

Section 2 - Technical Specifications

2.1 Electrical Specifications

AE-Lift motor driver technical specifications and maximum ratings are shown in Table 2.1. Motor driver will be damaged if maximum ratings are exceeded or if improper auxiliary units are used. For this reason select auxiliary devices according to the tables shown below.

Table 2.1 Electrical Specifications of AE-LIFT Motor Drivers

MODEL	AEL04	AEL05	AEL07	AEL11	AEL15	AEL22
Nominal Motor Power	4 kW (5.5 HP)	5.5 kW (7.5 HP)	7.5 kW (10 HP)	11 kW (15 HP)	15 kW (20 HP)	22 kW (30 HP)
Nominal Output Current	9 A	13 A	18 A	25 A	32 A	45 A
Maximum Current Allowed Time	18 A 5 s	26 A 5 s	36 A 5 s	50 A 5 s	64 A 5 s	90 A 5 s
Control Circuit Input Voltage	1-Phase 100V.....240V AC 50/60 Hz +- %5					
Nominal Supply Voltage	3-Phase 340V.....420V AC 50/60 Hz +- %5					
Nominal Output Voltage	3-Phase 0V.....420V AC 0.....100 Hz					
Carrier Frequency	6....16 KHz					

Table 2.2 Electrical Specifications of Braking Resistors

MODEL	AEL04	AEL05	AEL07	AEL11	AEL15	AEL22
Braking Resistor Values	120 Ω	80 Ω	60 Ω	40 Ω	30 Ω	20 Ω
Minimum Resistor Power of Asynchronous Motor for low traffic or low rise buildings	1.000 W	1.200 W	1.500 W	2.200 W	3.000 W	4.400 W
Minimum Resistor Power of Synchronous Motor for low traffic or low rise buildings	1.500 W	1.800 W	2.250 W	3.300 W	4.500 W	6.600 W
Resistor Power for high traffic or high rise buildings	3.500 W	5.000 W	7.000 W	10.000 W	14.000 W	20.000 W

Table 2.3 AE-LIFT DC Reactor Selection List

Device Model	DC Reactor Model	DC Reactor Inductance	DC Reactor Current
AEL04	DR04	7.0 mH	10 A
AEL05	DR05	4.0 mH	14 A
AEL07	DR07	3.5 mH	20 A
AEL11	DR11	2.2 mH	27 A
AEL15	DR15	1.8 mH	35 A
AEL22	DR22	1.3 mH	50 A