

Standard Duty Braking Transistors



Overvoltage Solutions



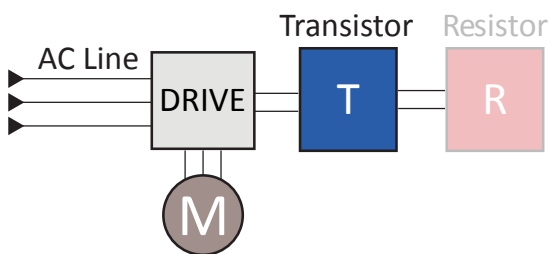
BONITRON

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.

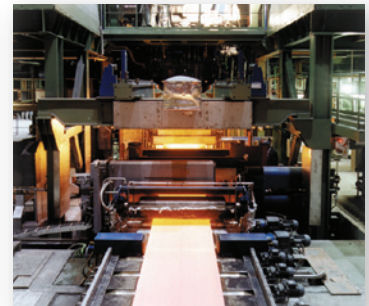
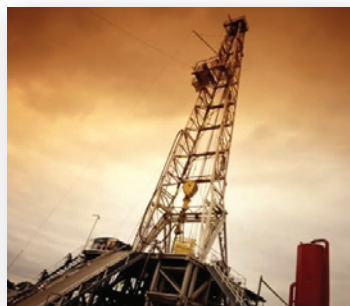
The M3575T and M3675T series are rated for 20% duty. For higher horsepower and duty cycles, see the Bonitron M3452 series, which is available with optional advanced diagnostics for remote monitoring, including extended I/O, EtherNet/IP™ and PROFIBUS DP™.



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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