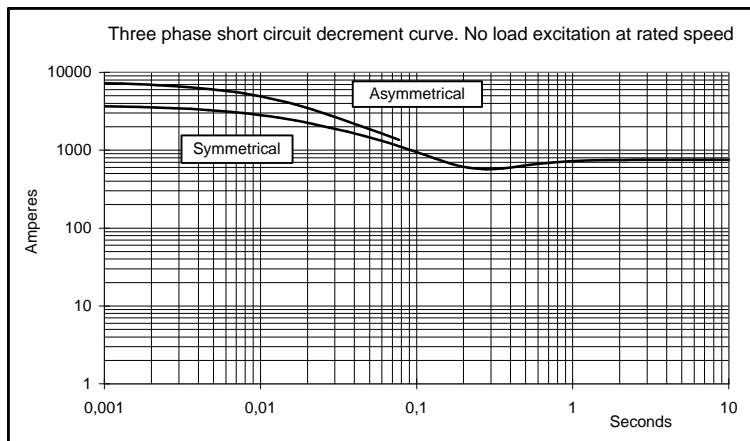
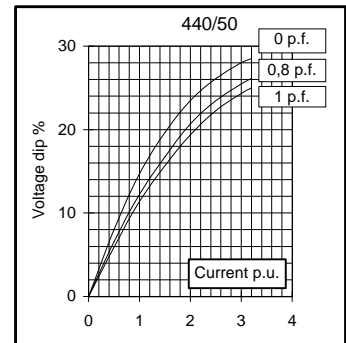
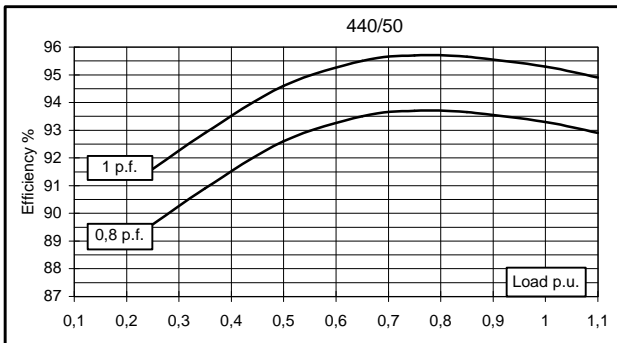
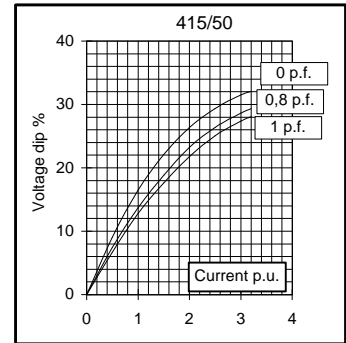
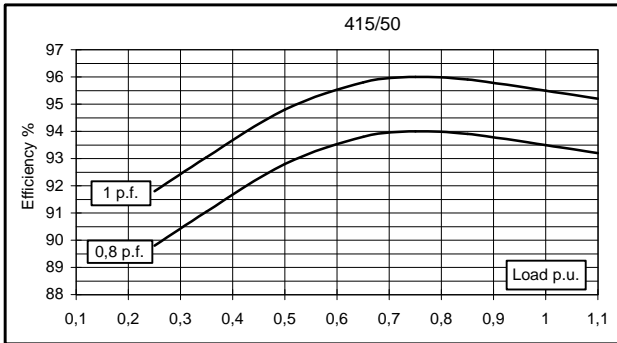
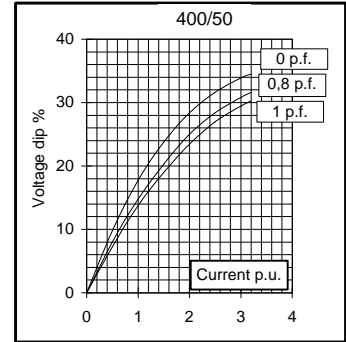
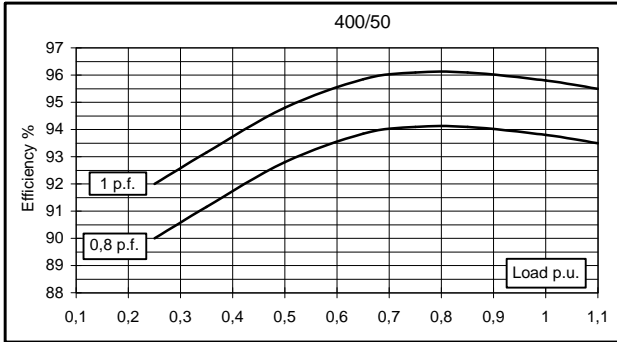
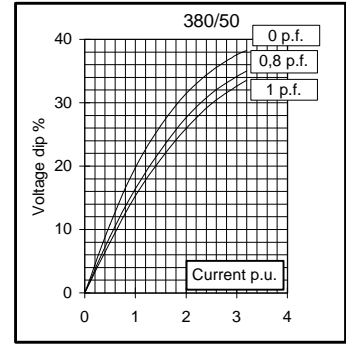
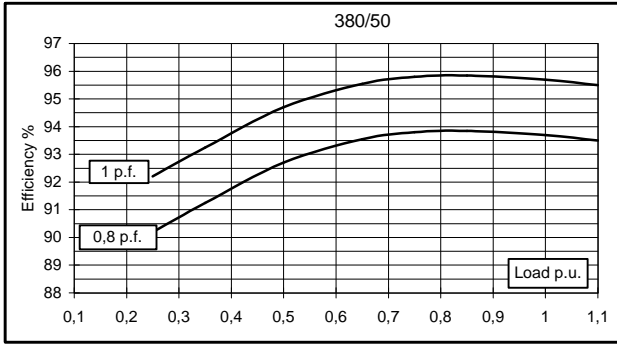
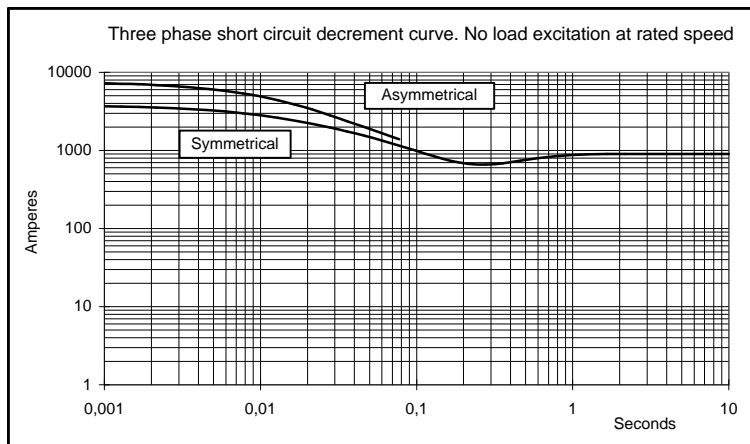
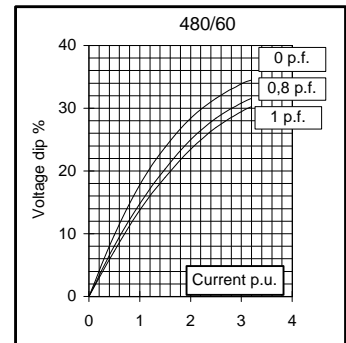
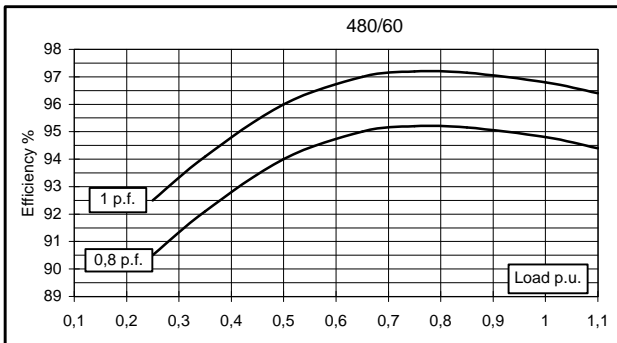
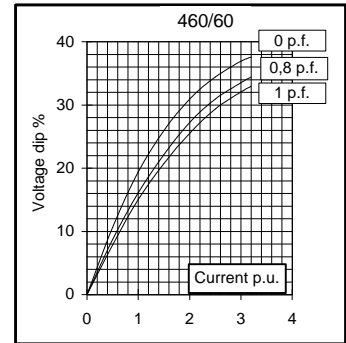
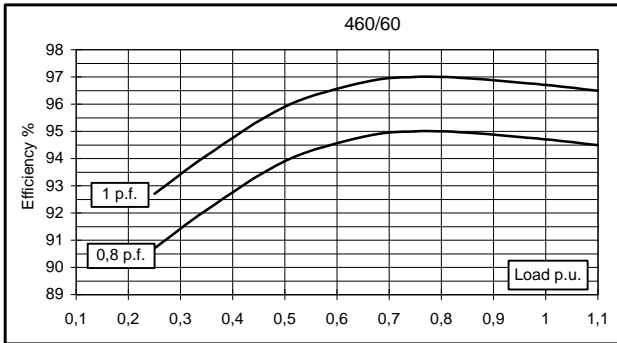
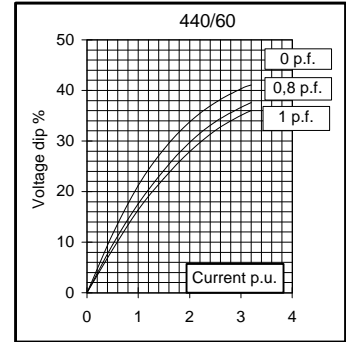
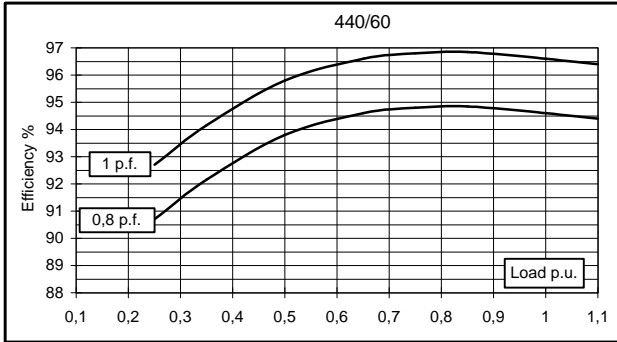
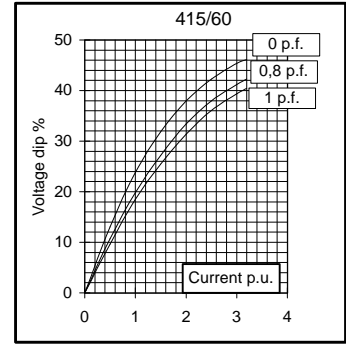
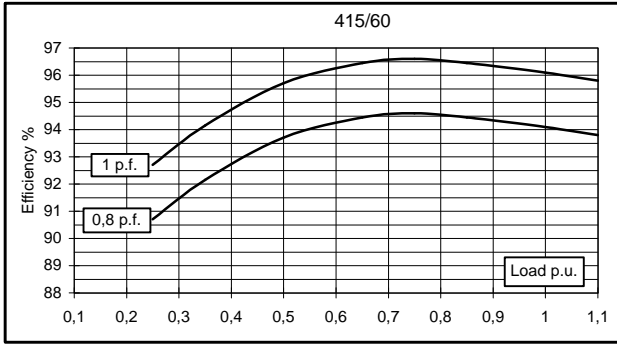


Electrical Characteristics										
Frequency	Hz	50				60				
Voltage (series star)	V	380	400	415	440	415	440	460	480	
Rated power class H	kVA	290	300	300	290	325	340	360	360	
	kW	232	240	240	232	260	272	288	288	
Rated power class F	kVA	265	275	275	265	300	310	330	330	
	kW	212	220	220	212	240	248	264	264	
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	%	93,7	93,8	93,5	93,3	94,1	94,6	94,7	94,8
(see graph. for details)	3/4	%	93,8	94,1	94	93,7	94,6	94,8	95	95,2
	2/4	%	92,7	92,8	92,8	92,6	93,7	93,8	93,9	94
	1/4	%	90,2	90	89,8	89,6	90,7	90,7	90,7	90,5
Reactances (f. l.cl. F)	Xd	%	235,6	220	204,4	175,8	265,7	247,3	239,5	220
	Xd'	%	17,4	16,2	15,1	12,9	19,6	18,2	17,6	16,2
	Xd''	%	9,2	8,6	8,0	6,9	10,4	9,7	9,4	8,6
	Xq	%	136,0	127	118,0	101,5	153,4	142,7	138,3	127
	Xq'	%	136,0	127	118,0	101,5	153,4	142,7	138,3	127
	Xq''	%	23,6	22	20,4	17,6	26,6	24,7	24,0	22
	X ₂	%	18,2	17,0	15,8	13,6	20,5	19,1	18,5	17,0
	X ₀	%	2,6	2,4	2,2	1,9	2,9	2,7	2,6	2,4
Short Circuit Ratio	Kcc		0,38	0,41	0,60	0,95	0,30	0,36	0,38	0,41
Time Constants	Td'	sec.	0,093							
	Td''	sec.	0,0136							
	Tdo'	sec.	1,50							
	Tα	sec.	0,0165							
Short Circuit Current Capacity		%	>300				>350			
Excitation at no load	Amp.		0,6	0,7	0,9	1,2	0,35	0,43	0,55	0,65
Excitation at full load	Amp.		3,6	3,8	3,9	4,1	3,1	3,5	3,5	3,7
Overload (long-term)		%	1 hour in a 6 hours period 110% rated load							
Overload per 20 sec.		%	300							
Stator Winding Resistance (20°C)	Ω		0,0059							
Rotor Winding Resistance (20°C)	Ω		3,960							
Exciter Resistance (20 °C)	Ω		Rotor : 0,410				Stator : 15,28			
Heat dissipation at f.l.cl.H	W		15599	15864	16684	16660	16302	15526	16118	15797
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 %		3 / 2,9							
Waveform Distors.(THD) at no load	LL/LN %		2,6 / 2,8							
Mechanical characteristics										
Protection			IP 21 (other protection on request)							
DE bearing			6318.2RS							
NDE bearing			6314.2RS							
Weight of wound stator assembly	kg		273							
Weight of wound rotor assembly	kg		190							
Weight of complete generator	kg		790							
Maximun overspeed	rpm		2250							
Unbalanced magnetic pull at f.l.cl.F	kN/mm		5,9							
Cooling air requirement	m ³ /min		32				39			
Inertia Constant (H)	sec.		0,119				0,143			
Noise level at 1m/7m	dB(A)		82 / 69				86 / 73			

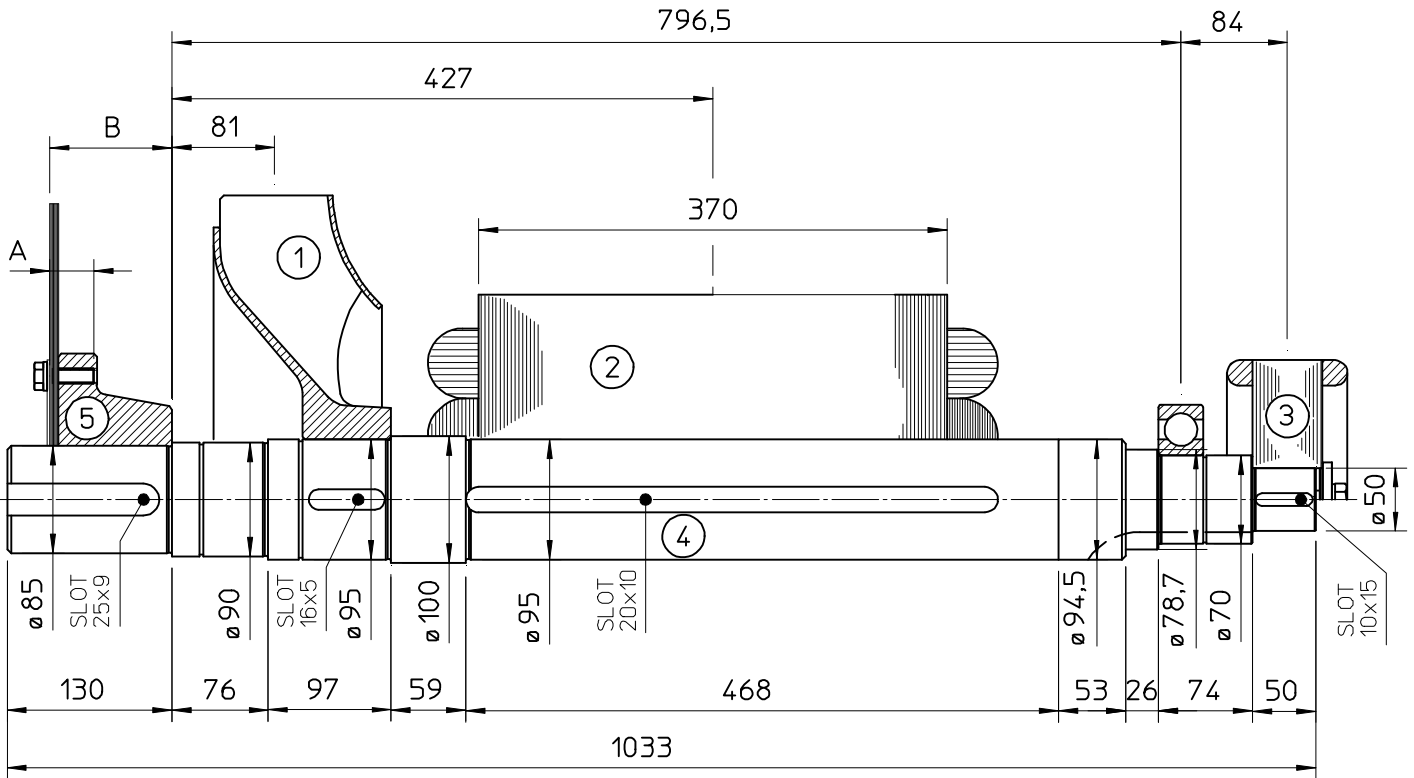
50 Hz



60 Hz



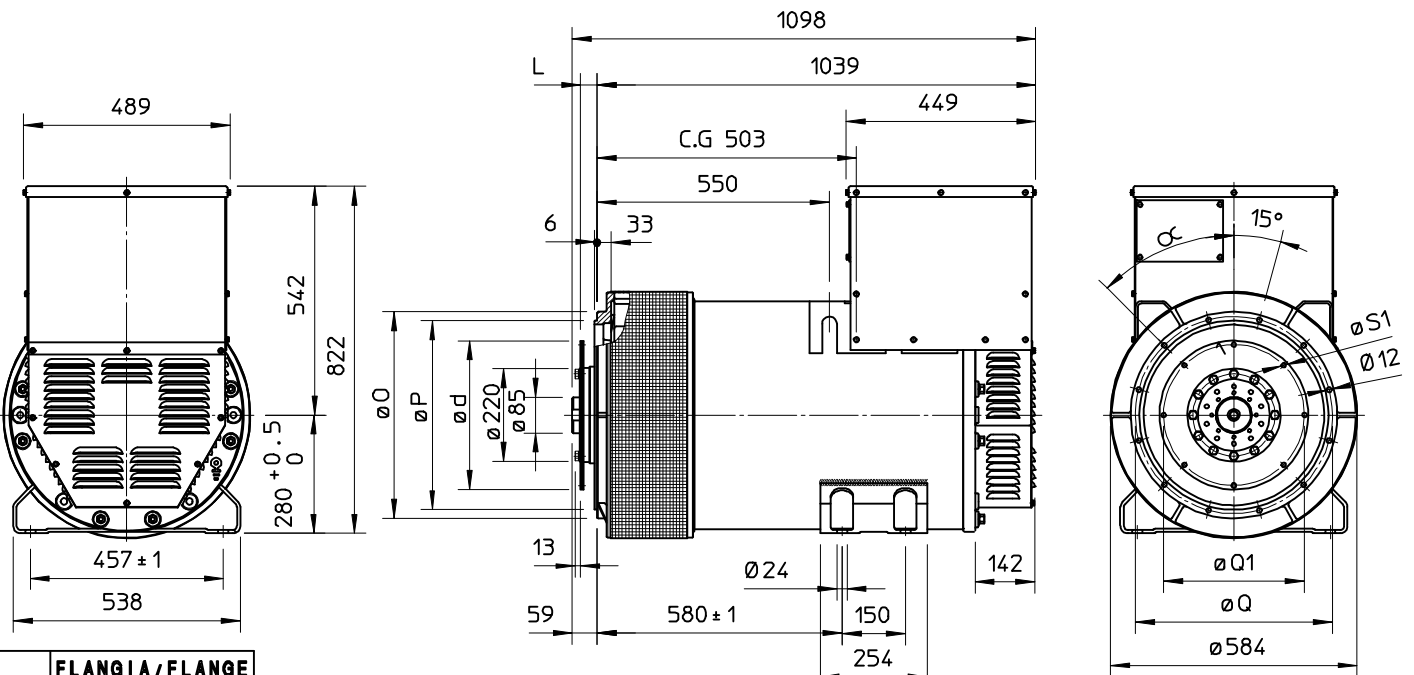
SINGLE BEARING MOMENTS OF INERTIA



COMPONENT	WEIGHT kg	J kgm ²
1 FAN	6,1	0,1887
2 MAIN ROTOR	190	2,5561
3 EX. ROTOR	14,5	0,0874
4 SHAFT	49,9	0,0525
TOTAL	260,5	2,8847

SAE No	SHAFTS COUPLING FLEX PLATE			
	A	B	WEIGHT kg	J kgm ²
11.5	41.1	110.4	22,7	0,306
14	34.7	96.4	22,7	0,306

SINGLE BEARING DIMENSIONS



SAE N.	FLANGIA/FLANGE BRIDE/FLANSCH		
	O	P	Q
3	451	409,6	428,6
2	489	447,7	466,7
1	552	511,2	530,2
1/2	648	584,2	619,1

SAE N.	GIUNTI A DISCHI DISC COUPLING DISQUE DE MONOPALIER SCHEIBENKUPPLUNG					
	L	d	Q1	n. fori	S1	α1
11 1/2	39,6	352,42	333,37	8	11	45°
14	25,4	466,72	438,15	8	14	45°

C.G = GRAVITY CENTER