

SOLBRAKE



DC Injection Brake
fast, smooth, frictionless
stopping of
three-phase AC motors
Ratings: 10 - 390A, 230 - 690V

ON

accepted worldwide
www.solconusa.com





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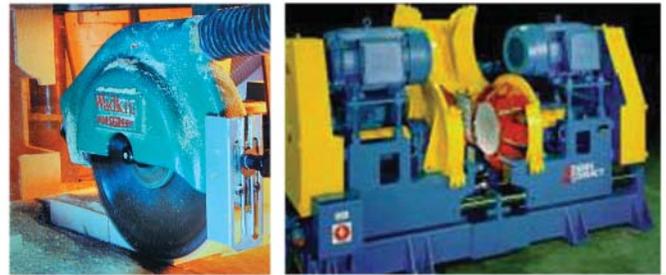
The Solbrake Electronic brake provides fast, smooth, frictionless braking of standard three phase AC motors by injecting controlled DC current into the motor windings after the line contactor has opened. This DC current induces a stationary magnetic field which exerts a braking torque on the rotor. The Solbrake is an ideal replacement for old electro-mechanical braking systems including reversing or regenerative braking.

Advanced Features

- Reduced stopping time:
 - Increases production rate in machine tools and high inertia loads
 - Increases safety of hazardous machines
- Soft, smooth stopping prevents wear and tear of mechanical parts
- Adjustable braking torque, matching load size and required stop time
- Auto stop eliminates excessive motor heating
- Maintenance free, highly reliable operation
- Easy installation

Applications

- Machine tools
- Circular saws
- Stopping high inertia loads
- Safety brakes
- Large flywheel applications



Standard Ratings

- The Solbrake should be selected according to the motor's nominal current and starting conditions. For severe duty applications it is recommended that you select the next higher amperage rated unit.

Settings

- Braking Torque - Determines the DC current level injected into the motor windings
- Two operation modes:
 - Auto Mode: DC Injection automatically ends when motor stops
 - Manual Mode: DC Injection ends after a pre-set braking time. This mode can be used to briefly "hold" the load at stand still.

How to Order:

Example:

Solbrake **31** - **230** - **0** - **S**

↓ Unit Max Current Rating
 ↓ Line Voltage
 230 = 230V
 480 = 480V
 600 = 600V
 ↘ Options
 0 = No Options
 8 = Harsh Environment Treatment

DC Brake Type	Max Amp Rating	Motor HP			Unit Dimensions (in inches) & Weights			
		230V	480V	600V*	H	W	D	lbs
Solbrake 10	10	3	5	7.5	3.0	3.6	4.2	1.5
Solbrake 17	17	5	10	10	7.5	2.6	4.5	3.0
Solbrake 31	31	10	20	20	7.5	2.6	4.5	3.0
Solbrake 58	58	20	40	40	7.5	2.6	4.5	3.0
Solbrake 105	105	40	75	75	11.0	6.1	6.7	11.5
Solbrake 210	210	75	150	150	11.0	6.1	6.7	12.5
Solbrake 310	310	100	200	200	15.0	8.8	8.8	26.5

*Contact factory for 690V or higher amperage rated units



T: +1 724.473.1301 | F: +1 724.473.9506 | E: sales@solconusa.com | W: www.solconusa.com

250 West Kensing Drive, #300
Cranberry Township, PA 16066 USA

10292012DS-SOLBRAKE