

## CHAPTER 9 BRAKING RESISTORS AND BRAKING UNITS

Voltage	Applicable Motor (kW)	Full Load Torque KG-M	Equivalent resistors specification for each drive	Dynamic Brake Unit	Braking Resistors Model (DBR-xxxxxxx) No. of Units Used		Braking Torque 10% E.D.	Minimum resistance for each drive
	E1							
230V Class	0.2	0.108	80W 200Ω	Built-in	080W200	1	440	80Ω
	0.4	0.216	80W 200Ω		080W200	1	220	80Ω
	0.75	0.427	80W 200Ω		080W200	1	125	80Ω
	1.5	0.849	300W 100Ω		300W100	1	125	55Ω
	2.2	1.262	300W 70Ω		300W070	1	125	35Ω
	3.7	2.080	400W 40Ω		400W040	1	125	25Ω
	5.5	3.111	500W 30Ω		500W030	1	125	16Ω
	7.5	4.148	1000W 20Ω		1K0W020	1	125	12Ω
460V Class	0.4	0.216	80W 750Ω	Built-in	080W750	1	220	6.8Ω
	0.75	0.427	80W 750Ω		080W750	1	125	6.8Ω
	1.5	0.849	300W 400Ω		300W400	1	125	190Ω
	2.2	1.262	300W 250Ω		300W250	1	125	145Ω
	3.7	2.080	400W 150Ω		400W150	1	125	95Ω
	5.5	3.111	500W 100Ω		500W100	1	125	60Ω
	7.5	4.148	1000W 75Ω		1K0W075	1	125	45Ω

Note:

1. Please select the factory default resistance value (Watt) and the duty cycle (E.D. %).
2. If damage resulted in the inverter or other equipments due to the fact that the braking resistors and the braking modules in use are not provided by Toptek, the warranty will be void.
3. Take into consideration the safety of the environment when installing the braking resistors.
4. If the minimum resistance value is to be utilized, consult local dealers for the calculation of the Watt figures.
5. Please select thermal relay trip contact to prevent resistor over load.