



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	Continuous Regen Kw	Peak Regen Kw	RG Module Model Number	Approximate Weight & Dimensions
200-250 VAC (208/230/240)	15	30	45	10.5	15.7	RG-0200-0030-N1	15.3" x 12.0" x 10.8" (H x W x D) 45 Lbs.
	20	45	67.5	15.7	23.6	RG-0200-0045-N1	
	30	60	90	21.0	31.5	RG-0200-0060-N1	
	40	90	135	31.5	47.2	RG-0200-0090-N1	
	60	120	180	42.0	63.0	RG-0200-0120-N1	
	75	180	270	63.0	94.5	RG-0200-0180-N1	32.5" x 20.1" x 13.5" 180 Lbs.
	100	240	360	84.0	126	RG-0200-0240-N1	
	150	360	540	126	189	RG-0200-0360-N1	
	200	480	720	168	252	RG-0200-0480-N1	
	250	600	900	210	315	RG-0200-0600-N1	
	350	720	1080	252	378	RG-0200-0720-N1	
	450	960	1440	336	504	RG-0200-0960-N1	
	500	1080	1620	378	567	RG-0200-1080-N1	
	700	1440	2160	504	756	RG-0200-1440-N1	
380-500 VAC (380/400/415/480)	30	30	45	21.0	31.5	RG-0400-0030-N1	15.3" x 12.0" x 10.8" (H x W x D) 45 Lbs.
	40	45	67.5	31.5	47.2	RG-0400-0045-N1	
	60	60	90	42.0	63.0	RG-0400-0060-N1	
	75	90	135	63.0	94.5	RG-0400-0090-N1	
	100	120	180	84.0	126	RG-0400-0120-N1	
	150	180	270	126	189	RG-0400-0180-N1	32.5" x 20.1" x 13.5" 180 Lbs.
	200	240	360	168	252	RG-0400-0240-N1	
	350	360	540	252	378	RG-0400-0360-N1	
	450	480	720	336	504	RG-0400-0480-N1	
	500	600	900	420	630	RG-0400-0600-N1	
	700	720	1080	504	756	RG-0400-0600-N2	
	900	960	1440	672	1008	RG-0400-0600-N3	
	1000	1080	1620	756	1134	RG-0400-0600-N4	
	1400	1440	2160	1008	1512	RG-0400-0600-N5	
500-600 VAC (525/575/600)	30	30	45	26.2	39.3	RG-0400-0600-N6	15.3" x 12.0" x 10.8" (H x W x D) 45 Lbs.
	50	45	67.5	39.3	59.0	RG-0400-0600-N7	
	75	60	90	52.5	78.7	RG-0400-0600-N8	
	100	90	135	78.7	118	RG-0400-0600-N9	
	125	120	180	105	158	RG-0400-0600-N10	
	200	180	270	158	236	RG-0400-0600-N11	32.5" x 20.1" x 13.5" 180 Lbs.
	250	240	360	210	315	RG-0400-0600-N12	
	400	360	540	315	473	RG-0400-0600-N13	
	500	480	720	420	630	RG-0400-0600-N14	
	700	600	900	525	788	RG-0400-0600-N15	
	800	720	1080	630	945	RG-0400-0600-N16	
	1000	960	1440	840	1260	RG-0400-0600-N17	
	1300	1080	1620	945	1418	RG-0400-0600-N18	
	1750	1440	2160	1260	1890	RG-0400-0600-N19	

* 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.