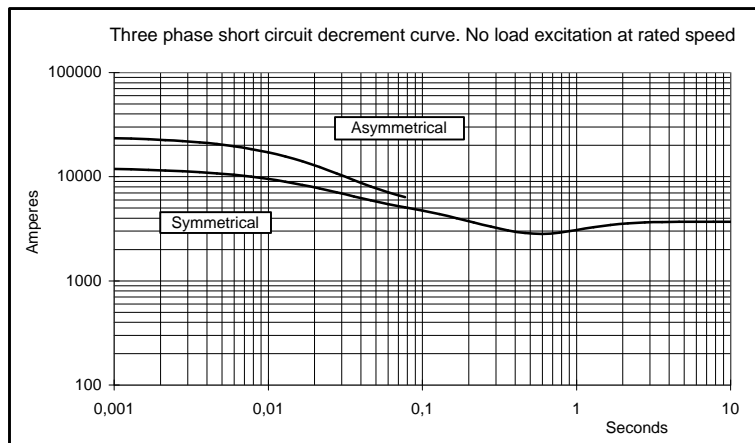
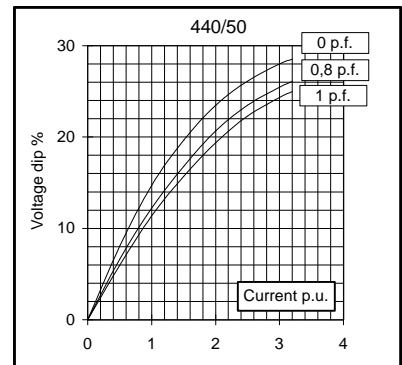
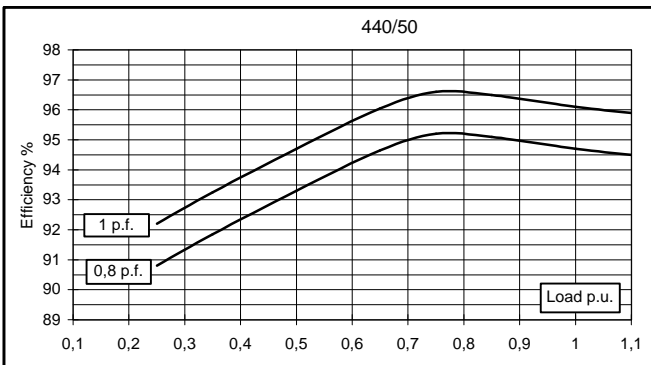
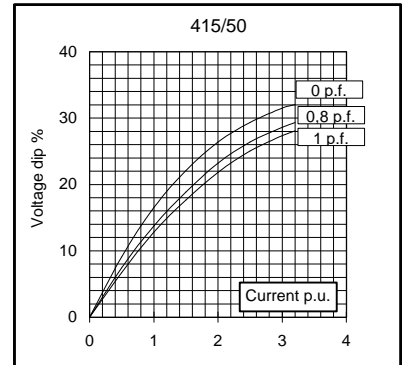
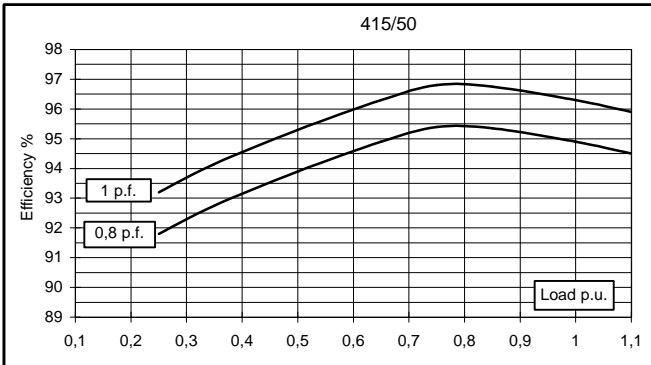
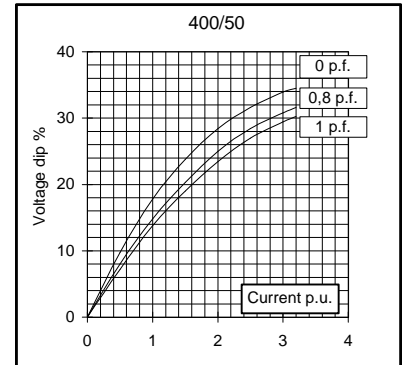
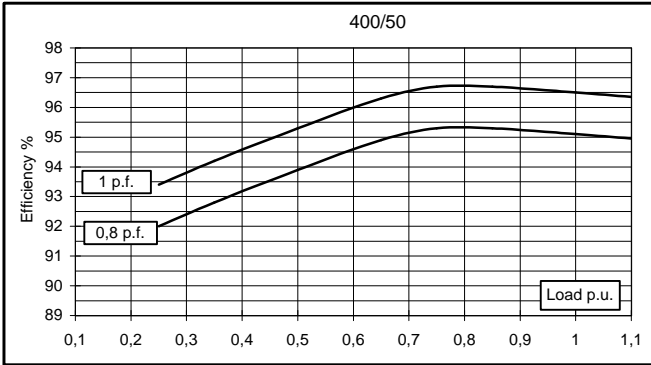
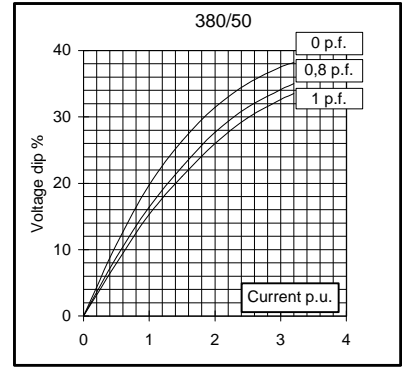
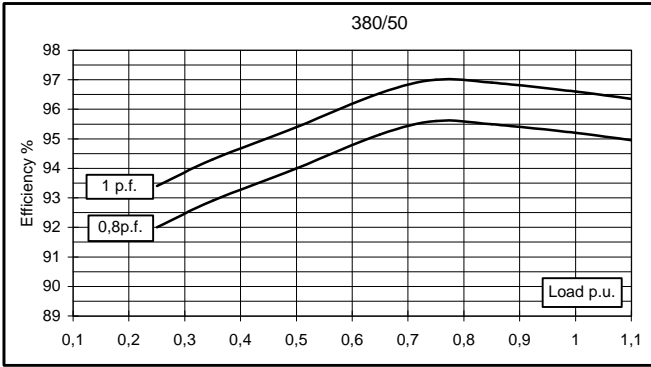


Electrical Characteristics										
Frequency	Hz	50				60				
Voltage (parallel star)	V	380	400	415	440	415	440	460	480	
Rated power class H	kVA	800	800	800	690	880	960	960	960	
	kW	640	640	640	552	704	768	768	768	
Rated power class F	kVA	730	730	730	610	800	870	870	870	
	kW	584	584	584	488	640	696	696	696	
Regulation with UVR6		±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	%	95,2	95,1	94,9	94,7	94,7	95,2	95,4	95,3
(see graph. for details)	3/4	%	95,6	95,3	95,4	95,2	95,3	95,5	95,9	95,6
	2/4	%	94	93,9	93,9	93,3	94,2	94,3	94,5	94,4
	1/4	%	92	92	91,8	90,8	92,9	93	93	93
Reactances (f. l.cl. F)	Xd	%	391,1	353	327,9	243,8	434,2	420,1	384,4	353
	Xd'	%	21,3	19,2	17,8	13,3	23,6	22,8	20,9	19,2
	Xd''	%	11,0	9,9	9,2	6,8	12,2	11,8	10,8	9,9
	Xq	%	167,3	151	140,3	104,3	185,8	179,7	164,4	151
	Xq'	%	167,3	151	140,3	104,3	185,8	179,7	164,4	151
	Xq''	%	23,5	21,2	19,7	14,6	26,1	25,2	23,1	21,2
	X ₂	%	17,3	15,6	14,5	10,8	19,2	18,6	17,0	15,6
	X ₀	%	3,7	3,3	3,1	2,3	4,1	3,9	3,6	3,3
Short Circuit Ratio	Kcc		0,45	0,50	0,55	0,65	0,36	0,40	0,45	0,50
Time Constants	Td'	sec.	0,225							
	Td''	sec.	0,0182							
	Tdo'	sec.	7,70							
	Tα	sec.	0,0202							
Short Circuit Current Capacity		%	>300				>350			
Excitation at no load	Amp.		1,7	2	2,3	2,8	1,1	1,4	1,6	1,8
Excitation at full load	Amp.		4,3	4,8	5	4,8	3,8	4	4,3	4,5
Overload (long-term)		%	1 hour in a 6 hours period 110% rated load							
Overload per 20 sec.		%	300							
Stator Winding Resistance (20°C)	Ω		0,0109							
Rotor Winding Resistance (20°C)	Ω		1,917							
Exciter Resistance (20 °C)	Ω		Rotor : 0,135				Stator : 10,52			
Heat dissipation at f.l.cl.H	W		32269	32976	34394	30893	39400	38723	37031	37876
Telephone Interference			FHT < 2%				TIF < 40			
Radio interference			EN50081-1, EN50082-1, VDE0875K. For others standards apply to factory							
Waveform Distors.(THD) at f. load	LL/LN %		2,8 / 2,6							
Waveform Distors.(THD) at no load	LL/LN %		3,1 / 3,0							
Mechanical characteristics										
Protection			IP 21 (other protection on request)							
DE bearing			NU2224							
NDE bearing			6322							
Weight of wound stator assembly	kg		624							
Weight of wound rotor assembly	kg		478							
Weight of complete generator	kg		1870							
Maximun overspeed	rpm		2250							
Unbalanced magnetic pull at f.l.cl.F	kN/mm		5							
Cooling air requirement	m ³ /min		90				108			
Inertia Constant (H)	sec.		0,261				0,314			
Noise level at 1m/7m	dB(A)		95 / 84				99 / 89			

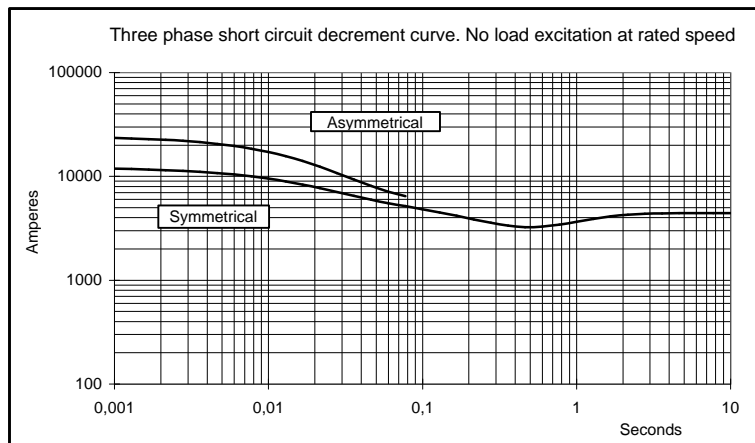
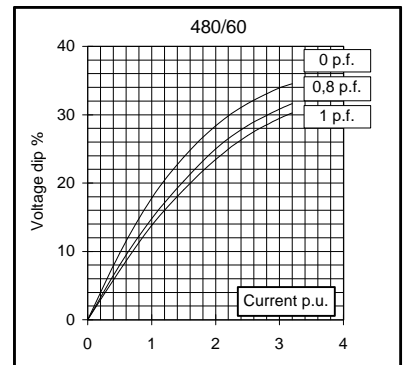
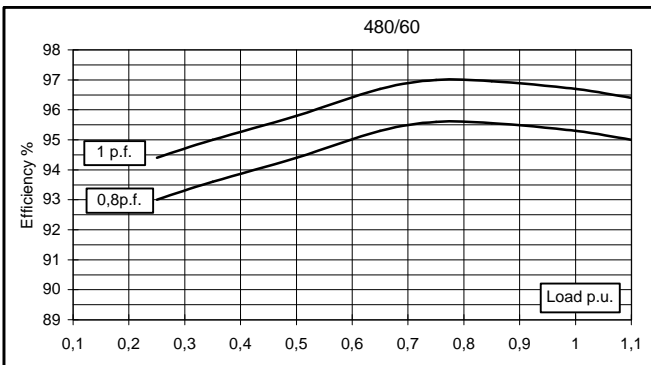
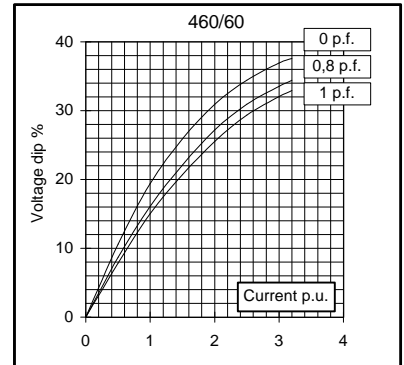
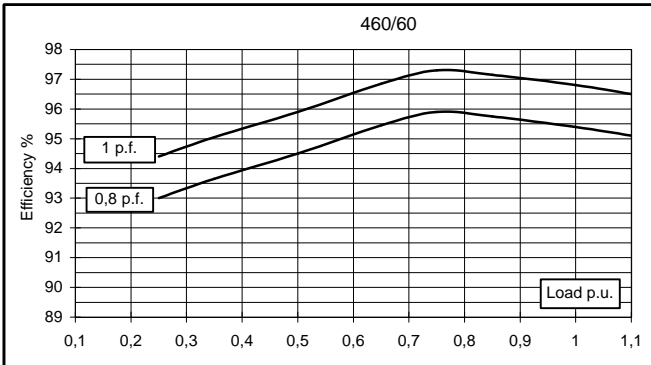
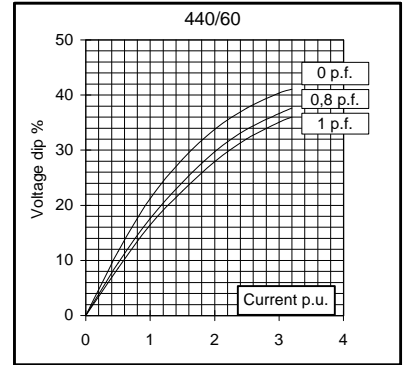
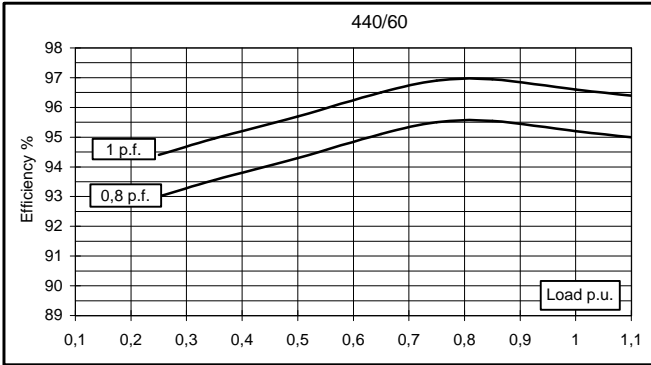
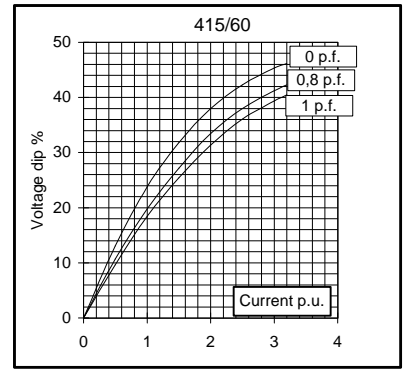
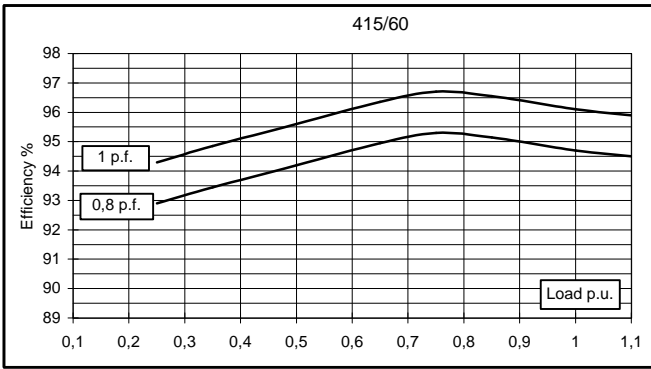
All technical data are to be considered as a reference and they can be modified without any notice.

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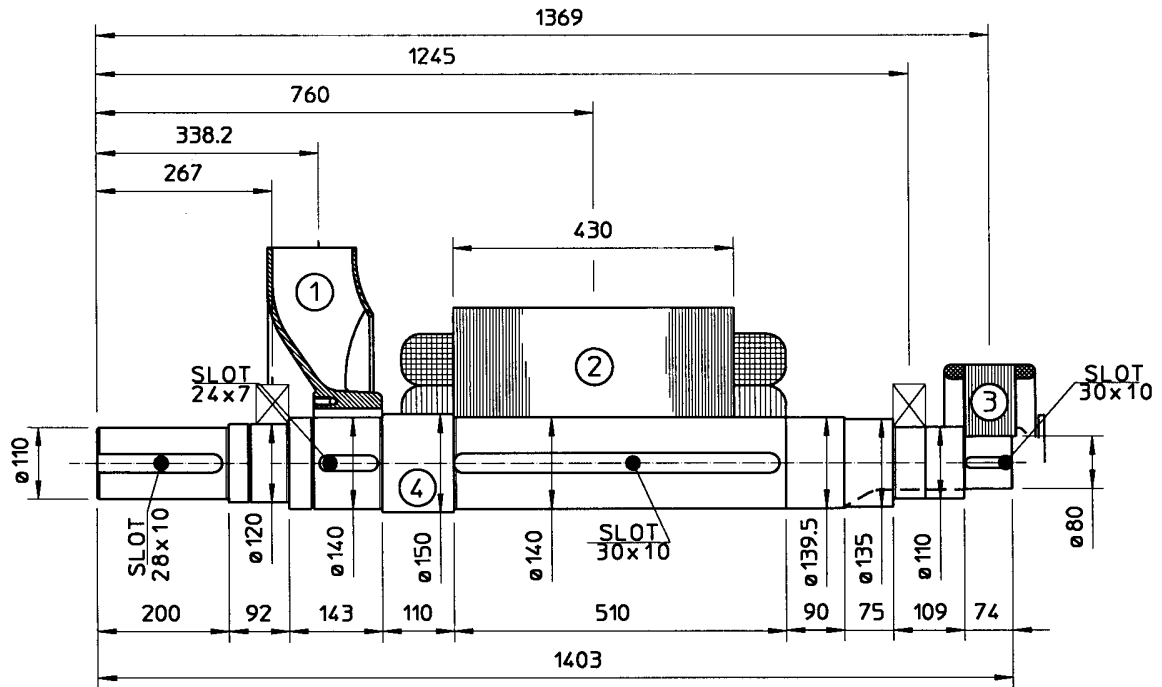
50 Hz



60 Hz

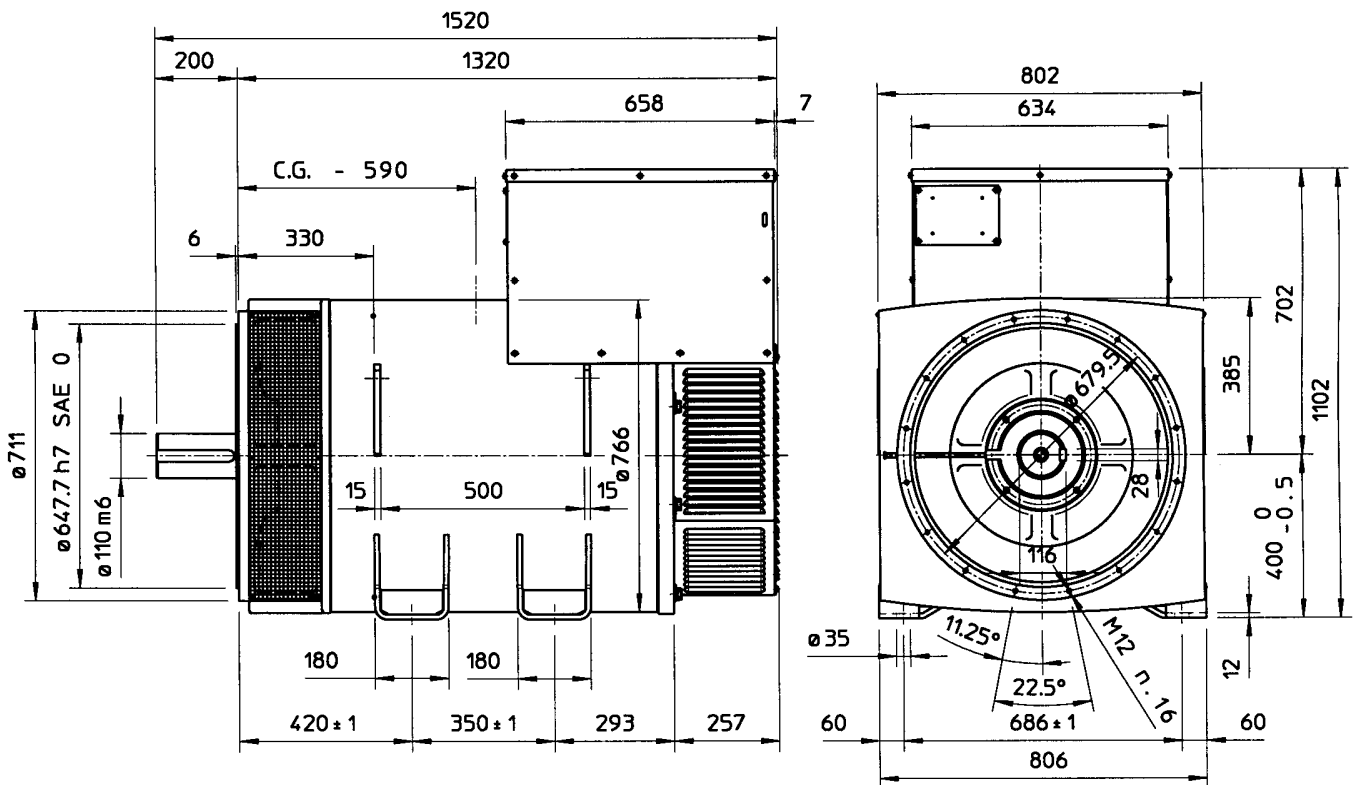


TWO BEARING MOMENTS OF INERTIA



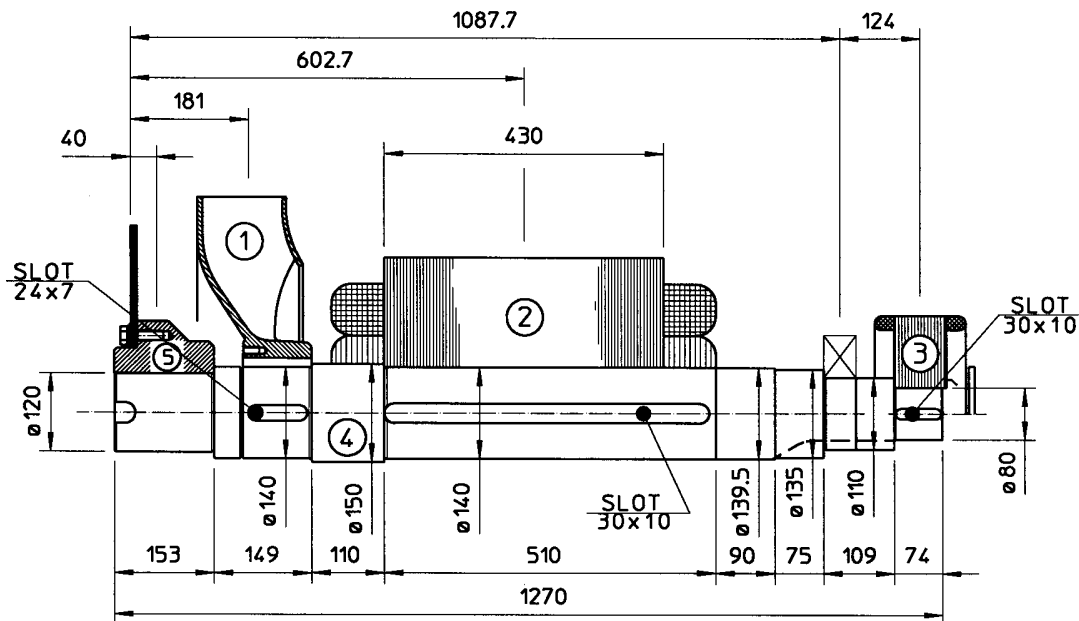
COMPONENT	WEIGHT kg	J kgm ²
1 FAN	27	1.12
2 MAIN ROTOR	478	15.318
3 EX. ROTOR	40	0.629
4 SHAFT	147.1	0.426
TOTAL	692.1	17.493

TWO BEARING DIMENSIONS



C.G.= GRAVITY CENTER

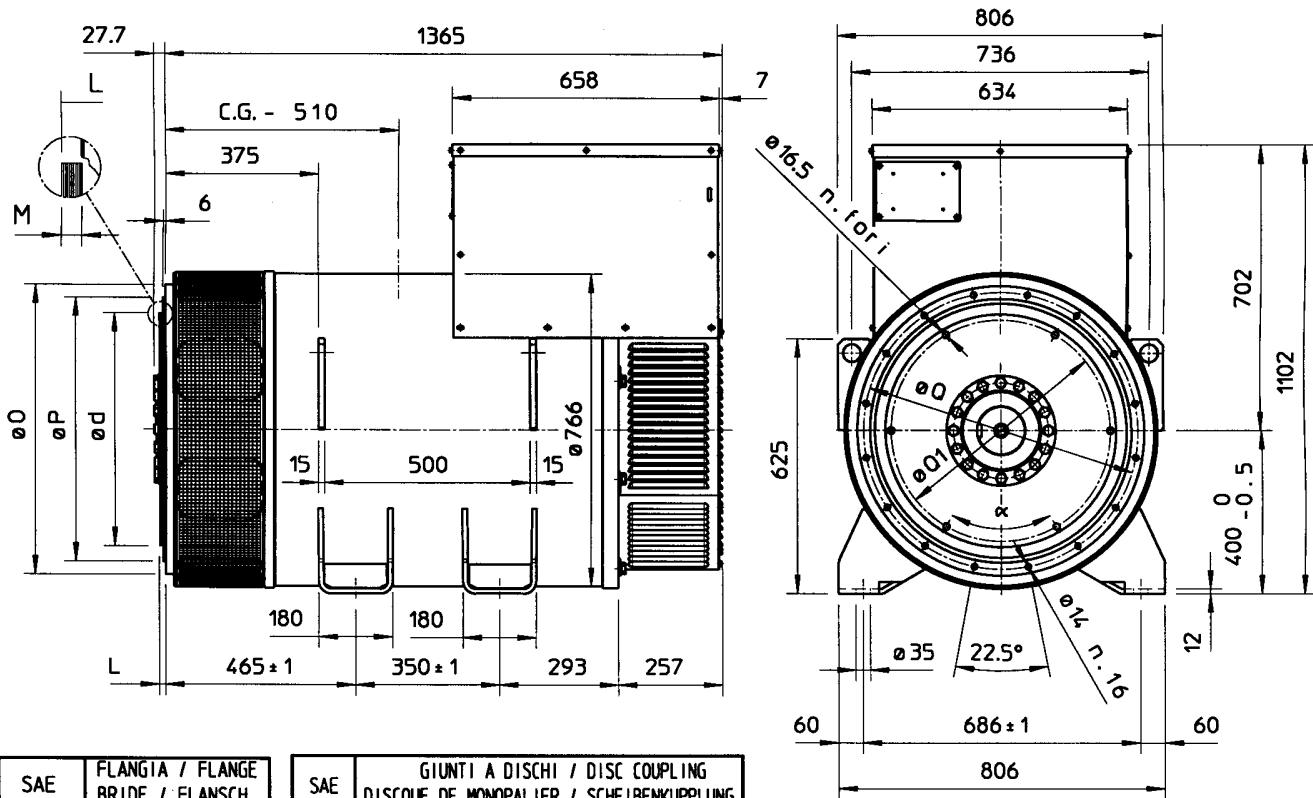
SINGLE BEARING MOMENTS OF INERTIA



COMPONENT	WEIGHT kg	J kgm ²
1 FAN	27	1.12
2 MAIN ROTOR	478	15.318
3 EX. ROTOR	40	0.629
4 SHAFT	138.6	0.402
TOTAL	683.6	17.469

SAE N.	5	SHAFTS COUPLING FLEX PLATE	
		WEIGHT kg	J kgm ²
18		69.9	1.065

SINGLE BEARING DIMENSIONS



SAE N.	FLANGIA / FLANGE BRIDE / FLANSCH		
	O	P	Q
0	711	647.7	679.5
00	883	787.4	850.9

SAE N.	GIUNTI A DISCHI / DISC COUPLING DISQUE DE MONOPALIER / SCHEIBENKUPPLUNG						
	d	L	M	Q1	N.FORI	α	
18	571.5	15.7	10	542.92	6	60°	
21	673.1	0	12	641.35	12	30°	

C.G.= GRAVITY CENTER