



US DRIVES, INC.

P.O. Box 281

2221 Niagara Falls Boulevard

Niagara Falls, New York 14304-0281

Tel: (716) 731-1606 Fax: (716) 731-1524

Visit us at www.usdrivesinc.com

Also Available

AC Line Regen Modules to 1750 HP

US Drives has significantly expanded its family of AC Line Regen Modules. Regen Modules are now available to 1400 HP at 480 VAC and 1750 HP at 600 VAC. We have also increased the Horsepower rating of every Module by adding a short-term overload rating to our previously published data.

Our AC Line Regen Module turns any PWM AC Drive into a Line Regenerative AC Drive. Regenerative energy from the Motor and Drive is efficiently returned to the AC Power Line, eliminating the need for expensive, bulky, and inefficient braking resistors. This is especially true when continuous braking is required.

Typical applications that require regeneration include:

- High Inertia loads - Loads that must be stopped or slowed down quickly such as Flywheels, Saws, Fans, Reels, and Centrifuges.
- Unwind Stands of all types - Uncoilers, Payoffs
- Overhauling Loads - Hoists, Cranes, Downhill Conveyors, and Holdback Rolls in Process Line applications.
- Positioning applications
- Machines with fast cycle times that require rapid deceleration.

Our AC Line Regen Modules are compact in size. See the AC Line Regen Module Sizing Chart located on the reverse side of this letter for ratings and dimensions. Our AC Line Regen Modules are easy to install and use. No setup is ever required. Our AC Line Regen Modules are 99% Efficient and operate at near unity power factor.

For additional information contact:

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AC Line Regen Module Sizing

Input Voltage	Drive HP*	Continuous DC Amperes	Peak DC Amperes	RG Module Model Number	Approximate Weight & Dimensions
200-250 VAC (208/230/240)	15	30	45	RG-0200-0030-N1	15.3"x12.0"x9.7" (H x W x D) 35 Lbs.
	20	45	68	RG-0200-0045-N1	
	30	60	90	RG-0200-0060-N1	
	40	90	135	RG-0200-0090-N1	
	60	120	180	RG-0200-0120-N1	
	75	180	270	RG-0200-0180-N1	
	100	240	360	RG-0200-0240-N1	32.5"x20.1"x13.5" (H x W x D) 150 Lbs.
	125	300	450	RG-0200-0300-N1	
	150	360	540	RG-0200-0360-N1	
	200	480	720	RG-0200-0480-N1	
	250	540	810	RG-0200-0540-N1	44.2"x31.1"x16.8" (H x W x D) 450 Lbs.
	300	600	900	RG-0200-0600-N1	
	350	720	1080	RG-0200-0720-N1	
	400	840	1260	RG-0200-0840-N1	
450	960	1440	RG-0200-0960-N1		
500	1080	1620	RG-0200-1080-N1		
700	1440	2160	RG-0200-1440-N1		
380-500 VAC (380/400/415/480)	30	30	45	RG-0400-0030-N1	15.3"x12.0"x9.7" (H x W x D) 35 Lbs.
	40	45	68	RG-0400-0045-N1	
	60	60	90	RG-0400-0060-N1	
	75	90	135	RG-0400-0090-N1	
	100	120	180	RG-0400-0120-N1	
	150	180	270	RG-0400-0180-N1	
	200	240	360	RG-0400-0240-N1	32.5"x20.1"x13.5" (H x W x D) 150 Lbs.
	300	300	450	RG-0400-0300-N1	
	350	360	540	RG-0400-0360-N1	
	450	480	720	RG-0400-0480-N1	
	500	540	810	RG-0400-0540-N1	44.2"x31.1"x16.8" (H x W x D) 450 Lbs.
	600	600	900	RG-0400-0600-N1	
	700	720	1080	RG-0400-0720-N1	
	800	840	1260	RG-0400-0840-N1	
900	960	1440	RG-0400-0960-N1		
1000	1080	1620	RG-0400-1080-N1		
1400	1440	2160	RG-0400-1440-N1		
500-600 VAC (525/575/600)	30	30	45	RG-0500-0030-N1	15.3"x12.0"x9.7" (H x W x D) 35 Lbs.
	50	45	68	RG-0500-0045-N1	
	75	60	90	RG-0500-0060-N1	
	100	90	135	RG-0500-0090-N1	
	150	120	180	RG-0500-0120-N1	
	200	180	270	RG-0500-0180-N1	
	250	240	360	RG-0500-0240-N1	32.5"x20.1"x13.5" (H x W x D) 150 Lbs.
	350	300	450	RG-0500-0300-N1	
	400	360	540	RG-0500-0360-N1	
	500	480	720	RG-0500-0480-N1	
	600	540	810	RG-0500-0540-N1	44.2"x31.1"x16.8" (H x W x D) 450 Lbs.
	700	600	900	RG-0500-0600-N1	
	800	720	1080	RG-0500-0720-N1	
	900	840	1260	RG-0500-0840-N1	
1000	960	1440	RG-0500-0960-N1		
1300	1080	1620	RG-0500-1080-N1		
1750	1440	2160	RG-0500-1440-N1		

* Drive HP ratings are calculated for 230, 460, and 575 VAC Motors based on 100% Continuous Regeneration and 150% Regeneration for 1 Minute or less. Consult Factory for Module sizing when the Regeneration requirements are less than or greater than these values.