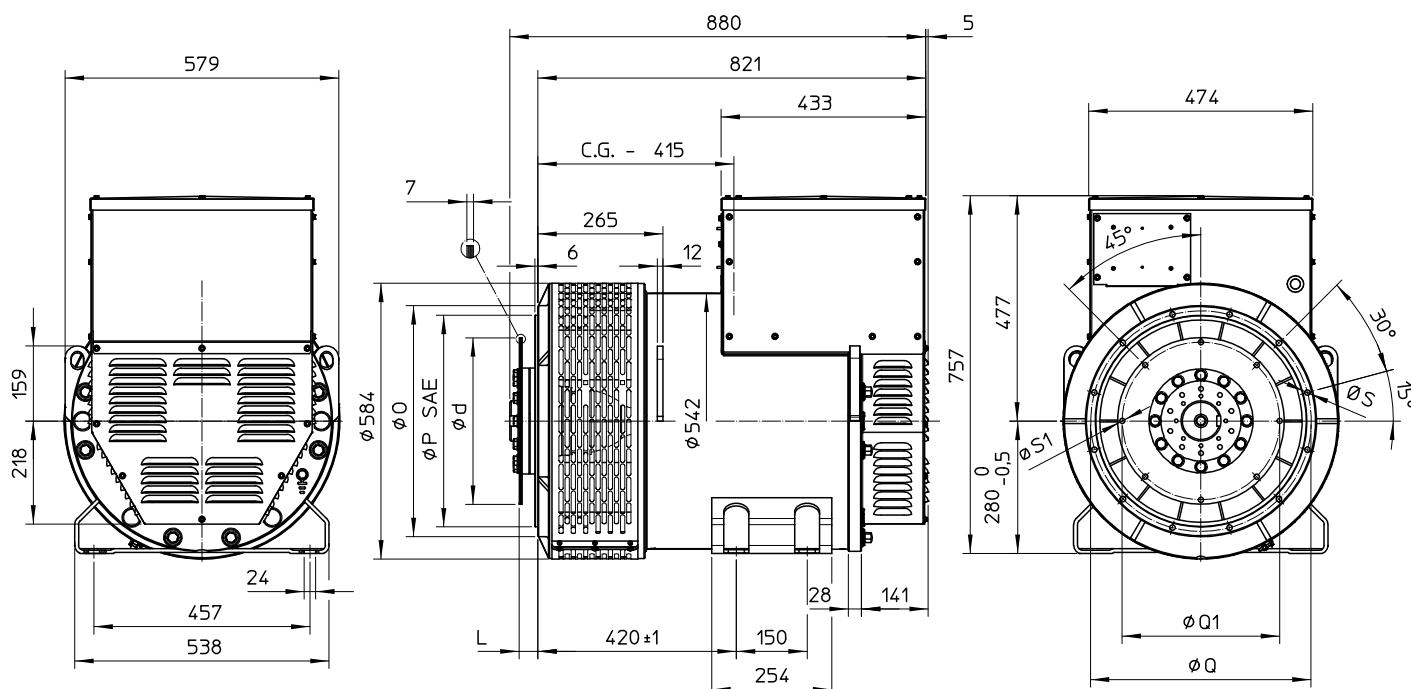
SINGLE BEARING MOMENTS OF INERTIA



POS.	COMPONENT	WEIGHT (kg)	J (kgm ²)
1	FAN	6.5	0.1532
2	MAIN ROTOR	183.3	4.3993
3	EX. ROTOR	14.9	0.0977
4	SHAFT	49.5	0.0687
TOTAL		254.3	4.7189

SAE N°	A	B	WEIGHT kg	J kgm ²
11.5	110.4	37	19.5	0.170
14	96.4	24	22.2	0.329

SINGLE BEARING DIMENSIONS



SAE N.	O	P	Q	S
3	451	409.6	428.6	11
2	490	447.7	466.7	11
1	552	511.2	530.2	11
1/2	648	584.2	619.1	14

SAE N.	d	L	Q1	S1
11 1/2	352.42	39.6	333.37	11
14	466.72	25.4	438.15	13.5

C.G.= GRAVITY CENTER