Type PEB
Power electronic brakes

Softstarters
Power electronic brakes
Type PEB

Description

Electronic braking stops the load by injecting a controlled amount of DC current into a three phase AC motor. The Power Electronic Brake (PEB) Series features full-wave DC braking which can be adjusted to stop your load quickly, repeatedly and reliably... even if load conditions change.

Unlike other brakes that only provide voltage control, the PEB Series is a current regulated brake. It automatically adjusts for resistance changes in the motor windings due to any input voltage fluctuations. What does this mean? Repeatable, reliable operation every time you stop your motor.

An exceptionally accurate method of micro-processor controlled sensing determines when the motor shaft has come to a stop. Braking current is removed when the motor stops, eliminating excess braking current which means longer motor life.

Built-in jogging circuitry allows you to select the time you need for machine setup and positioning without applying DC current to the motor windings. DC current is only applied when system setup is complete... no excess current, no excess heating, no premature motor failure.

The PEB Series has a built-in feature to control a mechanical holding brake. Any fault indication automatically enables the mechanical brake for fail-safe operation.

The PEB Series has been designed and tested to meet the most stringent industry standards: UL & cUL.

UL File # E169883

Power electronic brakes
Open

PEB-100-48 PEB-10-48

Max amps ①	208V Horsepower Std. duty	208V Horsepower Hvy. duty	208V Catalog number	240V Horsepower Std. duty	240V Horsepower Hvy. duty	240V Catalog number	480V Horsepower Std. duty	480V Horsepower Hvy. duty	480V Catalog number	600V Horsepower Std. duty	600V Horsepower Hvy. duty	600V Catalog number	List price
10	3	1	PEB-010-24	3	1	PEB-010-24	7.5	3	PEB-010-48	10	5	PEB-010-60	**$ 755**
24	7.5	3	PEB-024-24	10	5	PEB-024-24	20	10	PEB-024-48	25	15	PEB-024-60	**1070**
50	15	7.5	PEB-050-24	20	10	PEB-050-24	40	25	PEB-050-48	50	30	PEB-050-60	**1450**
100	30	20	PEB-100-24	40	15	PEB-100-24	75	50	PEB-100-48	100	60	PEB-100-60	**2250**
200	75	40	PEB-200-24	75	50	PEB-200-24	150	100	PEB-200-48	200	125	PEB-200-60	**3900**
300	100	60	PEB-300-24	125	75	PEB-300-24	250	150	PEB-300-48	300	200	PEB-300-60	**4300**
400	150	75	PEB-400-24	150	100	PEB-400-24	350	200	PEB-400-48	400	250	PEB-400-60	**6500**
550	250	125	PEB-550-24	200	150	PEB-550-24	500	300	PEB-550-48	600	350	PEB-550-60	**8700**
800	350	200	PEB-800-24	350	200	PEB-800-24	700	450	PEB-800-48	900	500	PEB-800-60	**10,250**
1000	400	250	PEB-1000-24	400	300	PEB-1000-24	900	500	PEB-1000-48	1000	600	PEB-1000-60	**13,000**

NOTE: If duty cycle is not known, it is recommended to use the heavy duty brake since braking current can be adjusted down to meet actual load requirements.

① Never exceed the motor FLA without checking the motor manufacturers data with regards to application duty cycle.

Power electronic brakes
Enclosed, NEMA 1

Maximum Amps FLA	Maximum motor HP ratings 208V Standard Duty	208V Heavy Duty	240V Standard Duty	240V Heavy Duty	480V Standard Duty	480V Heavy Duty	600V Standard Duty	600V Heavy Duty	NEMA 1, 480V Catalog number	NEMA 1, 600V Catalog number	List price
10	3	1	3	1	7.5	3	10	5	PEB-010-48-1	PEB-010-60-1	**$ 805**
24	7.5	3	10	5	20	10	25	15	PEB-024-48-1	PEB-024-60-1	**1120**
50	15	7.5	20	10	40	25	50	30	PEB-050-48-1	PEB-050-60-1	**1650**
100	30	20	40	15	75	50	100	60	PEB-100-48-1	PEB-100-60-1	**2450**
200	75	40	75	50	150	100	200	125	PEB-200-48-1	PEB-200-60-1	**4320**
300	100	60	125	75	250	150	300	200	PEB-300-48-1	PEB-300-60-1	**4800**
400	150	75	150	100	350	200	400	250	PEB-400-48-1	PEB-400-60-1	**7000**
550	250	125	200	150	500	300	600	350	PEB-550-48-1	PEB-550-60-1	**9200**
800	350	200	350	200	700	450	900	500	PEB-800-48-1	PEB-800-60-1	**10,750**
1000	400	250	400	300	900	500	1000	600	PEB-1000-48-1	PEB-1000-60-1	**13,500**

NOTE: See below for additional enclosure styles and price adders.

Options ①

Model number	NEMA 12	NEMA 3R	NEMA 4	NEMA 4X
PEB-010	**$ 100**	**$ 100**	**$ 150**	**$ 450**
PEB-024	**100**	**100**	**150**	**450**
PEB-050	**100**	**100**	**150**	**450**
PEB-100	**100**	**100**	**150**	**450**
PEB-200	**150**	**150**	**200**	**600**
PEB-300	**300**	**300**	**350**	**1050**
PEB-400	**300**	**300**	**350**	**1050**
PEB-550	**300**	**300**	**350**	**1050**
PEB-800	**300**	**300**	**350**	**1050**
PEB-1000	**300**	**300**	**350**	**1050**

① Add to list price of NEMA 1 enclosed products and change part number appropriately.