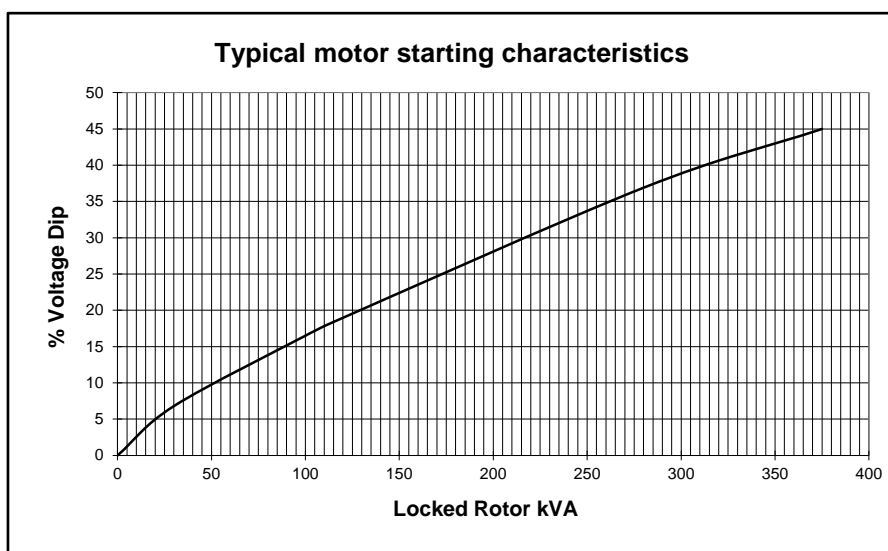
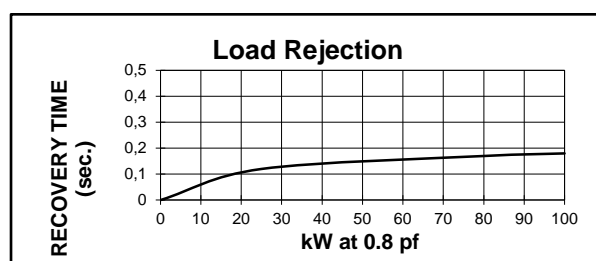
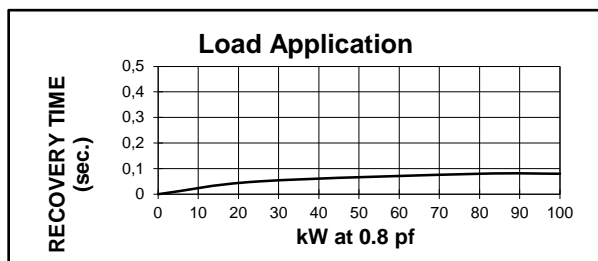
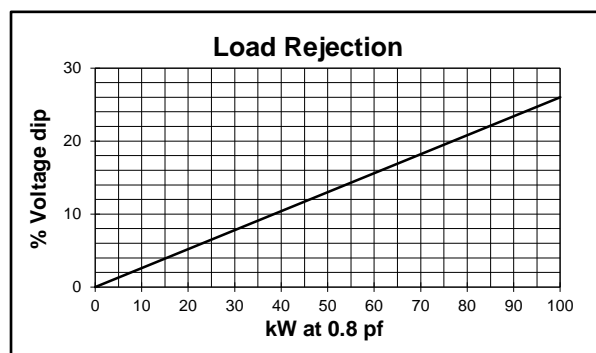
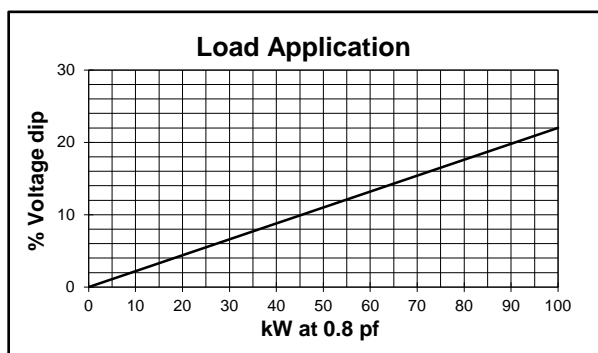
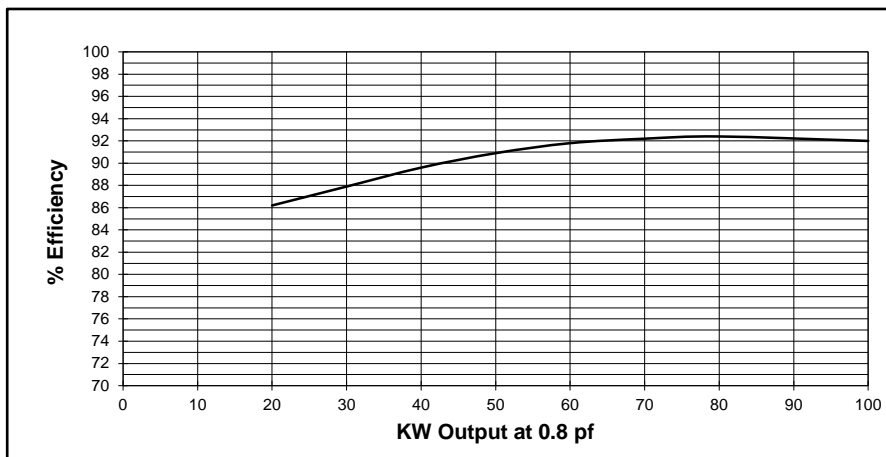


Electrical Characteristics			
Frequency	Hz	400	
Voltage (star)	V	208	
Rated power class H (125°C)	kVA	125	
	kW	100	
Rated power class F (105°C)	kVA	115	
	kW	92	
Rated power class B (80°C)	kVA	100	
	kW	80	
Regulation with	UVR6/1-H400B	±1% with any power factor and speed variations between -5% +30%	
Insulation class		H	
Execution		Brushless	
Stator winding		12 ends	
Submittal Data : 208V, 125KVA, 2400RPM, 400Hz, 3 Phase		MIL-STD-705C	
Efficiencies	4/4	%	92,4
(see graph. for details)	3/4	%	91,8
	2/4	%	89,6
	1/4	%	86,2
Reactances	Xd	p.u.	1,52
	Xd'	p.u.	0,19
	Xd''	p.u.	0,12
	Xq	p.u.	1,10
	Xq'	p.u.	1,10
	Xq''	p.u.	0,27
	X ₂	p.u.	0,18
	X ₀	p.u.	0,04
Short Circuit Ratio	Kcc		0,43
Time Constants	Td'	sec.	0,04
	Td''	sec.	0,01
	Tdo'	sec.	0,150
	Tα	sec.	0,11
Short Circuit Current Capacity		%	>300
Excitation at no load	Amp.		0,5
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	0,0163	
Rotor Winding Resistance (20°C)	Ω	4,213	
Exciter Resistance (20 °C)	Ω	Rotor : 0,412 Stator : 15,18	
Heat dissipation	W	8.225	
Telephone Interference		FHT < 2% ; TIF < 100	
Radio interference		EN61000-6-3 EN61000-6-1. For others standards apply to factory	
Waveform Distors.(THD) at f. load	% LL	4,5	
Individual harmonic max. at f. load	% LL	4	
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 21 (other protection on request)	
DE bearing		6314.2RS	
NDE bearing		6311.2RS	
Weight of complete generator	kg	380	
Synchronous Speed	rpm	2400	
Maximun overspeed	rpm	3000	
Cooling air requirement	m³/min	28	
Noise level at 1m/7m	dB(A)	88 / 74	

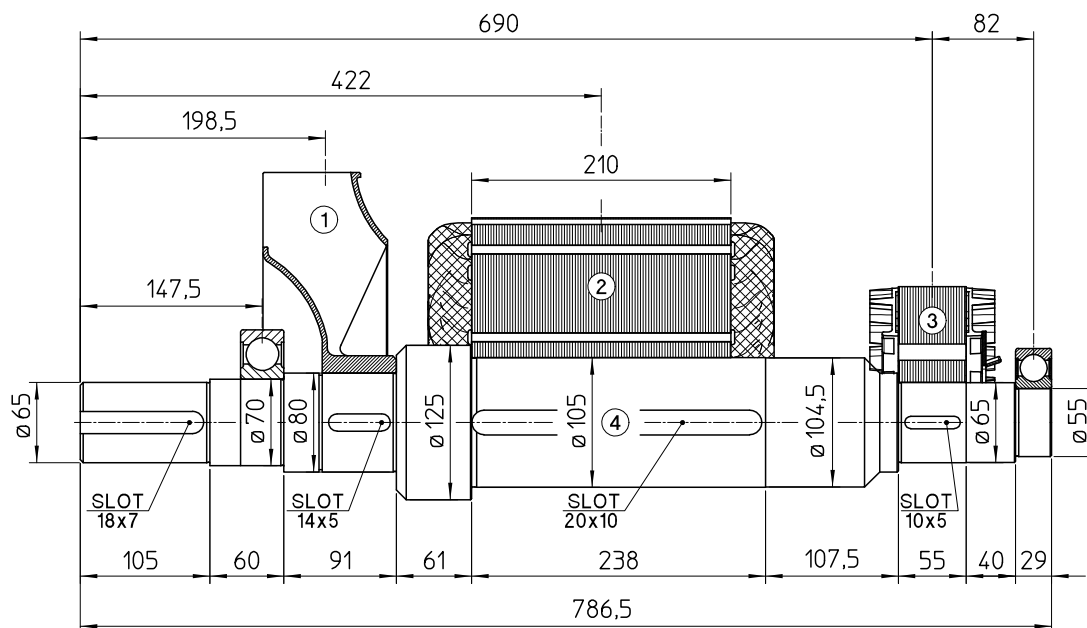
All technical data are to be considered as a reference and they can be modified without any notice.

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208V - 400Hz

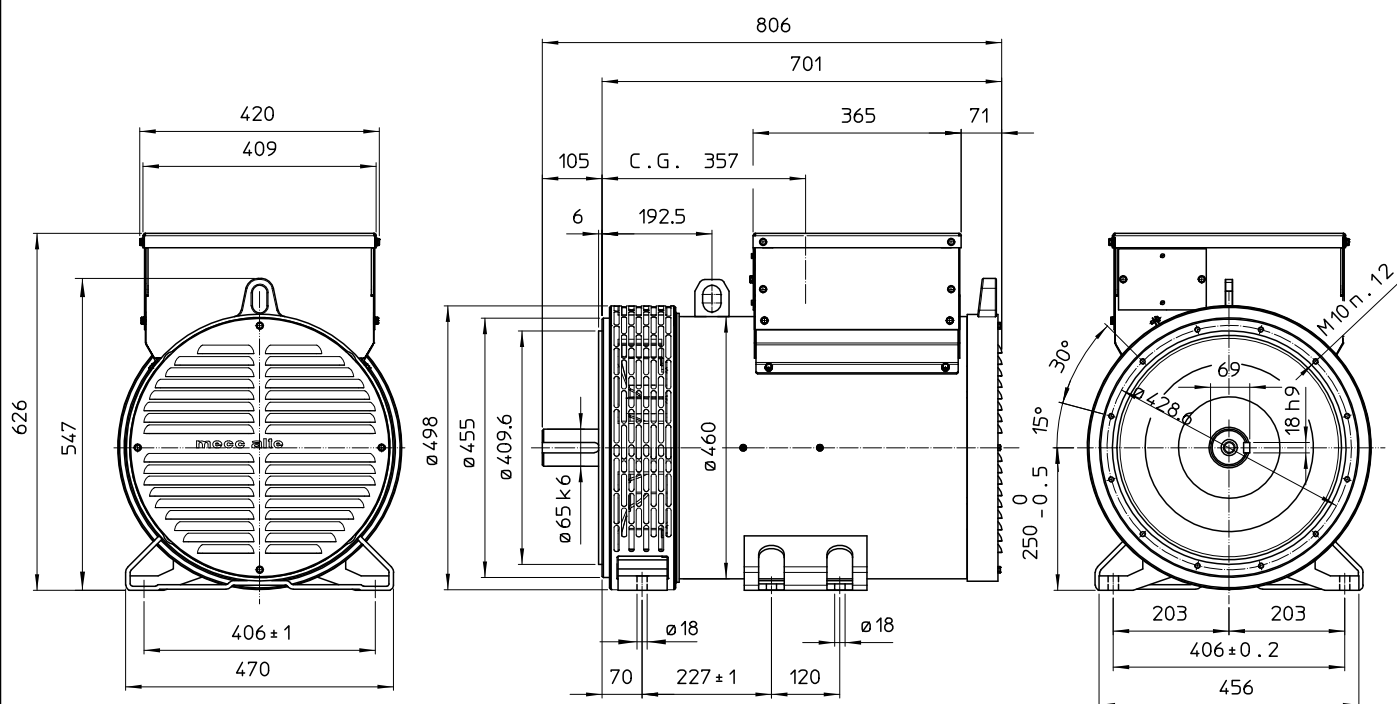


TWO BEARING MOMENTS OF INERTIA



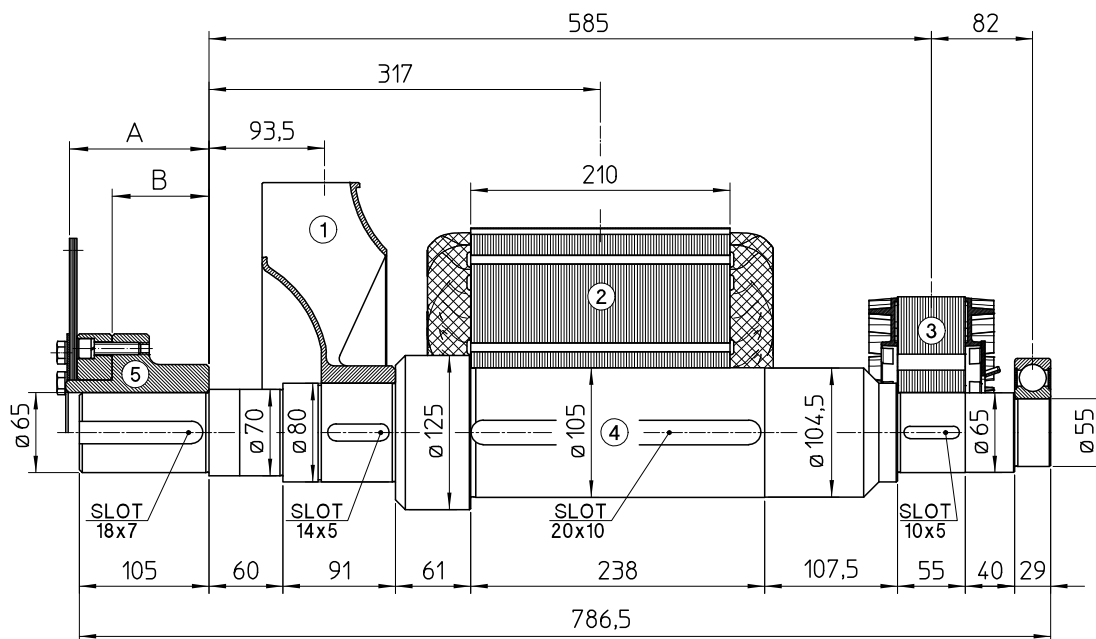
POS.	COMPONENT	WEIGHT (kg)	J (kgm ²)
1	FAN	3.6	0.0621
2	MAIN ROTOR	114.5	1.7501
3	EX. ROTOR	14.5	0.0874
4	SHAFT	38.8	0.0476
TOTAL		171.4	1.9472

TWO BEARING DIMENSIONS



C.G.= GRAVITY CENTER

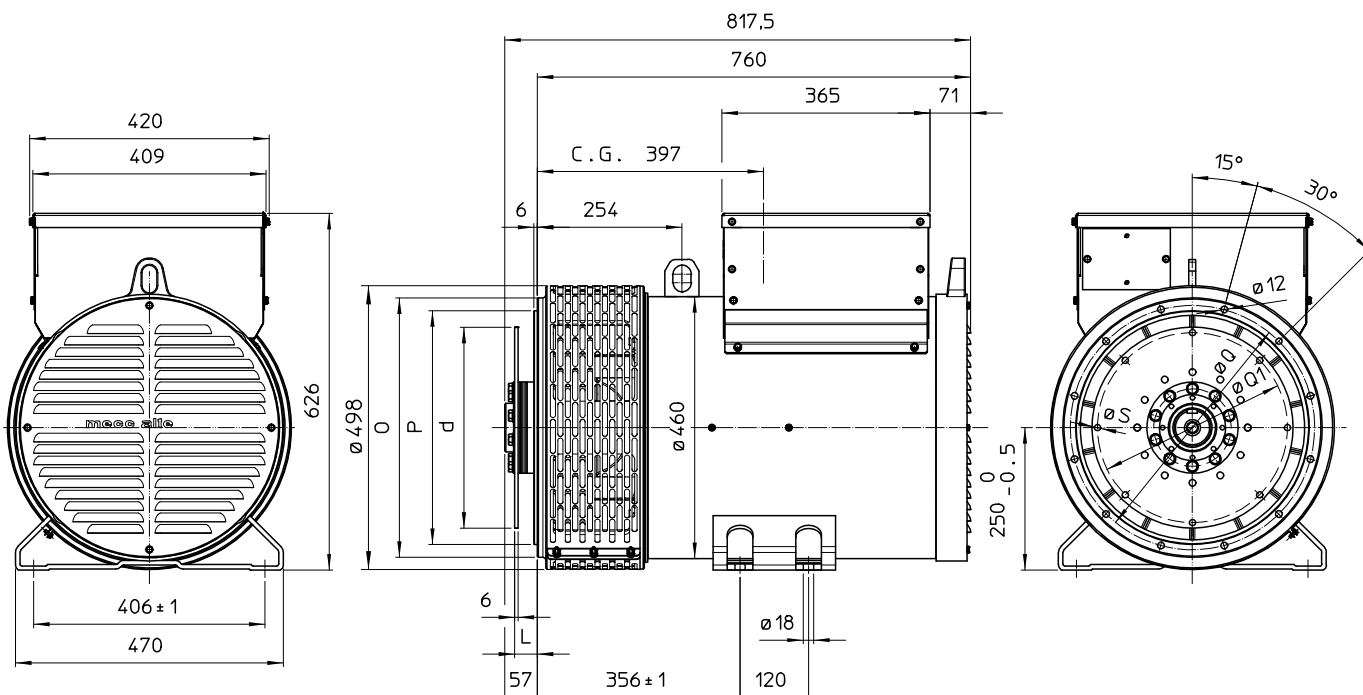
SINGLE BEARING MOMENTS OF INERTIA



POS.	COMPONENT	WEIGHT (kg)	J (kgm ²)
1	FAN	3.6	0.0621
2	MAIN ROTOR	114.5	1.7501
3	EX. ROTOR	14.5	0.0874
4	SHAFT	38.8	0.0476
TOTAL		171.4	1.9472

POS.	COMPONENT	SAE N°	A	B	WEIGHT (kg)	J (kgm ²)
5	SHAFTS COUPLING FLEX PLATE	10	112.8	77.2	13.5	0.0770
		11 1/2	98.4	71.5	12.4	0.0956
		14	84.4	68.6	14.8	0.2360

SINGLE BEARING DIMENSIONS



SAE N°	FLANGE		
	O	P	Q
3	451	409.6	428.6
2	489	447.7	466.7
1	552	511.2	530.2

SAE N°	DISC COUPLING			
	L	d	Q1	S
10	53.8	314.32	295.27	11
11 1/2	39.6	352.42	333.37	11
14	25.4	466.72	438.15	14

C.G.= GRAVITY CENTER