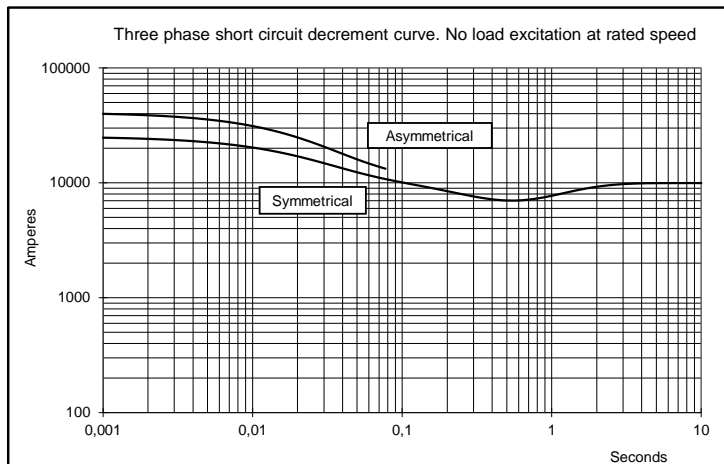
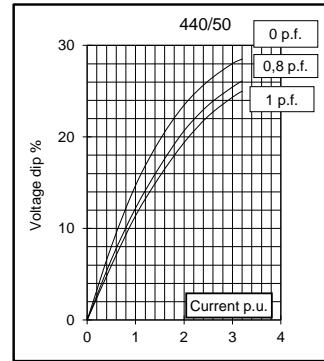
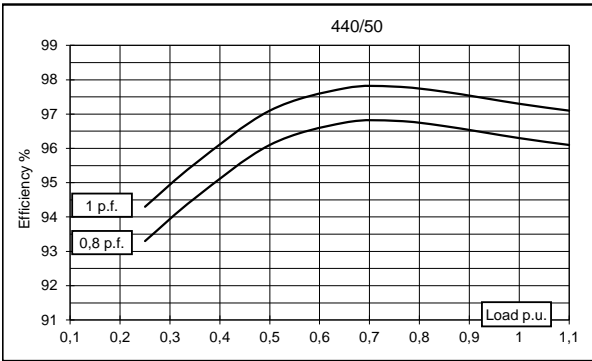
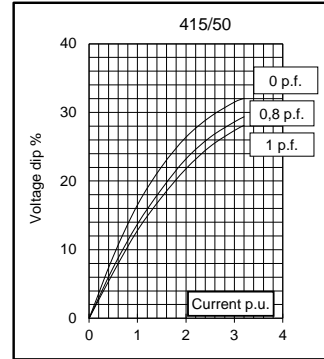
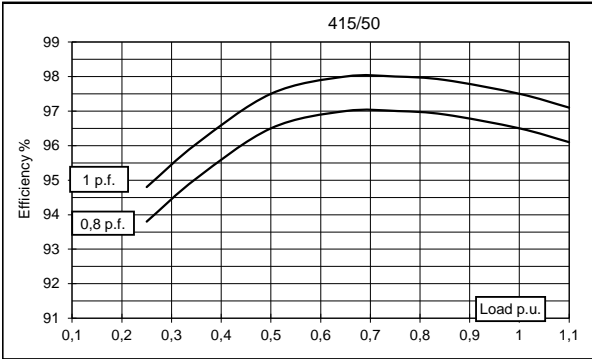
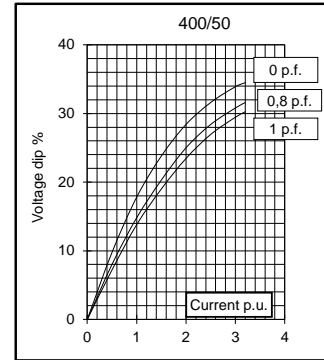
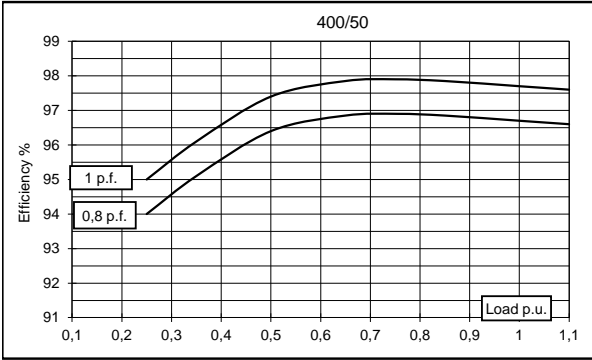
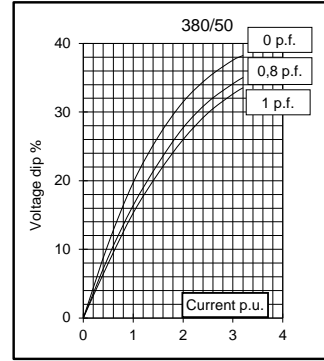
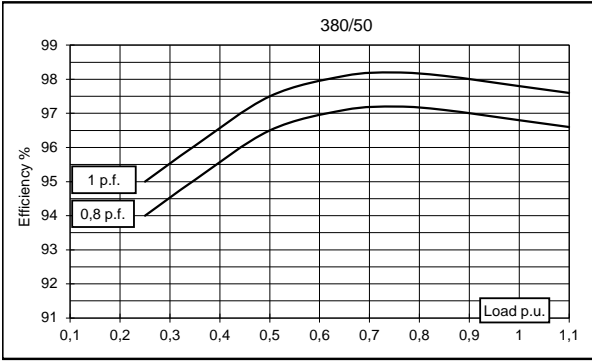


Electrical Characteristics										
Frequency	Hz	50				60				
Voltage (parallel star)	V	380	400	415	440	415	440	460	480	
Rated power class H	kVA	2300	2300	2300	2200	2420	2620	2760	2760	
	kW	1840	1840	1840	1760	910	2096	2208	2208	
Rated power class F	kVA	2050	2050	2050	1950	2150	2330	2460	2460	
	kW	1640	1640	1640	1560	1720	1864	1968	1968	
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	%	96,8	96,7	96,5	96,3	96,5	97	97,2	96,9
(see graph. for details)	3/4	%	97,2	96,9	97	96,8	96,8	97,1	97,3	97,1
	2/4	%	96,5	96,4	96,5	96,1	96,5	96,6	96,8	96,7
	1/4	%	94	94	93,8	93,3	94,2	94,2	94,2	94,2
Reactances (f. l.cl. F)	Xd	%	308	278	258,3	218,5	325	313,4	302,7	278
	Xd'	%	29,7	26,8	24,9	21,1	31,3	30,2	29,18	26,8
	Xd''	%	14,5	13,1	12,2	10,3	15,3	14,8	14	13,1
	Xq	%	219	198	183,9	155,7	231,5	223,2	215,6	198
	Xq'	%	219	198	183,9	155,7	231,5	223,2	215,6	198
	Xq''	%	31,2	28,2	26,2	22,2	33,0	31,8	30,7	28,2
	X ₂	%	20,7	18,7	17,4	14,7	22	21,1	20,36	18,7
	X ₀	%	4,9	4,4	4,1	3,5	5,1	5,0	4,79	4,4
Short Circuit Ratio	Kcc		0,32	0,36	0,39	0,46	0,31	0,32	0,33	0,36
Time Constants	Td'	sec.	0,27							
	Td''	sec.	0,022							
	Tdo'	sec.	10,4							
	Tα	sec.	0,031							
Short Circuit Current Capacity		%	>300				>300			
Excitation at no load	Amp.		0,8	1	1,2	1,4	0,4	0,5	0,7	0,9
Excitation at full load	Amp.		3	3,1	3,3	3,5	2,7	2,7	2,9	3
Overload (long-term)	%	1 hour in a 6 hours period 110% rated load								
Overload per 20 sec.	%	300								
Stator Winding Resistance (20°C)	Ω	0,0027								
Rotor Winding Resistance (20°C)	Ω	4,27								
Exciter Resistance (20 °C)	Ω	Rotor : 0,120				Stator : 12,90				
Heat dissipation at f.l.cl.H	W	60826	62792	66736	67622	33005	64825	63605	70638	
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 %	2,9 / 2,9								
Waveform Distors.(THD) at no load	LL/LN %	2,8 / 2,8								
Mechanical characteristics										
Protection		IP 21 (other protection on request)								
DE bearing		6330								
NDE bearing		6324								
Weight of wound stator assembly	kg	1890								
Weight of wound rotor assembly	kg	1147								
Weight of complete generator	kg	4260								
Maximun overspeed	rpm	2250								
Unbalanced magnetic pull at f.l.cl.F	kN/mm	6,9								
Cooling air requirement	m ³ /min	135				162				
Inertia Constant (H)	sec.	0,32				0,39				
Noise level at 1m/7m	dB(A)	97 / 86				100 / 91				

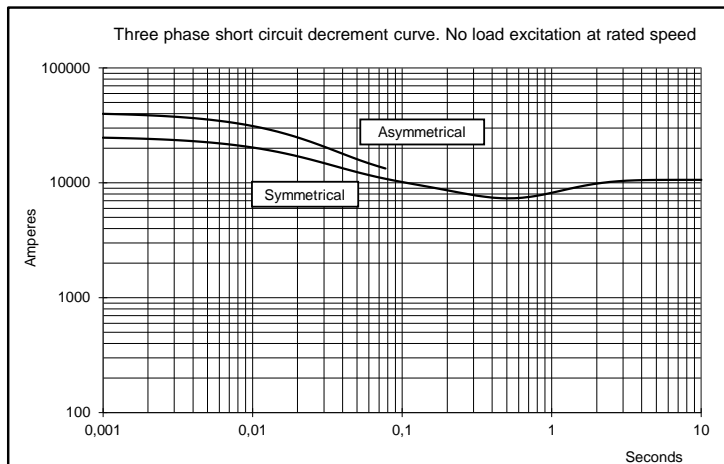
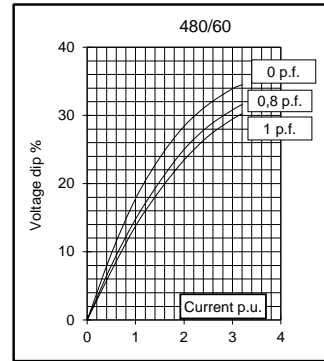
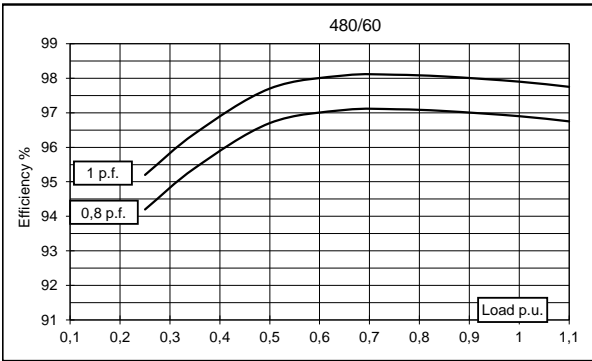
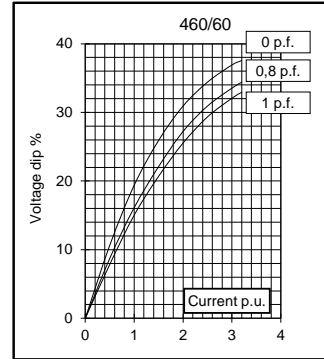
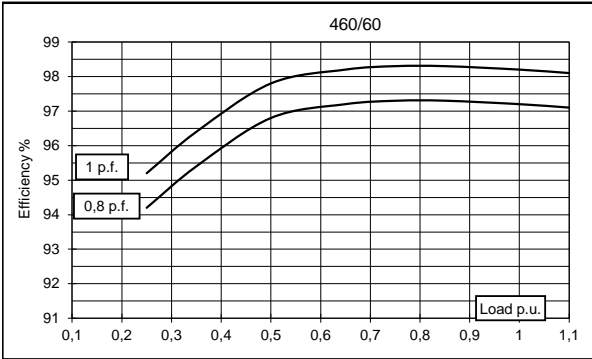
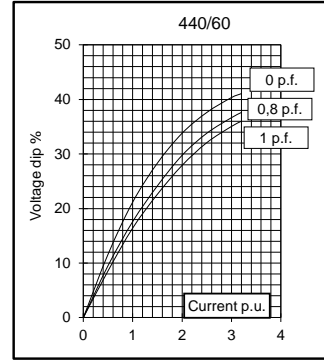
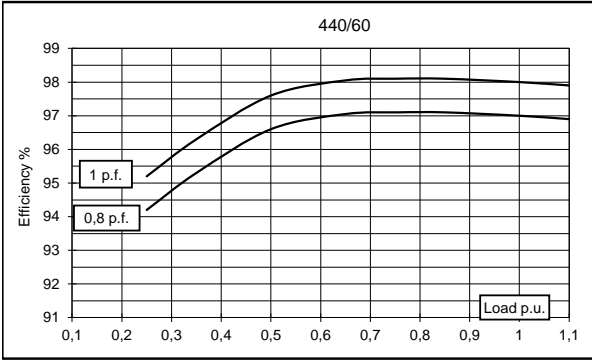
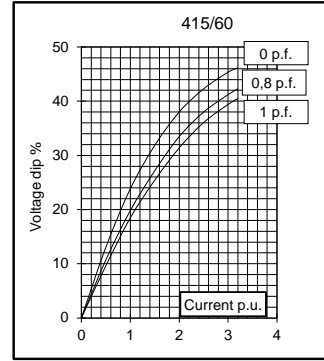
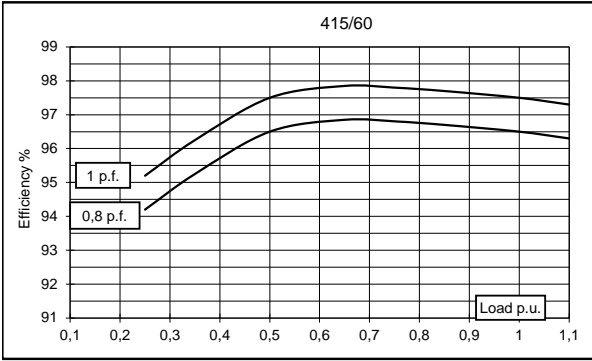
All technical data are to be considered as a reference and they can be modified without any notice.

This document is a propriety of Mecc Alte S.p.A.. All rights reserved.

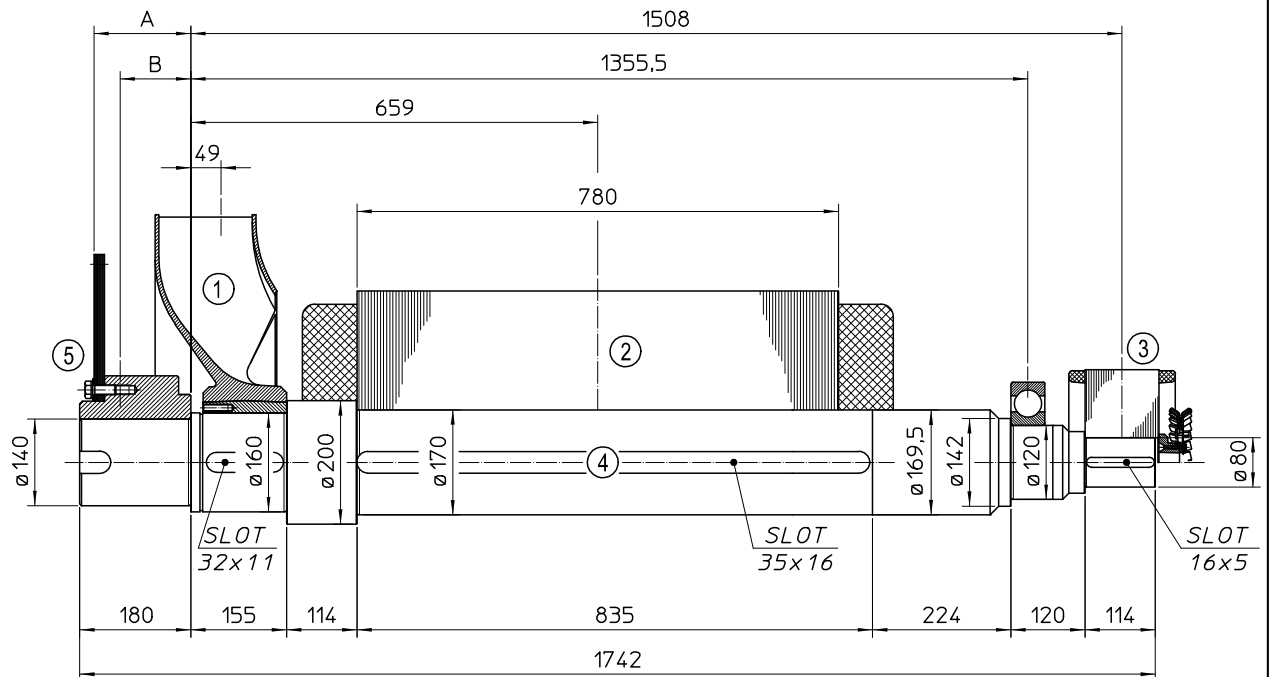
50 Hz



60 Hz



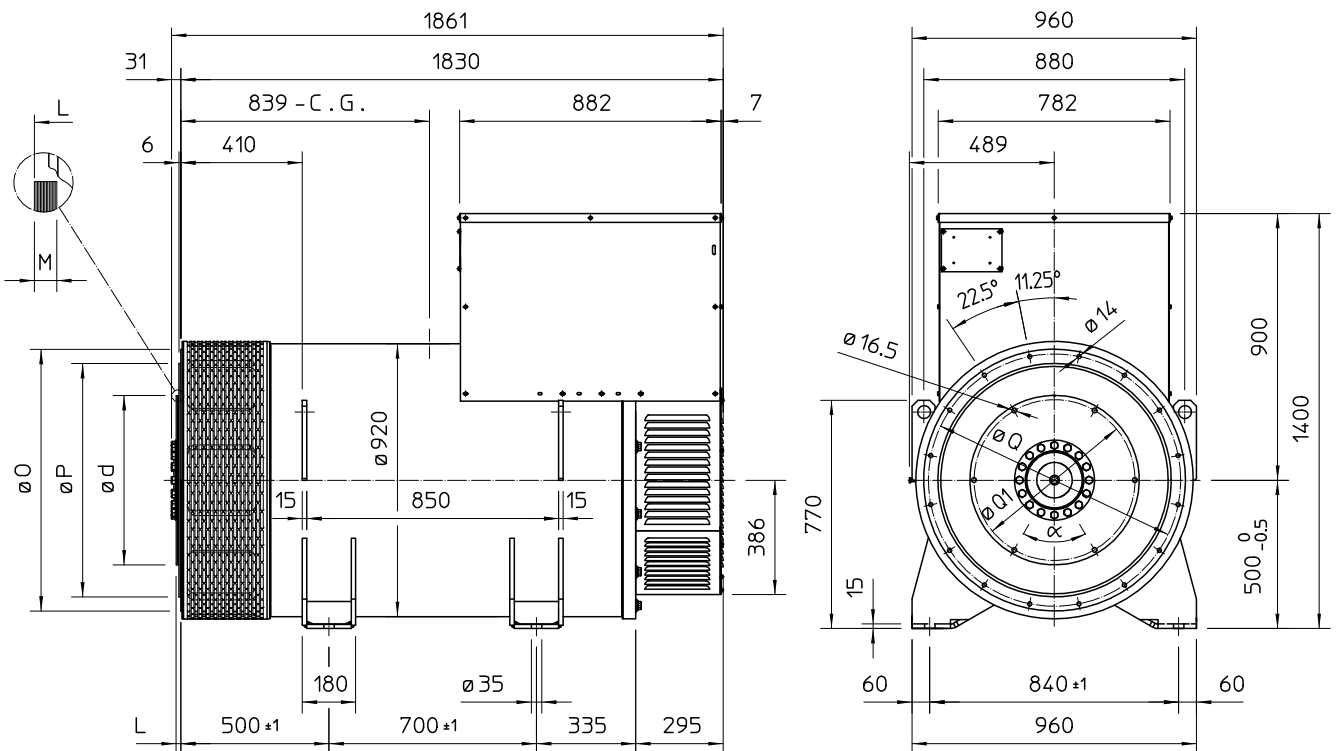
SINGLE BEARING MOMENTS OF INERTIA



POS.	COMPONENT	WEIGHT (kg)	J (kgm ²)
1	FAN	42.7	2,250
2	MAIN ROTOR	114.7	44,730
3	EX. ROTOR	60	0,730
4	SHAFT	269.5	0.934
TOTAL		1545.2	48.644

SAE N°	5		SHAFTS COUPLING FLEX PLATE	
	A	B	WEIGHT kg	J kgm ²
18	172.7	113.4	82.7	1.863
21	157	114.6	93.6	3.206

SINGLE BEARING DIMENSIONS



SAE N°	FLANGE		
	O	P	Q
0	711	647.7	679.5
00	883	787.4	850.9

SAE N°	DISC COUPLING						
	d	L	M	Q1	HOLES N°	α	
18	571.5	15.7	15	542.92	6	60°	
21	673.1	0	17	641.35	12	30°	

C.G.= GRAVITY CENTER