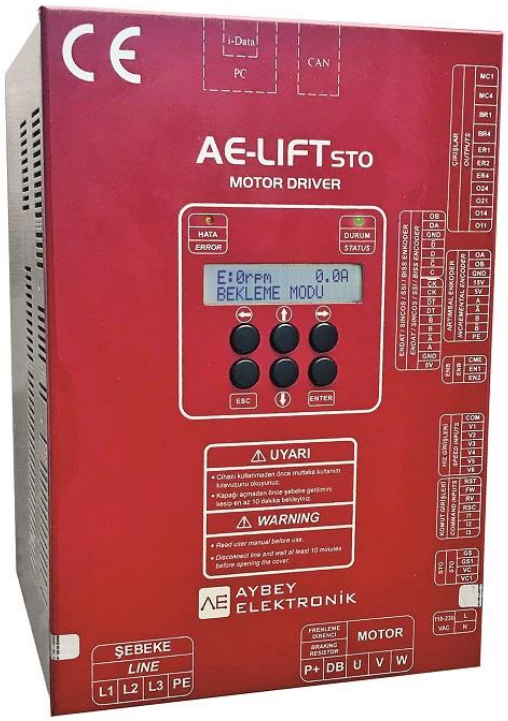
AE-LIFT STO

MOTOR DRIVER



USER MANUAL

Version: 1.1

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SECTION 3-SUITABLE MATERIAL SELECTION FOR AE-LIFT STO

The technical information about power, connection, switching, filter equipment and the additional elements to be used in the rescue process for the AE-LIFT STO are given in this section.

If these parts are not selected appropriately, the desired performance may not be obtained and permanent damage may occur on the device. Therefore, in the selection of additional elements, the values given in the tables should be considered and in case of hesitation, technical support units should be consulted.

3.1 3X400V ADDITIONAL ELEMENT VALUES FOR DEVICES

3.1.1 BRAKING RESISTOR

BRAKING RESISTOR VALUES AND POWERS FOR AE-LIFT 3x400V SERIES							
MODEL	**264AES04**	**264AES05**	**264AES07**	**264AES11**	**264AES15**	**264AES22**	**264AES30**
Braking Resistor Values	**120 Ω**	**80 Ω**	**60 Ω**	**40 Ω**	**30 Ω**	**20 Ω**	**15 Ω**
Minimum Resistor Power of Asynchronous Motor (Car speed < 1.6m/s)	1.000 W	1.200 W	1.500 W	2.200 W	3.000 W	4.400 W	6.000 W
Minimum Resistor Power of Asynchronous Motor (Car speed ≥ 1.6m/s)	1.500 W	1.800 W	2.250 W	3.300 W	4.500 W	6.600 W	9.000 W
Minimum Resistor Power of Synchronous Motor (Car speed < 1.6m/s)	1.500 W	1.800 W	2.250 W	3.300 W	4.500 W	6.600 W	9.000 W
Minimum Resistor Power of Synchronous Motor (Car speed ≥ 1.6m/s)	2.000 W	2.400 W	3.000 W	4.400 W	6.000 W	8.800 W	12.000 W
Minimum Resistor Power of Synchronous Motor (Car speed ≥ 2.0m/s)	2.500 W	3.000 W	3.750 W	5.500 W	7.500 W	11.000 W	15.000 W

- Recommended minimum resistor power values are given.
- In applications, with long travel or depending on the using the elevator, you may need to use a higher power resistor.