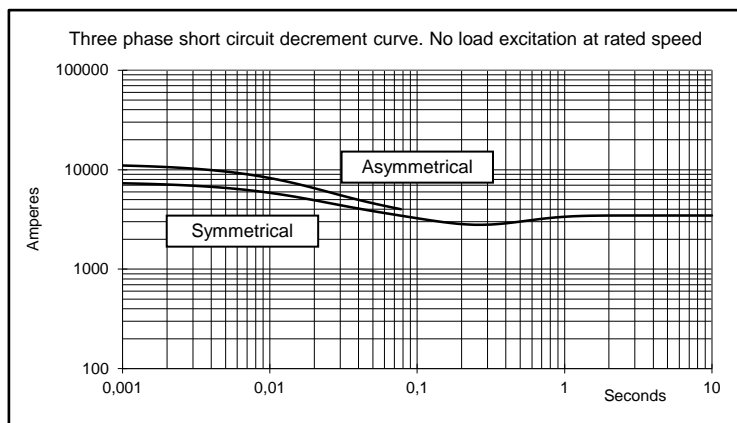
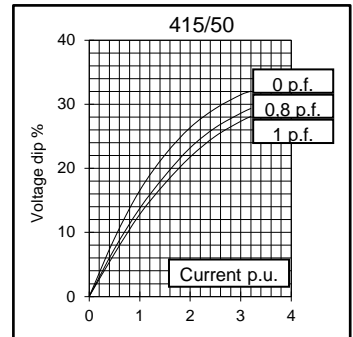
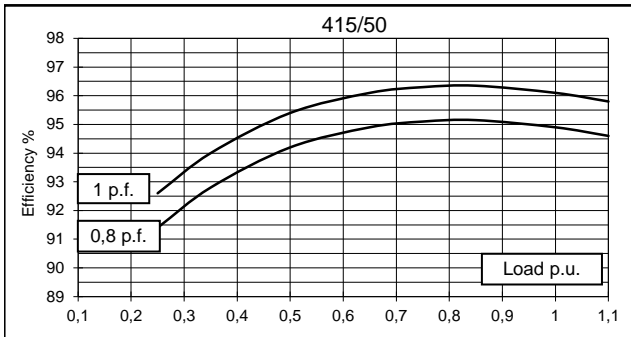
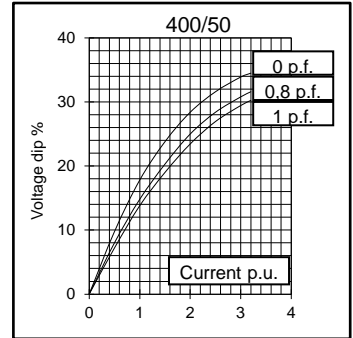
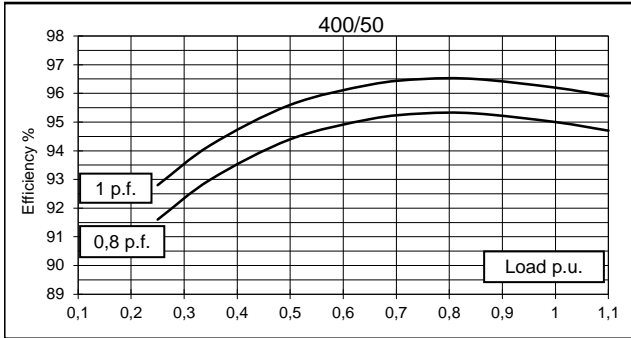
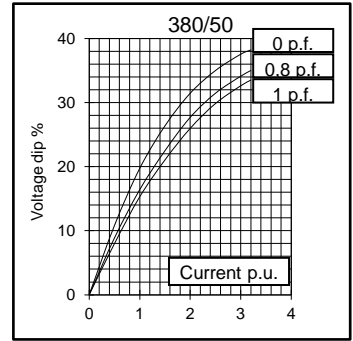
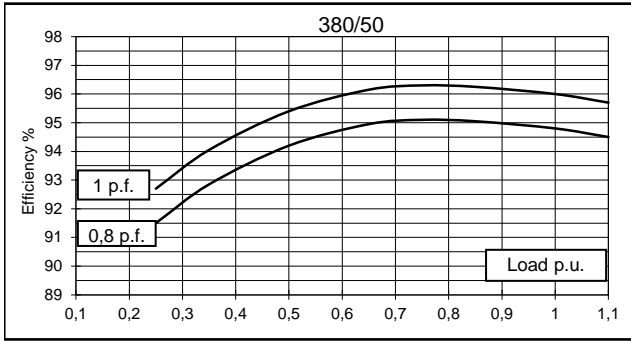


Electrical Characteristics										
Frequency	Hz	50				60				
Voltage (parallel star)	V	380	400	415	440	415	440	460	480	
Rated power class H	kVA	750	750	750	-	860	900	900	900	
	kW	600	600	600	-	688	720	720	720	
Rated power class F	kVA	690	690	690	-	790	830	830	830	
	kW	552	552	552	-	632	664	664	664	
Regulation with	DER1	±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	%	94,8	95,1	94,9	-	95,8	96,1	96,5	96,6
(see graph. for details)	3/4	%	95,1	95,3	95,1	-	95,9	96,3	96,7	96,8
	2/4	%	94,2	94,4	94,2	-	94,8	95,1	95,4	95,6
	1/4	%	91,5	91,6	91,4	-	91,4	91,7	92	92,2
Reactances (f. l.cl. F)										
	Xd	%	185	170	158	-	230	200	185	170
	Xd'	%	17,7	16,4	15,6	-	20,4	18,7	17,7	16,4
	Xd''	%	9,6	8,7	8,1	-	11,8	10,4	9,6	8,7
	Xq	%	128	118	107	-	159	139	128	118
	Xq'	%	128	118	107	-	159	139	128	118
	Xq''	%	15,1	14,3	12,6	-	17,3	16,2	15,1	14,3
	X ₂	%	13,3	12,1	11,1	-	15,4	14,1	13,3	12,1
	X ₀	%	2,7	2,2	2	-	3,4	3,1	2,7	2,2
Short Circuit Ratio	Kcc		0,54	0,59	0,63	-	0,42	0,50	0,54	0,59
Time Constants	Td'	sec.	0,18							
	Td''	sec.	0,015							
	Tdo'	sec.	3,70							
	Tα	sec.	0,071							
Short Circuit Current Capacity		%	>300				>350			
Excitation at no load	Amp.		0,4	0,6	0,8	-	0,4	0,5	0,55	0,6
Excitation at full load	Amp.		3,1	3,2	3,3	-	2,8	3	3,1	3,2
Overload (long-term)	%	1 hour in a 6 hours period 110% rated load								
Overload per 20 sec.	%	300								
Stator Winding Resistance (20°C)	Ω	0,0075								
Rotor Winding Resistance (20°C)	Ω	1,592								
Exciter Resistance (20 °C)	Ω	Rotor : 0,050				Stator : 8,85				
Heat dissipation at f.l.cl.H	W	32911	30915	32244	-	30163	29220	26114	25342	
Telephone Interference		THF < 2%				TIF < 40				
Radio interference		EN61000-6-3, EN61000-6-2. For others standards apply to factory								
Waveform Distors.(THD) at f. load	LL/LN %	2,2 / 2,2								
Waveform Distors.(THD) at no load	LL/LN %	2,5 / 2,5								
Mechanical characteristics										
Protection		IP 21 (other protection on request)								
DE bearing		6322								
NDE bearing		6318.2RS								
Weight of wound stator assembly	kg	685								
Weight of wound rotor assembly	kg	449								
Weight of complete generator	kg	1693								
Maximun overspeed	rpm	2250								
Unbalanced magnetic pull at f.l.cl.F	kN/mm	6,9								
Cooling air requirement	m ³ /min	54				64,8				
Inertia Constant (H)	sec.	0,163				0,195				
Noise level at 1m/7m	dB(A)	94 / 82				98 / 88				

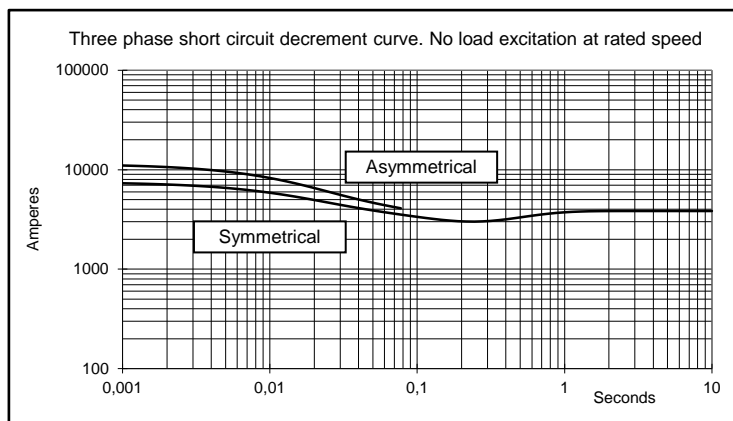
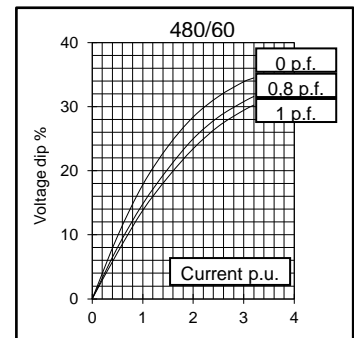
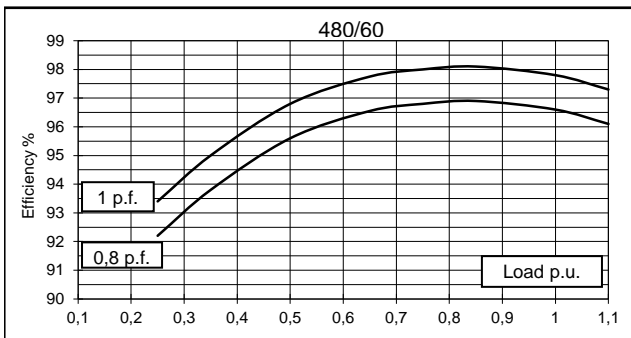
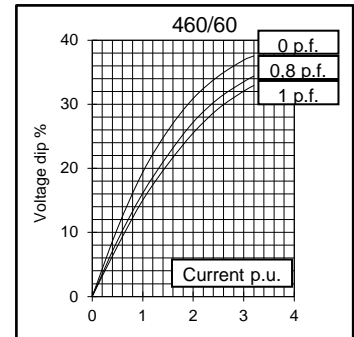
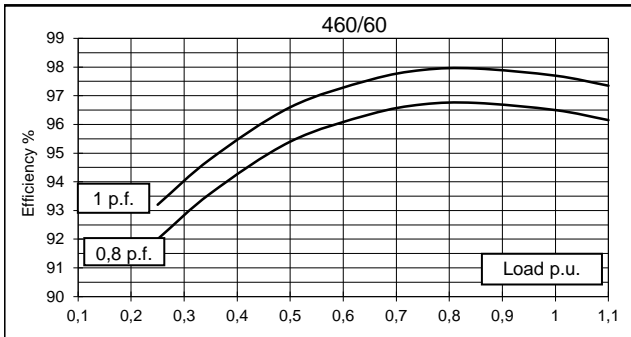
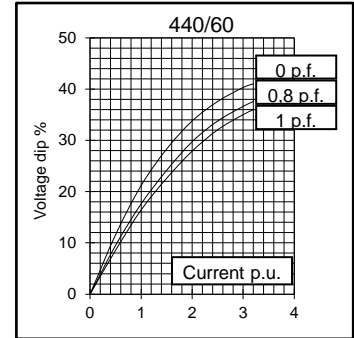
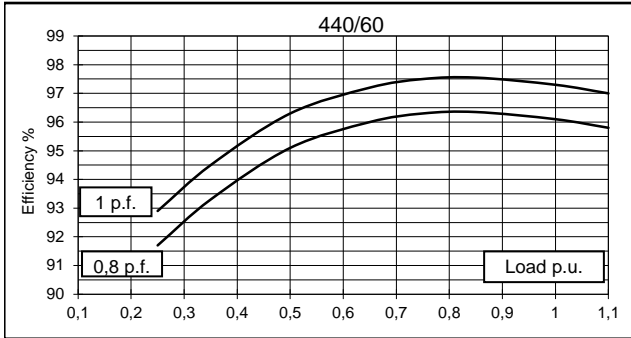
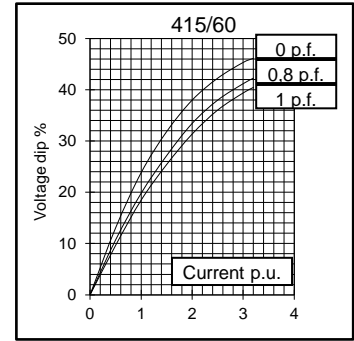
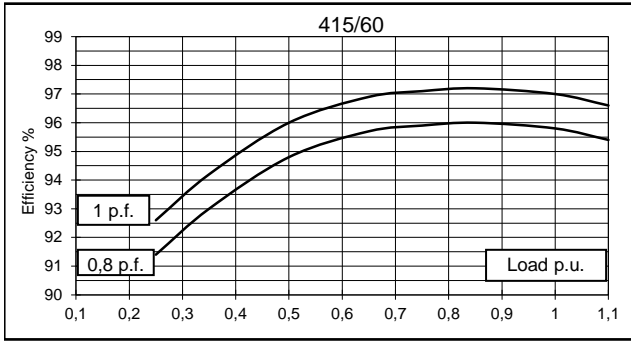
All technical data are to be considered as a reference and they can be modified without any notice.

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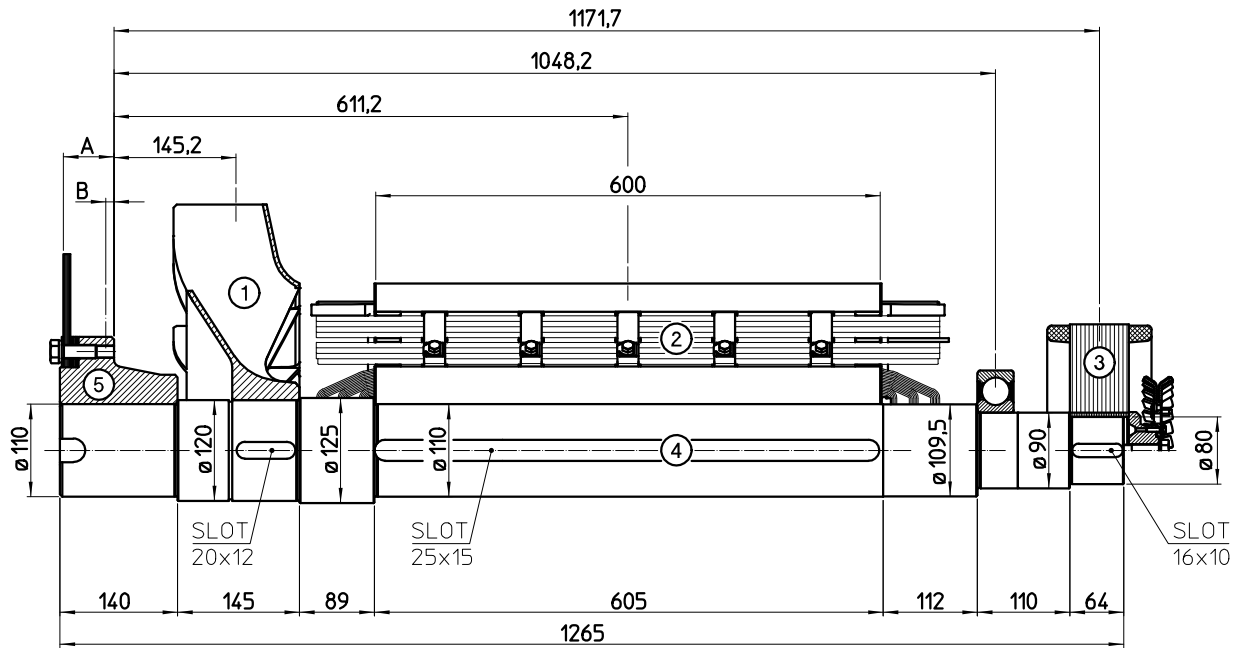
50 Hz



60 Hz



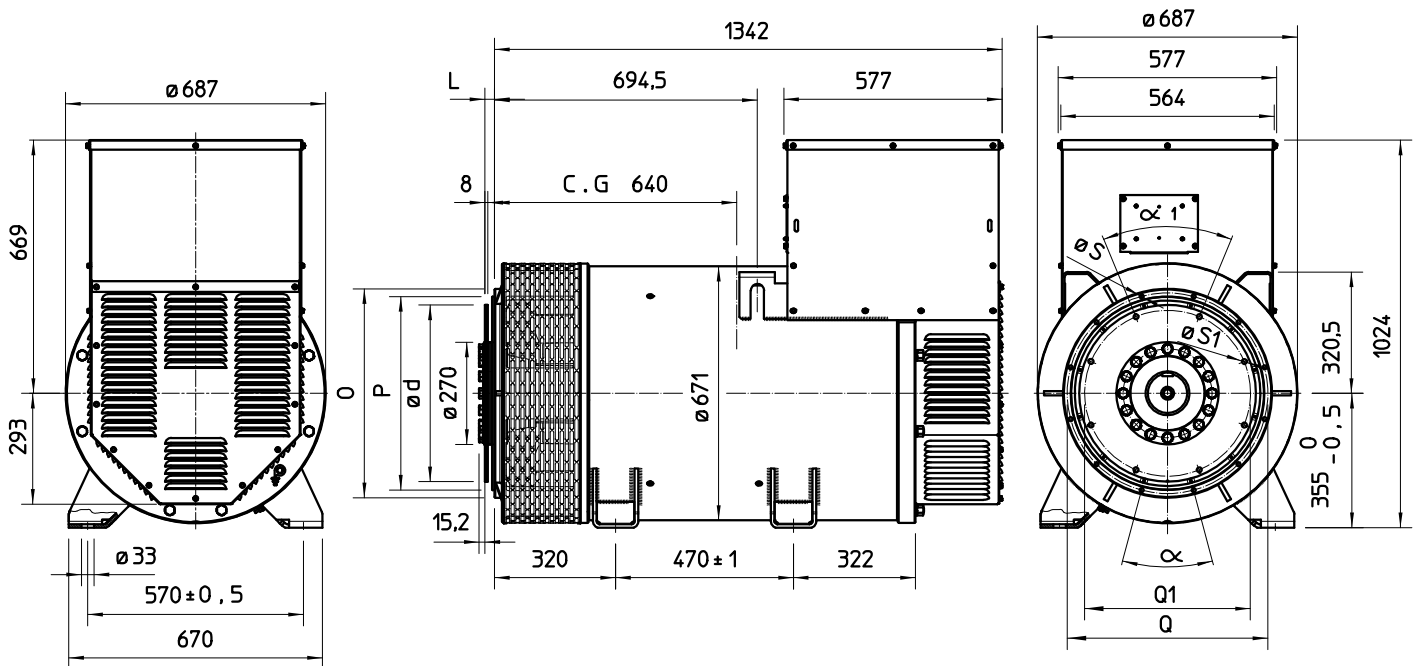
SINGLE BEARING MOMENTS OF INERTIA



COMPONENT	WEIGHT kg	J kgm ²
1 FAN	10,2	0,335
2 MAIN ROTOR	449	8,838
3 EX. ROTOR	35	0,562
4 SHAFT	91,6	0,140
TOTAL	585,8	9,875

Sae No	SHAFTS COUPLING FLEX PLATE		
	A	B	WEIGHT kg
14	60	9,6	41,4
18	50	6,6	45,1

SINGLE BEARING DIMENSIONS



SAE N.	FLANGIA / FLANGE BRIDE / FLANSCH					
	O	P	Q	N. FORI	S	α
1	552	511,2	530,2	12	11	30°
1/2	648	584,2	619,1	12	14	30°
0	711	647,7	679,5	16	14	22,5°
00	883	787,4	850,9	16	14	22,5°

VOL. N.	GIUNTI A DISCHI / DISC COUPLING DISQUE DE MONOPALIER / SCHEIBENKUPPLUNG					
	L	d	Q1	N. FORI	S1	α1
14	25,4	466,72	438,15	8	14	45°
18	15,7	571,5	542,92	6	17	60°

C.G.= GRAVITY CENTER