6.2.7.2 Double Motor Modules

Table 6- 13 Technical data Double Motor Modules Booksize (3 to 18A)

Internal air cooling	**6SL3120-**	**2TE13-0AAx 1)**	**2TE15-0AAx 1)**	**2TE21-0AAx 1)**	**2TE21-8AAx**
Output current					
Rated current (I_n)	A_{ACrms}	**2 x 3**	**2 x 5**	**2 x 9**	**2 x 18**
Base-load current (I_H)	A	2 x 2.6	2 x 4.3	2 x 7.7	2 x 15.3
Intermittent duty current (I_{s6}) 40%	A_{ACrms}	2 x 3.5	2 x 6	2 x 10	2 x 24
Peak current (I_{max})	A_{ACrms}	2 x 6	2 x 10	2 x 18	2 x 36
Output voltage	V_{ACrms}	0 - 0.717 x DC link voltage			
DC link current I_d	A_{DC}	7.2	12	22	43
DC link voltage	V_{DC}	510 – 720			
DC link capacitance	µF	220	220	220	705
Overvoltage trip	V_{DC}	820 ± 2 %			
Undervoltage trip 2)	V_{DC}	380 ± 2 %			
Electronics power supply	V_{DC}	24 (20,4 - 28,8)			
Electronics current consumptionat 24 V DC	A_{DC}	1,15	1,15	1,15	1,3
Current carrying capacity					
DC link busbars	A_{DC}	100			
Reinforced DC link busbars	A_{DC}	150			
24 V DC busbars	A	20			
Unit rating					
Based on I_n (600 V_{DC}, 4 kHz)	kW	2 x 1.6	2 x 2.7	2 x 4.8	2 x 9.7
Based on I_H	kW	2 x 1.4	2 x 2.3	2 x 4.1	2 x 8.2
Total power loss (including electronics losses) 3)	W	97,6	132,6	187,6	351,2
Max. pulse frequency					
without derating	kHz	4			
with derating	kHz	16			
Max. ambient temperature					
without derating	° C	40			
with derating	° C	55			
Sound pressure level	dBA	<60	<60	<60	<60
Cooling method		Internal fan			
Cooling air requirement	m^3/h	29,6	29,6	29,6	56
Max. permissible heat sink temperature	° C	85	90	89	90
Weight	kg	5,3	5,3	5,5	6,8

1) Applies only to order numbers with x = 0...3

2) Default for 400 V line supplies; undervoltage trip threshold can be reduced by up to 80 V and is adjusted to the parameterized rated voltage.

3) For an overview, see the power loss tables in Section "Control cabinet installation"