

TOSHIBA AS3 AC Drives – Specifications

Toshiba AS3 Brake Specifications

Dynamic braking absorbs the motor regeneration energy when the motor is decelerated faster than it would if it was allowed to coast to a stop. The regeneration energy is dissipated by braking resistors. All drives have the braking function built-in and do not require a separate dynamic braking unit. The recommended NEMA 1 type brake resistors available at AutomationDirect for each drive model are listed in the table below.

Toshiba AS3 Brake Specifications									
Voltage (V)	Drive Part Number	HP (HD)	DC Voltage	125% Braking Torque @ 10% Duty Cycle					
				Drive Braking Capacity - Max Torque			NEMA1 Resistors with Thermal Switch		
				Minimum Resistor	Max Total Brake Current (A)	Peak Power (kW)	Part #	Quantity	Total Brake Current (A)
460	VFAS3-4004PC	0.5	790	78.0	10.1	8.0	BR-N1-240W250	1	3.2
	VFAS3-4007PC	1.0					BR-N1-240W150	1	5.3
	VFAS3-4015PC	2					BR-N1-500W200	1	4.0
	VFAS3-4022PC	3		31.2	25.3	20.0	BR-N1-500W130	1	6.1
	VFAS3-4037PC	5					BR-N1-720W85	1	9.3
	VFAS3-4055PC	8					BR-N1-1K2W50	1	15.8
	VFAS3-4075PC	10.0		22.3	35.4	28.0	BR-N1-1K7W30	1	26.3
	VFAS3-4110PC	15					BR-N1-2K3W26	1	30.4
	VFAS3-4150PC	20					BR-N1-2K8W25	1	31.6
	VFAS3-4185PC	25		12.0	65.8	52.0	BR-N1-4K0W16P0	1	49.4
	VFAS3-4220PC	30.0					BR-N1-4K7W14P7	1	53.7
	VFAS3-4300PC	40					BR-N1-6K5W06P4	1	123.4
	VFAS3-4370PC	50		7.9	100.0	79.0	BR-N1-10K8W04P3	1	183.7
	VFAS3-4450PC	60							
	VFAS3-4550PC	75							
	VFAS3-4750PC	100.0		2.5	316.0	249.6			