

SIMOVERT MASTERDRIVES Vector Control

6SE71 Converter Cabinet Units

Converter 37 kW to 1200 kW, with AFE self-commutated, pulsed rectifier/regenerative unit

Cabinet units



Selection and ordering data

Nominal power rating	Rated output current	Base load current	Short-time current	Rated input current	Converter with AFE	Power loss at 3 kHz	Dimensions Frame measurements W x H x D	Dimension drawing see Section 7	Weight approx.	Cooling-air requirement	Sound pressure level L_{pA} (1 m)
	I_{UN}	I_G	$I_{max.}$								
kW	A	A	A	A	Order No.	kW	mm		kg	m³/s	dB
Supply voltage 3 AC 660 V to 690 V											
690 V											
55	60	55	82	60	6SE7126-0HE61-5BA0	2.3	1500 x 2000 x 600	87	380	0.34	73
75	82	75	112	82	6SE7128-2HE61-5BA0	3.1	1500 x 2000 x 600	87	380	0.51	73
90	97	88	132	97	6SE7131-0HF61-5BA0	4.1	1800 x 2000 x 600 ²⁾	88	800	0.66	83
110	118	107	161	118	6SE7131-2HF61-5BA0	4.9	1800 x 2000 x 600	88	810	0.66	83
132	145	132	198	145	6SE7131-5HF61-5BA0	5.9	1800 x 2000 x 600	88	880	0.66	83
160	171	156	233	171	6SE7131-7HF61-5BA0	7.3	1800 x 2000 x 600	88	900	0.82	83
200	208	189	284	208	6SE7132-1HF61-5BA0	8.9	1800 x 2000 x 600 ¹⁾	88	1200	0.82	83
250	297	270	404	267	6SE7133-0HH62-5BA0	14.1	2400 x 2000 x 600 ¹⁾	89	1250	1.15	83
315	354	322	481	319	6SE7133-5HK62-5BA0	15.3	3000 x 2000 x 600	90	1450	1.3	83
400	452	411	615	407	6SE7134-5HK62-5BA0	18.8	3000 x 2000 x 600	90	1600	1.45	83
500	570	519	775	513	6SE7135-7HK62-5BA0	22.9	3000 x 2000 x 600	92	2300	1.9	88
630	650	592	884	585	6SE7136-5HK62-5BA0	26.4	3000 x 2000 x 600	92	2400	1.9	88
800	860	783	1170	774	6SE7138-6HK62-5BA0	32.8	3000 x 2000 x 600 ¹⁾	92	2450	2.7	88
1000	1080	983	1469	972	6SE7141-1HM62-5BA0	40.4	3600 x 2000 x 600	93	3400	2.7	88
1200	1230	1119	1673	1107	6SE7141-2HM62-5BA0	52.5	3600 x 2000 x 600	93	3450	2.7	88

1) Achieved reduction of cabinet width with option X39: 600 mm.

2) Achieved reduction of cabinet width with option X39: 300 mm.



Cabinet units

SIMOVERT MASTERDRIVES Vector Control 6SE71 Converter Cabinet Units

Converter 37 kW to 1200 kW, with AFE self-commutated, pulsed rectifier/regenerative unit

Supply connection (connecting lugs, bottom)							Motor connection (connecting lugs, bottom)						
Recommended cross-section		Maximum cable cross-section		Terminal screws		Recommended supply-cable fuses	Recommended cross-section		Maximum cable cross-section		Terminal screws		
DIN VDE mm ²	AWG/ MCM	Standard mm ²	Option	Standard	Option		DIN VDE mm ²	AWG/ MCM	Standard mm ²	Option	Standard	Option	
25	2	70	2 x 240	M 6	M 12	3NA3 824-6 (80)	25	2	2 x 70	2 x 240	M 10	M 12	
35	0	70	2 x 240	M 6	M 12	3NA3 830-6 (100)	35	0	2 x 70	2 x 240	M 10	M 12	
50	(00)	70	2 x 240	M 6	M 12	3NA3 132-6 (125)	50	(00)	2 x 150	2 x 240	M 12	–	
70	(000)	150	2 x 240	M 10	M 12	3NA3 136-6 (160)	70	(000)	2 x 150	2 x 240	M 12	–	
70	(000)	150	2 x 240	M 10	M 12	3NA3 136-6 (160)	70	(000)	2 x 150	2 x 240	M 12	–	
95	(4/0)	150	2 x 240	M 10	M 12	3NA3 240-6 (200)	95	(4/0)	2 x 150	2 x 240	M 12	–	
120	(300)	150	2 x 240	M 10	M 12	3NA3 244-6 (250)	120	(300)	2 x 150	2 x 240	M 12	–	
2 x 95	2 x (4/0)	2 x 150	2 x 240	M 10	M 12	3NA3 360-6 (400)	2 x 95	2 x (4/0)	4 x 240	–	M 12/16	–	
2 x 95	2 x (4/0)	2 x 150	2 x 240	M 10	M 12	3NA3 365-6 (500)	2 x 95	2 x (4/0)	4 x 240	–	M 12/16	–	
2 x 120	2 x (300)	2 x 240	4 x 240	M 12	–	Protective circuit-breaker	2 x 120	2 x (300)	4 x 240	–	M 12/16	–	
2 x 185	2 x (500)	4 x 240	–	M 12	–	Protective circuit-breaker	2 x 185	2 x (500)	4 x 240	–	M 12/16	–	
2 x 240	2 x 600	4 x 240	–	M 12	–	Protective circuit-breaker	2 x 240	2 x 600	4 x 240	–	M 12/16	–	
3 x 185	3 x (500)	4 x 240	–	M 12	–	Protective circuit-breaker	3 x 185	3 x (500)	4 x 240	–	M 12/16	–	
4 x 185	4 x (500)	8 x 300	–	M 16	–	Protective circuit-breaker	4 x 185	4 x (500)	6 x 300	–	M 12/16	–	
4 x 240	4 x 600	8 x 300	–	M 16	–	Protective circuit-breaker	4 x 240	4 x 600	6 x 300	–	M 12/16	–	