

Standard Duty Braking Transistors



Overvoltage Solutions



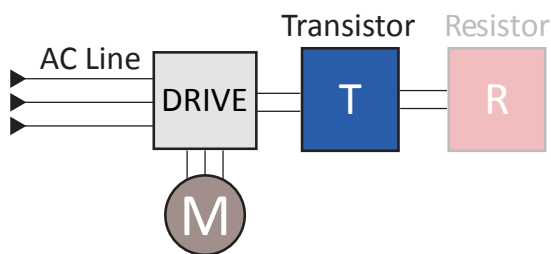
BONITRON

M3575T & M3675T Series

Bonitron Braking Transistors are used with AC drives to allow full power braking and eliminate overvoltage faults. This permits controlled braking and dramatically shortens motor stopping time. **The M3575T and M3675T series are ideal for drives with no internal braking transistor or 7th IGBT and work with variable frequency drives to monitor the DC bus. If overvoltage occurs, the braking transistor shunts the excess energy through a braking resistor to prevent overvoltage faults.**

Standard and custom braking resistors are also available from Bonitron. For more information see the M3575R and M3775R series.

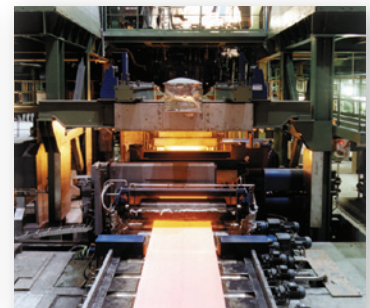
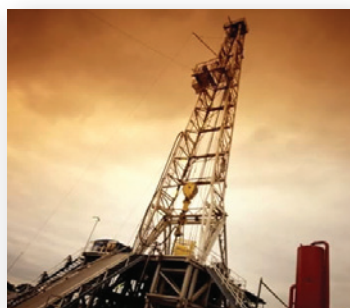
The M3575T and M3675T series are rated for 20% duty. For higher horsepower and duty cycles, see the Bonitron M3452 series, which is available with optional advanced diagnostics for remote monitoring, including extended I/O, EtherNet/IP™ and PROFIBUS DP™.



Product Highlights

- Protect from overvoltage faults caused by regenerative voltage
- 20% duty cycle
- Powered from DC bus
- Can be installed as retrofit or with initial installation
- Easily connects to drive DC bus terminals
- Dramatically shortens time required for motor shutdown
- Increase process uptime

Industry Applications



Assembly Lines | Centrifuges | Conveyors | Cranes | Dynamometers | Elevators | Hoists | Pick and Place | & More!



www.bonitron.com



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Additional Solutions



M3452 Heavy Duty Braking Transistor

- 230 - 690 VAC
- Up to 2300HP per unit
- Up to 100% duty cycle
- Master / Slave capability
- Extended I/O Options
 - EtherNet/IP™ or PROFIBUS DP™



Resistors

- 230 - 690 VAC
- Up to 2300HP per unit
- Up to 100% duty cycle
- Custom resistors available



Line Regens

- Single or 3-Phase Applications
- 208 - 600 VAC
- For applications above 20% duty and below 450A

Model Number Selection

	Peak HP	Model Number	Peak Current	Cont. Current	Min. Resistance	Dimensions (H x W x D)	UL and CUL Listing
115 - 120VAC 190 VDC Setpoint							
	2.5HP	M3675T-U10	10A	2A	19Ω	7.00" x 2.06" x 6.75"	
230 - 240VAC 375VDC Setpoint							
	5HP	M3675T-L10	10A	2A	38Ω	7.00" x 2.06" x 6.75"	
	8HP	M3575T-L15	15A	3.8A	25Ω	12.75" x 3.00" x 8.70"	UL and CUL
	15HP	M3575T-L30	30A	7.75A	12.5Ω	12.75" x 3.00" x 8.70"	UL and CUL
	30HP	M3575T-L60	60A	15A	6.25Ω	12.75" x 4.00" x 8.70"	UL and CUL
	63HP	M3575T-L125	125A	32A	3Ω	17.75" x 6.50" x 8.00"	
	75HP	M3575T-L150	150A	38A	2.5Ω	17.75" x 6.50" x 8.00"	
	100HP	M3575T-L200	200A	51A	1.9Ω	17.75" x 7.00" x 8.00"	
	150HP	M3575T-L300	300A	77A	1.3Ω	17.75" x 7.00" x 8.00"	
	300HP	M3575T-L600	600A	155A	0.7Ω	17.75" x 7.00" x 8.00"	
380 - 415VAC 620VDC Setpoint							
	7.5HP	M3675T-E10	10A	2A	62Ω	7.00" x 2.06" x 6.75"	
	12.5HP	M3575T-E15	15A	3.8A	41.25Ω	12.75" x 3.00" x 8.70"	
	25HP	M3575T-E30	30A	7.75A	20.5Ω	12.75" x 3.00" x 8.70"	
	63HP	M3575T-E75	75A	19A	8.25Ω	12.75" x 4.00" x 8.70"	
	100HP	M3575T-E125	125A	32A	5Ω	17.75" x 6.50" x 8.00"	
	125HP	M3575T-E150	120A	38A	4.1Ω	17.75" x 6.50" x 8.00"	
	165HP	M3575T-E200	200A	51A	3.1Ω	17.75" x 7.00" x 8.00"	
	240HP	M3575T-E300	300A	77A	2Ω	17.75" x 7.00" x 8.00"	
	530HP	M3575T-E600	600A	155A	1.1Ω	17.75" x 7.00" x 8.00"	
460 - 480VAC 750VDC Setpoint							
	10HP	M3675T-H10	10A	2A	75Ω	7.00" x 2.06" x 6.75"	
	15HP	M3575T-H15	15A	3.8A	50Ω	12.75" x 3.00" x 7.70"	UL and CUL
	30HP	M3575T-H30	30A	7.75A	25Ω	12.75" x 3.00" x 7.70"	UL and CUL
	75HP	M3575T-H75	75A	19A	10Ω	12.75" x 4.00" x 7.70"	UL and CUL
	125HP	M3575T-H125	125A	32A	6Ω	17.75" x 6.50" x 8.00"	
	150HP	M3575T-H150	150A	38A	5Ω	17.75" x 6.50" x 8.00"	
	200HP	M3575T-H200	200A	51A	3.75Ω	17.75" x 7.00" x 8.00"	
	300HP	M3575T-H300	300A	77A	2.5Ω	17.75" x 7.00" x 8.00"	
	600HP	M3575T-H600	600A	155A	1.25Ω	17.75" x 7.00" x 8.00"	

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