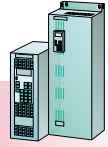


# SIMOVER MASTERDRIVES Motion Control

## Motor selection

Motor selection  
Compact and chassis units

Compact and  
chassis units



### Converters/inverters with 1PH7<sup>1)</sup> asynchronous servomotors

Motor data (utilization to temperature rise class F)														Converter data					
Rated speed	Size	Motor	Rated power	Rated torque	Rated current	Rated voltage	Speed during field-weakening <sup>2)</sup>	Max. operating speed <sup>3)</sup>	Power factor	Magnetizing-current	Efficiency	Rated frequency	Moment of inertia	Weight	Rated current	Converter	Inverter	E	T
$n_{rated}$		Order No.	$P_{rated}$	$\tau_{rated}$	$I_{rated}$	$V_{rated}$	$n_1$	$n_{max}$	$\cos \varphi$	$I_{\mu}$	$\eta_{rated}$	$f_{rated}$	$J$	$m$	$I_{n conv}$				
rpm			kW (HP)	Nm (lb <sub>f</sub> -in)	A	V	rpm	rpm		A		Hz	kg/m <sup>2</sup> (lb <sub>f</sub> -in-s <sup>2</sup> )	kg (lb)	A	Order No.			

### Supply voltage 3-ph. 400 V AC for SIMOVER MASTERDRIVES Motion Control converters

400	160	1PH7 163-..B.-.....	9.5 (12.7)	227 (167)	30	274	800	6500	0.88	11.5	0.809	14.3	0.185 (1.637)	175 (386)	34	6SE7 023-4□C□1		
	160	1PH7 167-..B.-.....	13 (17.4)	310 (228)	37	294	800	6500	0.88	14	0.814	14.3	0.228 (2.018)	210 (463)	37.5	6SE7 023-8□D□1		
	180	1PH7 184-..B.-.....	16.3 (21.8)	390 (287)	51	271	800	5000	0.84	26	0.83	14.2	0.503 (4.451)	370 (816)	59	6SE7 026-0□D□1		
	180	1PH7 186-..B.-.....	21.2 (28.4)	505 (372)	67	268	800	5000	0.81	38.5	0.845	14	0.666 (5.363)	440 (970)	72	6SE7 027-2□D□1		
	225	1PH7 224-..B.-.....	30.4 (40.8)	725 (533)	88	268	800	4500	0.87	36.5	0.864	14	1.479 (13.088)	630 (1389)	92	6SE7 031-0□E□0		
	225	1PH7 226-..B.-.....	39.2 (52.5)	935 (688)	114	264	800	4500	0.86	49	0.88	14	1.93 (17.08)	750 (1653)	124	6SE7 031-2□F□0		
	225	1PH7 228-..B.-.....	48 (64.3)	1145 (842)	136	272	800	4500	0.85	60.5	0.888	13.9	2.326 (20.584)	860 (1896)	155	6SE7 031-8□F□0		
1000	100	1PH7 103-..D.-.....	3.7 (5)	35 (26)	10	343	1800	9000	0.82	4.8	0.794	35.6	0.017 (0.150)	40 (88)	10.2	6SE7 021-0□A□1		
	100	1PH7 107-..D.-.....	6.25 (8.4)	60 (44)	17.5	319	2000	9000	0.81	8.9	0.822	35.3	0.029 (0.257)	65 (143)	17.5	6SE7 021-8□B□1		
	132	1PH7 133-..D.-.....	12 (16.1)	115 (85)	30	336	1800	8000	0.86	13	0.865	34.8	0.076 (0.673)	90 (198)	34	6SE7 023-4□C□1		
	132	1PH7 137-..D.-.....	17 (22.8)	162 (119)	43	322	2000	8000	0.86	19	0.878	34.6	0.109 (0.965)	150 (331)	47	6SE7 024-7□D□1		
	160	1PH7 163-..D.-.....	22 (29.5)	210 (154)	55	315	2000	6500	0.85	24	0.899	34.2	0.185 (1.637)	175 (386)	59	6SE7 026-0□D□1		
	160	1PH7 167-..D.-.....	28 (37.5)	267 (196)	71	312	2000	6500	0.84	33	0.903	34.2	0.228 (2.018)	210 (463)	72	6SE7 027-2□D□1		
	180	1PH7 184-..D.-.....	39 (52.3)	372 (274)	90	335	2000	5000	0.83	44	0.913	34.2	0.503 (4.451)	370 (816)	92	6SE7 031-0□E□0		
	180	1PH7 186-..D.-.....	51 (68.4)	485 (357)	116	340	2000	5000	0.81	58	0.918	34.1	0.666 (5.894)	440 (970)	124	6SE7 031-2□F□0		
	225	1PH7 224-..D.-.....	71 (95.2)	678 (499)	161	335	2000	4500	0.81	78.5	0.934	33.9	1.479 (13.088)	630 (1389)	175	6SE7 032-1□G□0		
	225	1PH7 226-..D.-.....	92 (123.3)	880 (647)	198	340	2000	4500	0.84	87.5	0.935	33.9	1.93 (17.08)	750 (1653)	218	6SE7 032-6□G□0		
225	1PH7 228-..D.-.....	113 (151.5)	1080 (794)	240	340	2000	4500	0.85	98	0.938	33.9	2.326 (20.584)	860 (1896)	262	6SE7 033-2□G□0			

For detailed motor information, please refer to Catalog DA 65.3.

SIMOVER MASTERDRIVES Motion Control

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SIMOVER MASTERDRIVES Motion Control Performance 2

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1) For rated currents below 37.5 A, Compact PLUS units can also be used.

2)  $n_1$ : motor speed at which, when  $P = P_{rated}$ , there is still a power reserve of 30 % before the stalling limit is reached or at which the mechanical speed limit is reached or at which the speed is limited by the SIMOVER MASTERDRIVES Motion Control converter due to  $f_{max} \leq 2 \cdot f_{rated}$ .

3) Warning! The maximum speed in field-weakening mode is sometimes limited to lower values due to  $f_{max} \leq 2 \cdot f_{rated}$ .



Compact and chassis units

# SIMOVERT MASTERDRIVES Motion Control

## Motor selection

Motor selection  
Compact and chassis units

Motor data (utilization to temperature rise class F)														Converter data			
Rated speed	Size	Motor	Rated power	Rated torque	Rated current	Rated voltage	Speed during field-weakening <sup>1)</sup>	Max. operating speed <sup>2)</sup>	Power factor	Magnetizing current	Efficiency	Rated frequency	Moment of inertia	Weight	Rated current	Converter Inverter	E T
$n_{rated}$ rpm		Order No.	$P_{rated}$ kW (HP)	$\tau_{rated}$ Nm (lb <sub>f</sub> -in)	$I_{rated}$ A	$V_{rated}$ V	$n_1$ rpm	$n_{max}$ rpm	$\cos \varphi$	$I_{\mu}$ A	$\eta_{rated}$	$f_{rated}$ Hz	$J$ kg/m <sup>2</sup> (lb <sub>f</sub> -in-s <sup>2</sup> )	$m$ kg (lb)	$I_{n conv}$ A	Order No.	▼
<b>Supply voltage 3-ph. 400 V AC for SIMOVERT MASTERDRIVES Motion Control converters</b>																	
<b>1500</b>	100	<b>1PH7101-..F..-....</b>	3.7 (5)	24 (18)	10	350	3000	9000	0.74	5.9	0.847	51.6	0.017 (0.15)	40 (88)	10.2	<b>6SE7021-0□A□1</b>	
	100	<b>1PH7103-..F..-....</b>	5.5 (7.4)	35 (26)	13	350	2100	9000	0.84	5.4	0.832	52.7	0.017 (0.15)	40 (88)	13.2	<b>6SE7021-3□B□1</b>	
	100	<b>1PH7105-..F..-....</b>	7 (9.4)	45 (33)	17.5	346	3000	9000	0.78	9.4	0.866	51.7	0.029 (0.257)	65 (143)	17.5	<b>6SE7021-8□B□1</b>	
	100	<b>1PH7107-..F..-....</b>	9 (12.1)	57 (42)	23.5	336	3000	9000	0.8	11	0.859	52	0.029 (0.257)	65 (143)	25.5	<b>6SE7022-6□C□1</b>	
	132	<b>1PH7131-..F..-....</b>	11 (14.7)	70 (51)	24	350	2900	8000	0.88	8.4	0.896	51.3	0.076 (0.673)	90 (198)	25.5	<b>6SE7022-6□C□1</b>	
	132	<b>1PH7133-..F..-....</b>	15 (20.1)	96 (71)	34	346	2500	8000	0.85	14	0.895	51.3	0.076 (0.673)	90 (198)	34	<b>6SE7023-4□C□5</b>	
	132	<b>1PH7135-..F..-....</b>	18.5 (24.8)	118 (87)	42	350	3000	8000	0.85	17	0.902	51.1	0.109 (0.965)	150 (331)	47	<b>6SE7024-7□D□1</b>	
	132	<b>1PH7137-..F..-....</b>	22 (29.5)	140 (103)	57	308	3000	8000	0.85	23	0.9	51.2	0.109 (0.965)	150 (331)	59	<b>6SE7026-0□D□1</b>	
	160	<b>1PH7163-..F..-....</b>	30 (40.2)	191 (140)	72	319	3000	6500	0.85	30	0.912	50.9	0.185 (1.637)	175 (386)	72	<b>6SE7027-2□D□0</b>	
	160	<b>1PH7167-..F..-....</b>	37 (49.6)	236 (174)	82	350	3000	6500	0.86	32	0.916	50.8	0.228 (2.018)	210 (463)	92	<b>6SE7031-0□E□0</b>	
	180	<b>1PH7 184-..F..-....</b>	51 (68.4)	325 (239)	120	335	3000	5000	0.78	64	0.93	50.7	0.503 (4.451)	370 (816)	124	<b>6SE7 031-2□F□0</b>	
	180	<b>1PH7 186-..F..-....</b>	74 (99.2)	471 (346)	170	330	3000	5000	0.81	84	0.937	50.7	0.666 (5.894)	440 (970)	175	<b>6SE7 032-1□G□0</b>	
	225	<b>1PH7 224-..U..-....</b>	95 (127.3)	605 (445)	204	340	3000	4500	0.84	88.5	0.944	50.6	1.479 (13.088)	630 (1389)	218	<b>6SE7 032-6□G□0</b>	
	225	<b>1PH7 226-..F..-....</b>	130 (174.3)	828 (609)	278	340	3000	4500	0.84	120	0.945	50.6	1.93 (17.08)	750 (1653)	308	<b>6SE7 033-7□G□0</b>	
	225	<b>1PH7 228-..F..-....</b>	160 (214.5)	1019 (752)	350	340	3000	4500	0.82	169	0.949	50.5	2.326 (20.585)	860 (1896)	423	<b>6SE7 035-1E K□0</b>	
<b>2000</b>	100	<b>1PH7 103-..G..-....</b>	7 (9.4)	33 (24)	17.5	343	4000	9000	0.8	8.3	0.857	68.9	0.017 (0.15)	40 (88)	17.5	<b>6SE7 021-8□C□1</b>	
	100	<b>1PH7 107-..G..-....</b>	10.5 (14.1)	50 (37)	26	350	4000	9000	0.8	12	0.869	68.6	0.029 (0.257)	65 (143)	25.5	<b>6SE7 022-6□C□1</b>	
	132	<b>1PH7 133-..G..-....</b>	20 (26.8)	96 (71)	45	350	3900	8000	0.86	18	0.898	68	0.076 (0.673)	90 (198)	47	<b>6SE7 024-7□D□1</b>	
	132	<b>1PH7 137-..G..-....</b>	28 (37.5)	134 (99)	60	350	4000	8000	0.88	21	0.903	68	0.109 (0.965)	150 (331)	59	<b>6SE7 027-3□D□1</b>	
	160	<b>1PH7 163-..G..-....</b>	36 (48.3)	172 (126)	85	333	4000	6500	0.84	37	0.906	67.5	0.185 (1.637)	175 (386)	92	<b>6SE7 031-0□E□0</b>	
	160	<b>1PH7 167-..G..-....</b>	41 (55)	196 (145)	89	350	4000	6500	0.84	40	0.907	67.4	0.228 (2.018)	210 (463)	92	<b>6SE7 031-0□E□0</b>	
<b>2500</b>	180	<b>1PH7 184-..L..-....</b>	78 (104.6)	298 (219)	171	340	5000	5000	0.82	77	0.937	84.1	0.503 (4.451)	370 (816)	175	<b>6SE7 032-1□G□0</b>	
	180	<b>1PH7 186-..L..-....</b>	106 (142.1)	405 (298)	235	335	5000	5000	0.82	108	0.942	84.1	0.666 (5.894)	440 (970)	262	<b>6SE7 033-2□G□0</b>	
	225	<b>1PH7 224-..L..-....</b>	142 (190.3)	542 (399)	298	340	4500	4500	0.84	115	0.948	84	1.479 (13.088)	630 (1389)	308	<b>6SE7 033-7□G□0</b>	
	225	<b>1PH7 226-..L..-....</b>	168 (225.2)	642 (474)	362	335	4500	4500	0.84	154	0.95	84	1.93 (17.08)	750 (1653)	423	<b>6SE7 035-1E K□0</b>	
	225	<b>1PH7 228-..L..-....</b>	205 (274.8)	783 (578)	433	340	4500	4500	0.84	185	0.95	83.9	2.326 (20.585)	860 (1896)	491	<b>6SE7 036-0E K□0</b>	

For detailed motor information, please refer to Catalog DA 65.3.

SIMOVERT MASTERDRIVES Motion Control

SIMOVERT MASTERDRIVES Motion Control Performance 2

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1)  $n_1$ : motor speed at which, when  $P = P_{rated}$ , there is still a power reserve of 30 % before the stalling limit is reached or at which the mechanical speed limit is reached or at which the speed is limited by the SIMOVERT MASTERDRIVES Motion Control converter due to  $f_{max.} \leq 2 \cdot f_{rated}$ .

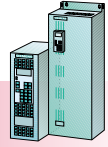
2) Warning! The maximum speed in field-weakening mode is sometimes limited to lower values due to  $f_{max.} \leq 2 \cdot f_{rated}$ .

# SIMOVER MASTERDRIVES Motion Control

## Motor selection

Motor selection  
Compact and chassis units

Compact and  
chassis units



### Converters/inverters with 1PH7<sup>1)</sup> asynchronous servomotors (continued)

Motor data (utilization to temperature rise class F)														Converter data				
Rated speed	Size	Motor	Rated power	Rated torque	Rated current	Rated voltage	Speed during field-weakening <sup>2)</sup>	Max. operating speed <sup>3)</sup>	Power factor	Magnetizing-current	Efficiency	Rated frequency	Moment of inertia	Weight	Rated current	Converter	Inverter	E
$n_{rated}$		Order No.	$P_{rated}$	$\tau_{rated}$	$I_{rated}$	$V_{rated}$	$n_1$	$n_{max}$	$\cos \varphi$	$I_{\mu}$	$\eta_{rated}$	$f_{rated}$	$J$	$m$	$I_{n conv}$			
rpm			kW (HP)	Nm (lb <sub>f</sub> -in)	A	V	rpm	rpm		A		Hz	kg/m <sup>2</sup> (lb <sub>f</sub> -in-s <sup>2</sup> )	kg (lb)	A	Order No.	T	
<b>Supply voltage 3-ph. 480 V AC for SIMOVER MASTERDRIVES Motion Control converters</b>																		
<b>400</b>	160	<b>1PH7 163-..B.-.....</b>	9.5 (12.7)	227 (167)	30	274	800	6500	0.88	11.5	0.809	14.3	0.185 (1.637)	175 (386)	34	<b>6SE7 023-4□C□1</b>		
	160	<b>1PH7 167-..B.-.....</b>	13 (17.4)	310 (228)	37	294	800	6500	0.88	14	0.814	14.3	0.228 (2.018)	210 (463)	37.5	<b>6SE7 023-8□D□1</b>		
	180	<b>1PH7 184-..B.-.....</b>	16.3 (21.8)	390 (287)	51	271	800	5000	0.84	26	0.83	14.2	0.503 (4.451)	370 (816)	59	<b>6SE7 026-0□D□1</b>		
	180	<b>1PH7 186-..B.-.....</b>	21.2 (28.4)	505 (372)	67	268	800	5000	0.81	38.5	0.845	14	0.666 (5.363)	440 (970)	72	<b>6SE7 027-2□D□1</b>		
	225	<b>1PH7 224-..B.-.....</b>	30.4 (40.8)	725 (533)	88	268	800	4500	0.87	36.5	0.864	14	1.479 (13.088)	630 (1389)	92	<b>6SE7 031-0□E□0</b>		
	225	<b>1PH7 226-..B.-.....</b>	39.2 (52.5)	935 (688)	114	264	800	4500	0.86	49	0.88	14	1.93 (17.08)	750 (1653)	124	<b>6SE7 031-2□F□0</b>		
	225	<b>1PH7 228-..B.-.....</b>	48 (64.3)	1145 (842)	136	272	800	4500	0.85	60.5	0.888	13.9	2.326 (20.584)	860 (1896)	155	<b>6SE7 031-8□F□0</b>		
<b>1150</b>	100	<b>1PH7 103-..D.-.....</b>	4.3 (5.8)	36 (26)	10	391	2200	9000	0.81	5	0.813	40.6	0.017 (0.15)	40 (88)	10.2	<b>6SE7 021-0□A□1</b>		
	100	<b>1PH7 107-..D.-.....</b>	7.2 (9.7)	60 (44)	17.5	360	2300	9000	0.81	8.8	0.838	40.3	0.029 (0.257)	65 (143)	17.5	<b>6SE7 021-8□B□1</b>		
	132	<b>1PH7 133-..D.-.....</b>	13.5 (18.1)	112 (82)	29	381	2300	8000	0.85	13	0.877	39.7	0.076 (0.673)	90 (198)	34	<b>6SE7 023-4□C□1</b>		
	132	<b>1PH7 137-..D.-.....</b>	19.5 (26.1)	162 (119)	43	367	2300	8000	0.86	19	0.887	39.6	0.109 (0.965)	150 (331)	47	<b>6SE7 024-7□D□1</b>		
	160	<b>1PH7 163-..D.-.....</b>	25 (33.5)	208 (153)	55	364	2300	6500	0.84	25	0.904	39.2	0.185 (1.637)	175 (386)	59	<b>6SE7 026-0□D□1</b>		
	160	<b>1PH7 167-..D.-.....</b>	31 (41.6)	257 (189)	70	357	2300	6500	0.83	34	0.909	39.1	0.228 (2.018)	210 (436)	72	<b>6SE7 027-2□D□1</b>		
	180	<b>1PH7 184-..D.-.....</b>	44 (59)	366 (269)	89	383	2300	5000	0.83	42	0.92	39.2	0.503 (4.451)	370 (816)	92	<b>6SE7 031-0□E□0</b>		
	180	<b>1PH7 186-..D.-.....</b>	58 (77.7)	482 (354)	116	390	2300	5000	0.81	58	0.925	39.1	0.666 (5.894)	440 (970)	124	<b>6SE7 031-2□F□0</b>		
	225	<b>1PH7 224-..D.-.....</b>	81 (108.6)	670 (346)	160	385	2300	4500	0.81	79	0.938	38.9	1.479 (13.088)	630 (1389)	175	<b>6SE7 032-1□G□0</b>		
	225	<b>1PH7 226-..D.-.....</b>	105 (140.8)	870 (640)	197	390	2300	4500	0.84	87.5	0.941	38.9	1.93 (17.08)	750 (1653)	218	<b>6SE7 032-6□G□0</b>		
	225	<b>1PH7 228-..D.-.....</b>	129 (172.9)	1070 (787)	238	390	2300	4500	0.85	98	0.943	38.9	2.326 (20.584)	860 (1896)	262	<b>6SE7 033-2□G□0</b>		

For detailed motor information, please refer to Catalog DA 65.3.

SIMOVER MASTERDRIVES Motion Control

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SIMOVER MASTERDRIVES Motion Control Performance 2

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1) For rated currents below 37.5 A, Compact PLUS units can also be used.

2)  $n_1$ : motor speed at which, when  $P = P_{rated}$ , there is still a power reserve of 30 % before the stalling limit is reached or at which the mechanical speed limit is reached or at which the speed is limited by the SIMOVER MASTERDRIVES Motion Control converter due to  $f_{max} \leq 2 \cdot f_{rated}$ .

3) Warning! The maximum speed in field-weakening mode is sometimes limited to lower values due to  $f_{max} \leq 2 \cdot f_{rated}$ .



Compact and chassis units

# SIMOVERT MASTERDRIVES Motion Control

## Motor selection

Motor selection  
Compact and chassis units

Motor data (utilization to temperature rise class F)														Converter data			
Rated speed	Size	Motor	Rated power	Rated torque	Rated current	Rated voltage	Speed during field-weakening <sup>1)</sup>	Max. operating speed <sup>2)</sup>	Power factor	Magnetizing current	Efficiency	Rated frequency	Moment of inertia	Weight	Rated current	Converter Inverter	E T
$n_{rated}$ rpm		Order No.	$P_{rated}$ kW (HP)	$\tau_{rated}$ Nm (lb <sub>f</sub> -in)	$I_{rated}$ A	$V_{rated}$ V	$n_1$ rpm	$n_{max}$ rpm	$\cos \varphi$	$I_{\mu}$ A	$\eta_{rated}$	$f_{rated}$ Hz	$J$ kg/m <sup>2</sup> (lb <sub>f</sub> -in-s <sup>2</sup> )	$m$ kg (lb)	$I_{n conv}$ A	Order No.	
1750	100	1PH7 101-..F.-.....	4.3 (5.8)	24 (18)	10	398	3500	9000	0.75	5.7	0.855	60	0.017 (0.15)	40 (88)	10.2	6SE7 021-0□A□1	
	100	1PH7 103-..F.-.....	6.25 (8.4)	34 (25)	13	398	2600	9000	0.84	5.3	0.849	61	0.017 (0.15)	40 (88)	13.2	6SE7 021-3□B□1	
	100	1PH7 105-..F.-.....	8 (10.7)	44 (32)	17.5	398	3500	9000	0.77	9.3	0.875	60	0.029 (0.257)	65 (143)	17.5	6SE7 022-8□C□1	
	100	1PH7 107-..F.-.....	10 (13.4)	55 (40)	23	381	3500	9000	0.80	10.6	0.87	60.3	0.029 (0.257)	65 (143)	25.5	6SE7 022-6□C□1	
	132	1PH7 131-..F.-.....	13 (17.4)	71 (52)	24	398	3300	8000	0.88	8.1	0.902	59.7	0.076 (0.673)	90 (198)	25.5	6SE7 022-6□C□1	
	132	1PH7 133-..F.-.....	17.5 (23.5)	96 (71)	34	398	3400	8000	0.85	14	0.9	59.7	0.076 (0.673)	90 (198)	34	6SE7 023-4□C□1	
	132	1PH7 135-..F.-.....	21.5 (28.8)	117 (86)	42	398	3500	8000	0.86	16	0.906	59.5	0.109 (0.965)	150 (331)	47	6SE7 024-7□D□1	
	132	1PH7 137-..F.-.....	25 (33.5)	136 (100)	56	357	3500	8000	0.85	23	0.902	59.5	0.109 (0.965)	150 (331)	59	6SE7 026-0□D□1	
	160	1PH7 163-..F.-.....	34 (45.6)	186 (136)	72	364	3500	6500	0.86	28	0.915	59.2	0.185 (1.637)	175 (386)	72	6SE7 027-2□D□1	
	160	1PH7 167-..F.-.....	41 (55)	224 (165)	79	398	3500	6500	0.86	30	0.92	59.2	0.228 (2.018)	210 (463)	92	6SE7 031-0□E□0	
	180	1PH7 184-..F.-.....	60 (80.4)	327 (240)	120	388	3500	5000	0.78	64	0.934	59	0.503 (4.451)	370 (816)	124	6SE7 031-2□F□0	
	180	1PH7 186-..F.-.....	85 (113.9)	465 (342)	169	385	3500	5000	0.8	84	0.94	59	0.666 (5.894)	440 (970)	186	6SE7 032-1□G□0	
	225	1PH7 224-..U.-.....	110 (147.5)	600 (441)	203	395	3500	4500	0.84	88	0.944	58.9	1.479 (13.088)	630 (1389)	210	6SE7 032-6□G□0	
225	1PH7 226-..F.-.....	135 (181)	737 (542)	254	395	3500	4500	0.82	120	0.947	58.9	1.93 (17.08)	750 (1653)	262	6SE7 033-2□G□0		
225	1PH7 228-..F.-.....	179 (240)	975 (719)	342	395	3500	4500	0.81	169	0.948	58.8	2.326 (20.585)	860 (1896)	423	6SE7 035-1E K□0		
2300	100	1PH7 103-..G.-.....	7.5 (10.1)	31 (23)	17	388	4600	9000	0.79	8.2	0.866	78.8	0.017 (0.15)	40 (88)	17.5	6SE7 021-8□C□1	
	100	1PH7 107-..G.-.....	12 (16.1)	50 (37)	26	400	4600	9000	0.8	12	0.878	78.7	0.029 (0.257)	65 (143)	25.5	6SE7 022-6□C□1	
	132	1PH7 133-..G.-.....	22.5 (30.2)	93 (68)	45	398	4600	8000	0.86	17	0.9	78	0.076 (0.673)	90 (198)	47	6SE7 024-7□D□1	
	132	1PH7 137-..G.-.....	29 (38.9)	120 (88)	56	398	4600	8000	0.87	21	0.903	77.8	0.109 (0.965)	150 (331)	59	6SE7 026-0□D□1	
	160	1PH7 163-..G.-.....	38 (50.9)	158 (116)	82	398	4600	6500	0.78	43	0.9	77.3	0.185 (1.637)	175 (386)	92	6SE7 031-0□E□0	
	160	1PH7 167-..G.-.....	44 (60)	183 (135)	85	398	4600	6500	0.84	40	0.911	77.4	0.228 (2.018)	210 (463)	92	6SE7 031-0□E□0	
2900	180	1PH7 184-..L.-.....	81 (108.6)	265 (195)	158	395	5000	5000	0.8	77	0.934	97.4	0.503 (4.451)	370 (816)	175	6SE7 032-1□G□0	
	180	1PH7 186-..L.-.....	101 (135.4)	333 (245)	206	385	5000	5000	0.78	107	0.936	97.3	0.666 (5.894)	440 (970)	218	6SE7 032-6□G□0	
	225	1PH7 224-..L.-.....	149 (199.7)	490 (360)	274	395	4500	4500	0.84	115	0.946	97.3	1.479 (13.088)	630 (1389)	308	6SE7 033-7□G□0	
	225	1PH7 226-..L.-.....	185 (248)	610 (450)	348	390	4500	4500	0.83	154	0.947	97.2	1.93 (17.081)	750 (1654)	423	6SE7 035-1E K□0	
	225	1PH7 228-..L.-.....	215 (288)	708 (522)	402	395	4500	4500	0.82	186	0.946	97.2	2.326 (20.585)	860 (1896)	491	6SE7 036-0E K□0	

For detailed motor information, please refer to Catalog DA 65.3.

SIMOVERT MASTERDRIVES Motion Control

SIMOVERT MASTERDRIVES Motion Control Performance 2

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1)  $n_1$ : motor speed at which, when  $P = P_{rated}$ , there is still a power reserve of 30 % before the stalling limit is reached or at which the mechanical speed limit is reached or at which the speed is limited by the SIMOVERT MASTERDRIVES Motion Control converter due to  $f_{max.} \leq 2 \cdot f_{rated}$ .

2) Warning! The maximum speed in field-weakening mode is sometimes limited to lower values due to  $f_{max.} \leq 2 \cdot f_{rated}$ .