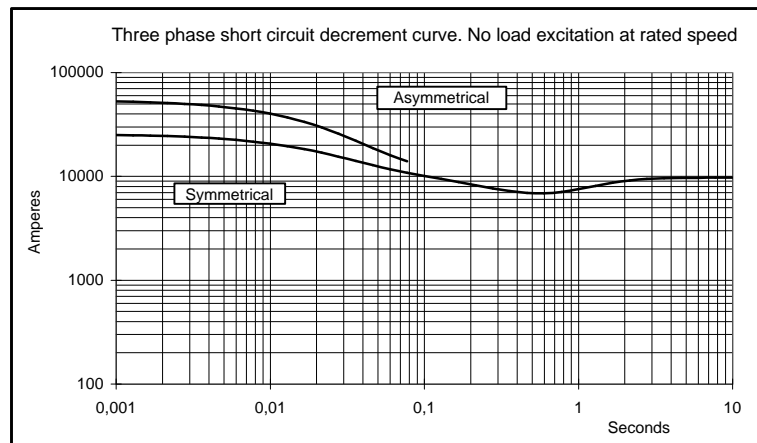
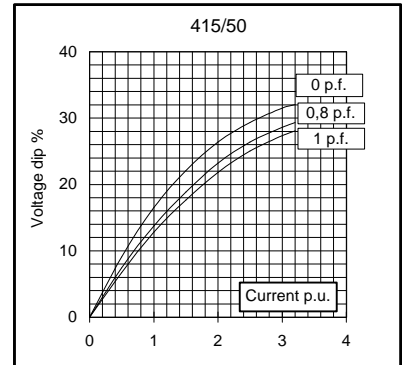
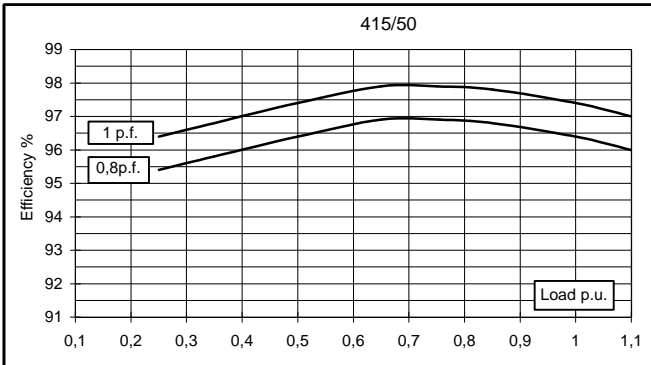
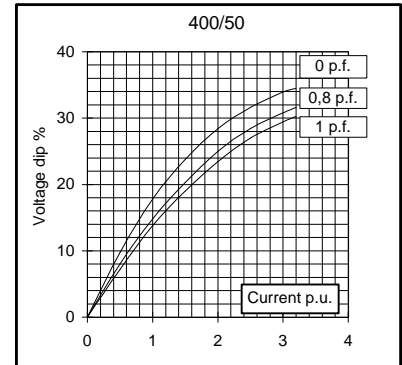
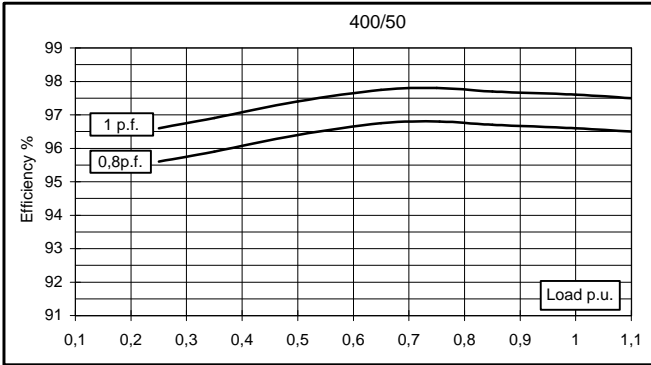
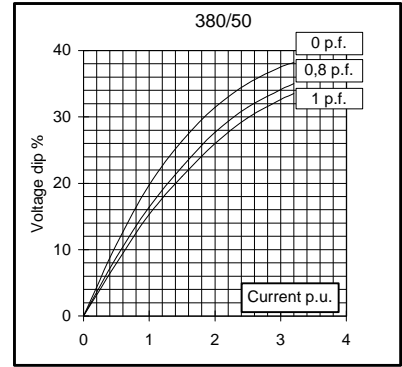
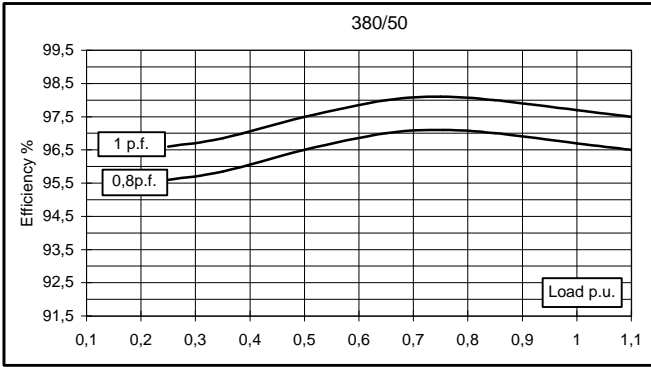


Electrical Characteristics										
Frequency	Hz	50				60				
Voltage (parallel star)	V	380	400	415	440	415	440	460	480	
Rated power class H	kVA	2100	2100	2100	/	/	2390	2520	2520	
	kW	1680	1680	1680	/	/	1912	2016	2016	
Rated power class F	kVA	1900	1900	1900	/	/	2150	2280	2280	
	kW	1520	1520	1520	/	/	1720	1824	1824	
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	%	96,7	96,6	96,4	/	/	96,7	96,9	96,8
(see graph. for details)	3/4	%	97,1	96,8	96,9	/	/	96,9	97,3	97
	2/4	%	96,5	96,4	96,4	/	/	96,5	96,7	96,6
	1/4	%	95,6	95,6	95,4	/	/	95,9	95,8	95,9
Reactances (f. l.cl. F)	Xd	%	401,1	362	336,3	/	/	406,2	394,2	362
	Xd'	%	26,9	24,3	22,6	/	/	27,27	26,5	24,3
	Xd''	%	13,1	11,8	11,0	/	/	13,24	12,8	11,8
	Xq	%	189,5	171	158,9	/	/	191,9	186,2	171
	Xq'	%	189,5	171	158,9	/	/	191,9	186,2	171
	Xq''	%	29,4	26,5	25	/	/	29,7	28,9	26,5
	X ₂	%	18,6	16,8	15,6	/	/	18,85	18,3	16,8
	X ₀	%	4,1	3,7	3	/	/	4,15	4,0	3,7
Short Circuit Ratio	Kcc		0,37	0,41	0,42	/	/	0,35	0,37	0,41
Time Constants	Td'	sec.	0,265							
	Td''	sec.	0,0225							
	Tdo'	sec.	11,0							
	Tα	sec.	0,031							
Short Circuit Current Capacity		%	>300				>350			
Excitation at no load	Amp.		0,7	0,8	0,9	/	/	0,5	0,65	0,75
Excitation at full load	Amp.		2,8	2,9	3	/	/	2,7	2,7	2,8
Overload (long-term)		%	1 hour in a 6 hours period 110% rated load							
Overload per 20 sec.		%	300							
Stator Winding Resistance (20°C)	Ω		0,0032							
Rotor Winding Resistance (20°C)	Ω		3,977							
Exciter Resistance (20 °C)	Ω		Rotor : 0,120				Stator : 12,90			
Heat dissipation at f.l.cl.H	W		57.332	59.130	62.739	/	/	65.249	64.495	66.645
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 %		3,3 / 2,9							
Waveform Distors.(THD) at no load	LL/LN %		2,7 / 2,6							
Mechanical characteristics										
Protection			IP 21 (other protection on request)							
DE bearing			NU2230							
NDE bearing			6324							
Weight of wound stator assembly	kg		1571							
Weight of wound rotor assembly	kg		985							
Weight of complete generator	kg		3870							
Maximun overspeed	rpm		2250							
Unbalanced magnetic pull at f.l.cl.F	kN/mm		6,8							
Cooling air requirement	m ³ /min		135				162			
Inertia Constant (H)	sec.		0,312				0,374			
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.

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50 Hz



60 Hz

