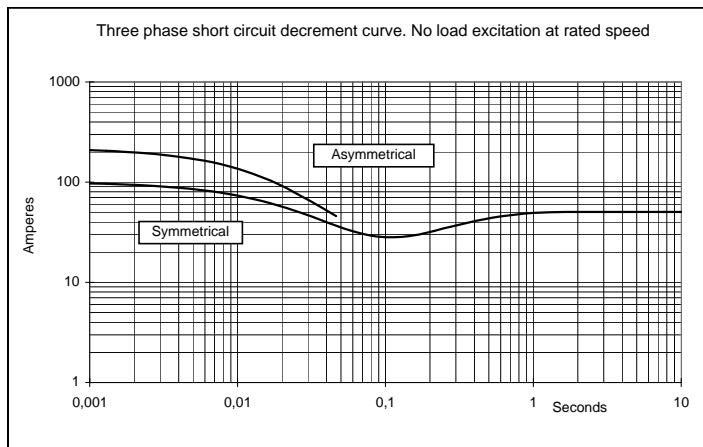
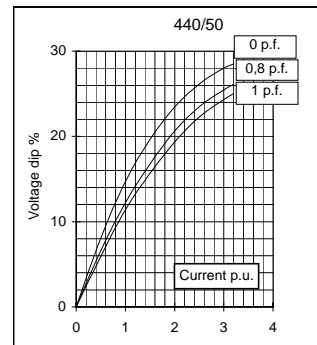
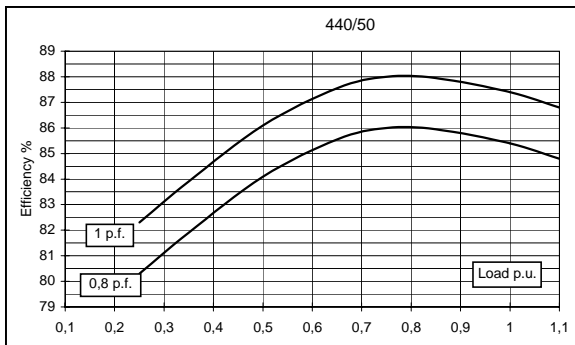
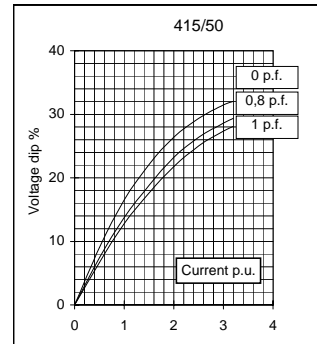
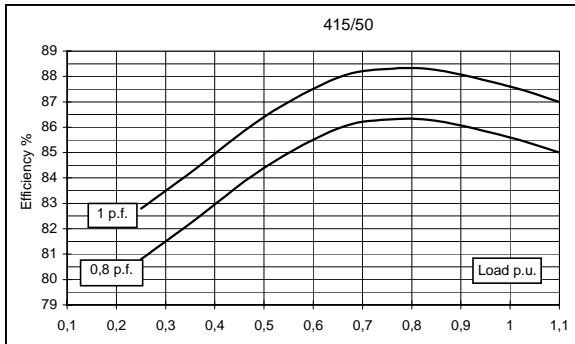
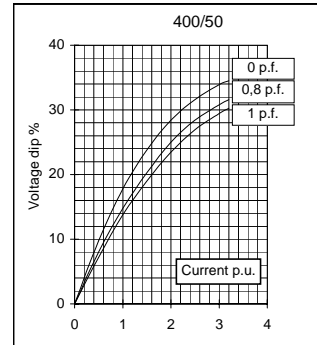
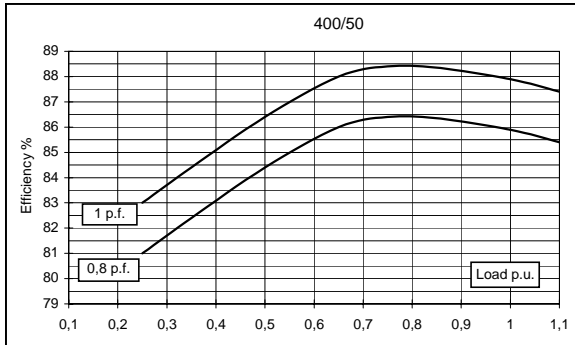
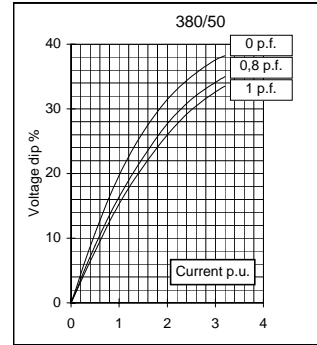
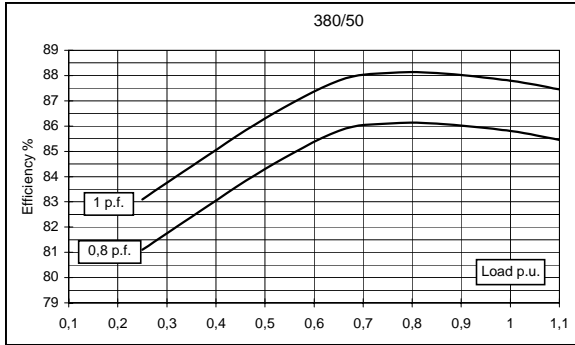


Electrical Characteristics											
Frequency	Hz	50				60					
Voltage (star)	V	380	400	415	440	415	440	460	480		
Rated power class H	kVA	11	11	11	9	12	13,2	13,2	13,2		
	kW	8,8	8,8	8,8	7,2	9,6	10,6	10,6	10,6		
Rated power class F	kVA	10	10	10	8	10	11	12	12		
	kW	8	8	8	6,4	8	8,8	9,6	9,6		
Regulation with	SR7/2	±1,5 % with any power factor and speed variations between -5% +30%									
Insulation class		H									
Execution		Brushless									
Stator winding		6 ends									
Rotor		without damping cage									
Efficiencies class H	4/4	%	85,8	85,9	85,6	85,4	87	87,5	87,6	87,7	
	(see graph. for details)	3/4	%	86,1	86,4	86,3	86	87,2	87,4	87,6	87,8
		2/4	%	84,3	84,4	84,4	84,1	85,1	85,2	85,3	85,4
		1/4	%	81,1	81	80,8	80,3	81,8	81,6	81,7	82
Reactances (f. l.cl. F)	Xd	%	238,2	215	199,7	145,4	261,5	255,9	234,1	215	
	Xd'	%	23,82	21,5	19,97	14,54	26,15	25,59	23,41	21,5	
	Xd''	%	16,84	15,2	14,12	10,28	18,49	18,09	16,55	15,2	
	Xq	%	76,2	68,8	63,9	46,5	83,7	81,9	74,9	68,8	
	Xq'	%	76,2	68,8	63,9	46,5	83,7	81,9	74,9	68,8	
	Xq''	%	88,5	79,9	74,2	54,0	97,2	95,1	87,0	79,9	
	X ₂	%	20,28	18,3	17,00	12,37	22,26	21,78	19,93	18,3	
	X ₀	%	6,65	6	5,57	4,06	7,30	7,14	6,53	6	
	Short Circuit Ratio	Kcc		0,73	0,90	1,06	1,50	0,60	0,68	0,73	0,90
Time Constants	Td'	sec.	0,036								
	Td''	sec.	0,013								
	Tdo'	sec.	0,79								
	Tα	sec.	0,046								
Short Circuit Current Capacity	%	>300				>320					
Excitation at no load	Amp.	0,32	0,34	0,38	0,45	0,2	0,22	0,25	0,3		
Excitation at full load	Amp.	1,4	1,46	1,55	1,6	1,1	1,28	1,32	1,4		
Overload (long-term)	%	1 hour in a 6 hours period 110% rated load									
Overload per 20 sec.	%	300									
Stator Winding Resistance (20°C)	Ω	0,914									
Rotor Winding Resistance (20°C)	Ω	8,539									
Exciter Resistance (20 °C)	Ω	Rotor : 1,453				Stator : 15,71					
Heat dissipation at f.l.cl.H	W	1456	1444	1480	1231	1434	1509	1495	1481		
Telephone Interference		THF < 2%				TIF < 45					
Radio interference		EN60034-1, VDE 0875K. For others standards apply to factory									
Waveform Distors.(THD) at f. load	LL/LN %	2,3 / 2									
Waveform Distors.(THD) at no load	LL/LN %	2,6 / 2,6									
Mechanical characteristics											
Protection		IP 23 (other protection on request)									
DE bearing		6308-2RS									
NDE bearing		6305-2RS									
Weight of wound stator assembly	kg	23,7									
Weight of wound rotor assembly	kg	12,8									
Weight of complete generator	kg	82									
Maximun overspeed	rpm	2250									
Unbalanced magnetic pull at f.l.cl.F	kN/mm	2,9									
Cooling air requirement	m³/min	3,3				4					
Inertia Constant (H)	sec.	0,0863				0,103					
Noise level at 1m/7m	dB(A)	72 / 58				78 / 60					

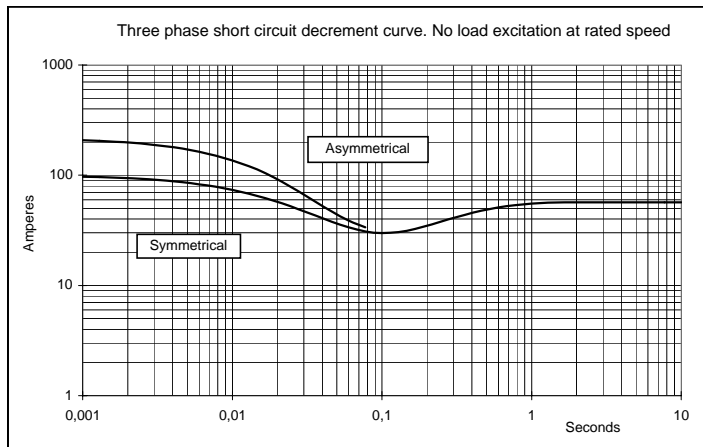
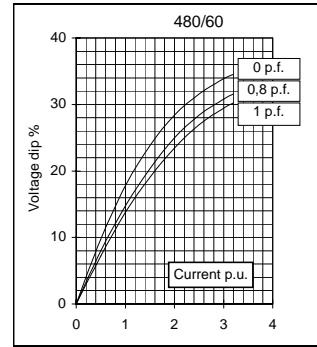
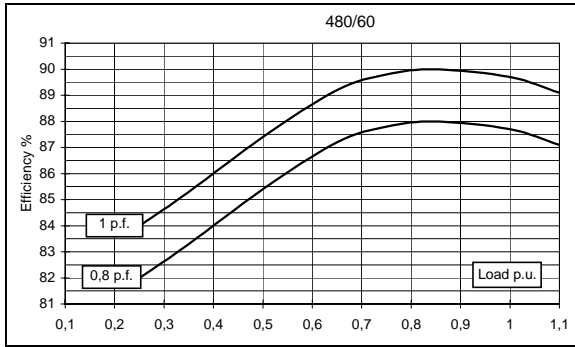
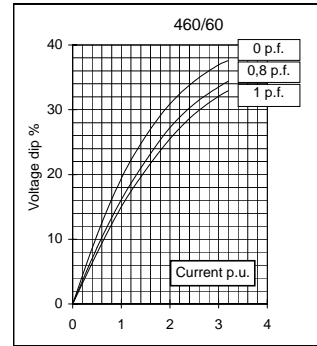
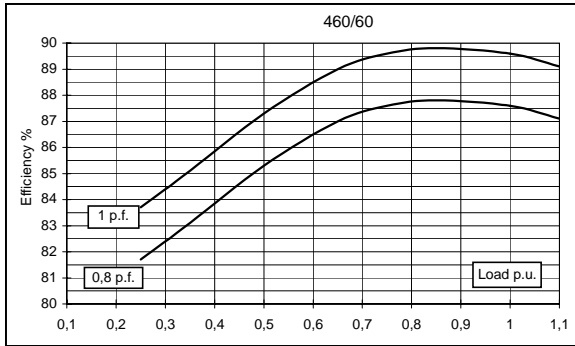
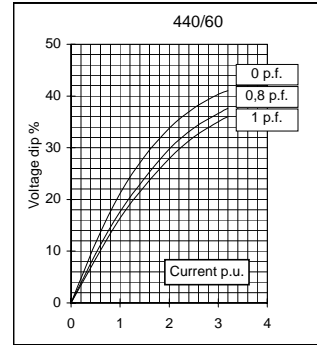
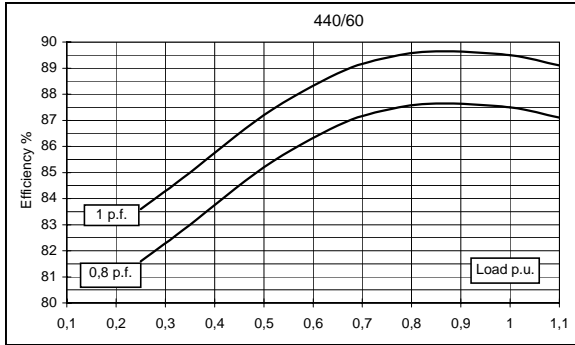
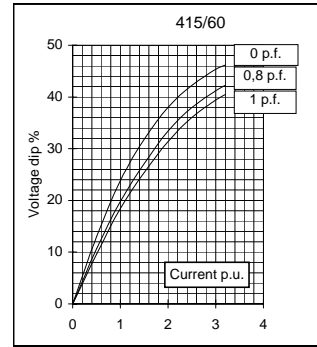
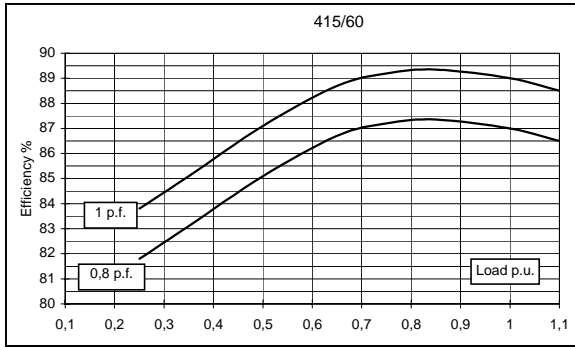
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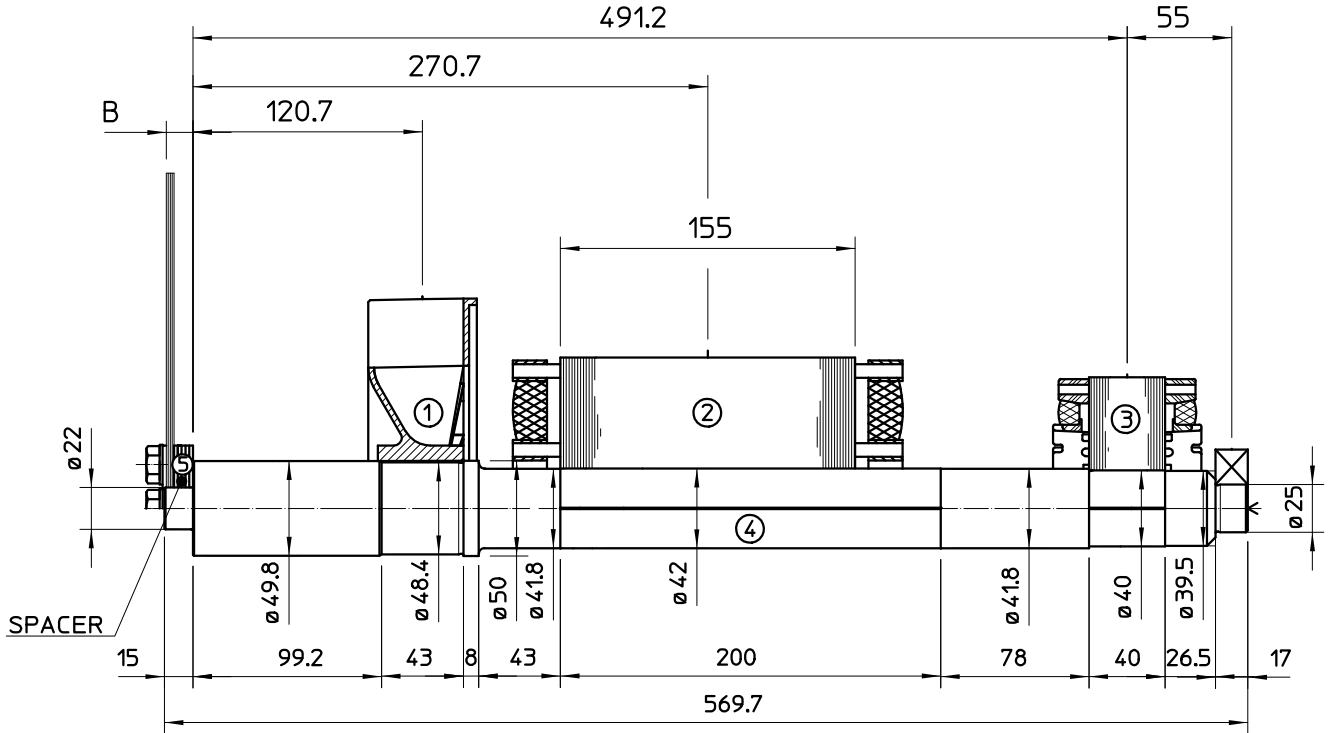
50 Hz



60 Hz



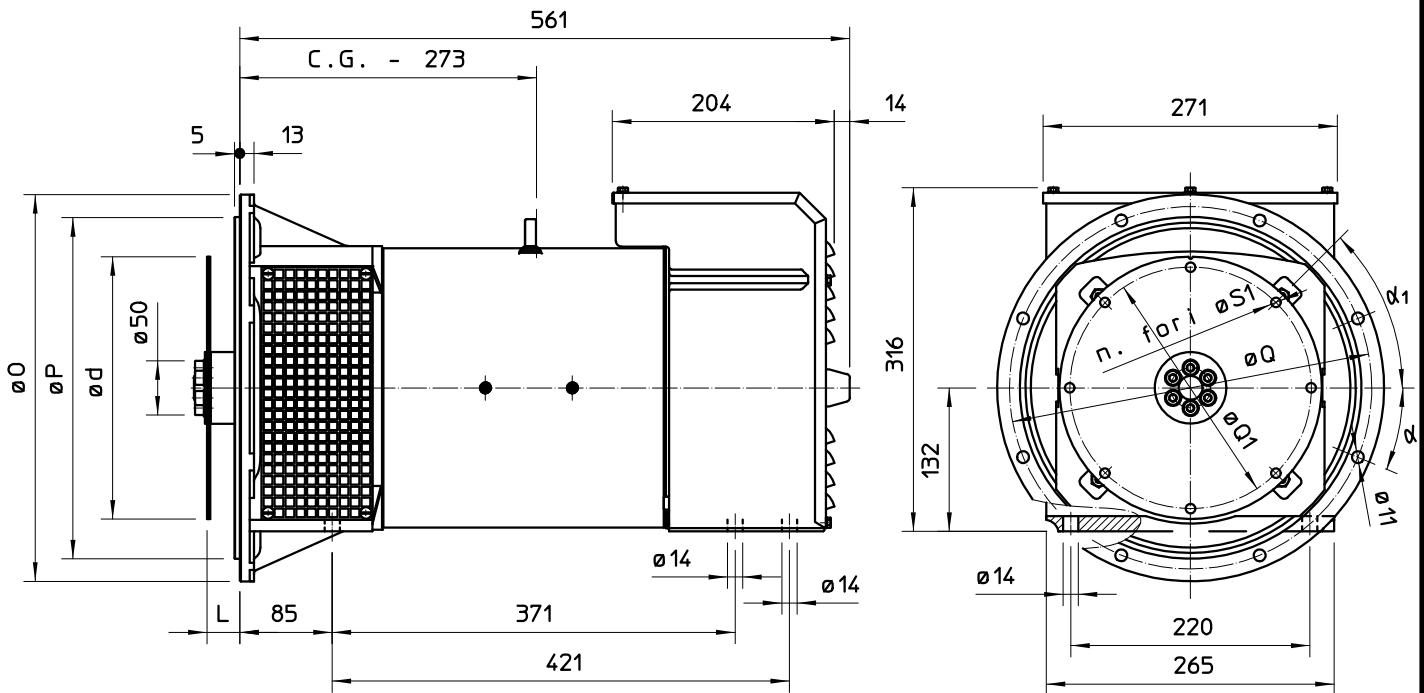
SINGLE BEARING MOMENTS OF INERTIA



COMPONENT	WEIGHT Kg	J Kgm ²
1 FAN	0.82	0.0032
2 MAIN ROTOR	17.23	0.060
3 EX ROTOR	4.12	0.011
4 SHAFT	6.3	0.0013
TOTAL	28.47	0.0755

SAE N.	SHAFT COUPLING FLEX PLATE		
	B (mm)	WEIGHT kg	J kgm ²
5	4	1.14	0.0067
6 1/2	4	1.42	0.0103
7 1/2	4	1.97	0.0171
8	27.6	2.59	0.0319
10	14	3.1	0.0481
11 1/2	14	3.1	0.0481

SINGLE BEARING DIMENSIONS



GIUNTI A DISCO COUPLING DISC PLATEX
DISQUE DE MONOPALIER SCHEIBENKUPPLUNG
JUNTAS A DISCOS

FLANGIA FLANGE BRIDE FLANSCH BRIDAS	SAE N.	O	P	Q	n. fori	α
	6	308	266.7	285.75	8	22°30'
	5	356	314.3	333.4	8	22°30'
	4	403	362	381	12	15°
	3	451	409.6	428.6	12	15°

SAE N.	L	d	Q1	n. fori	S1	α1
6 1/2	30.2	215.9	200	6	9	60°
7 1/2	30.2	241.3	222.25	8	9	45°
8	62	263.52	244.47	6	11	60°
10	53.8	314.32	295.27	8	11	45°
11 1/2	39.6	352.42	333.37	8	11	45°

C.G. = GRAVITY CENTER