

Multipurpose Dynamic Brake

Amp Size	Max Hp at VAC			Catalog Number	List Price	Mult. Sym.
	208	230	460			
Open/Panel						
16	3	5	10	BQ7-016-CP	1,300	E7
30	10	10	25	BQ7-030-CP	1,380	E7
55	15	20	40	BQ7-055-CP	1,820	E7
80	25	30	60	BQ7-080-CP	2,727	E7
135	40	50	100	BQ7-135-CP	4,364	E7
160	50	60	125	BQ7-160-CP	5,120	E7
250	75	100	200	BQ7-250-CP	6,209	E7
420	125	150	350	BQ7-420-CP	8,708	E7
600	200	200	500	BQ7-600-CP	17,717	E7
NEMA 12						
16	3	5	10	BQ7-016-CC	1,465	E7
30	10	10	25	BQ7-030-CC	1,546	E7
55	15	20	40	BQ7-055-CC	1,985	E7
80	25	30	60	BQ7-080-CC	2,894	E7
135	40	50	100	BQ7-135-CC	4,724	E7
160	50	60	125	BQ7-160-CC	5,483	E7
250	75	100	200	BQ7-250-CC	6,573	E7
420	125	150	350	BQ7-420-CC	10,676	E7
600	200	200	500	BQ7-600-CC	19,684	E7

Application Notes

- Stopping Time** The Baldor Dynamic Brake can stop the motor faster than the motor will start (at full volts). However, this could damage the motor. It is best that the motor should not stop any faster than the motor starts. A dynamic brake should never be set to stop a load faster than the load starts. Stopping the motor too fast or too frequently can cause motor overheating and possible failure.
- Motor Sizing** Each stop with a dynamic brake should be treated as a start for calculating duty cycle and for sizing the motor. The brake does not have a duty cycle limit.
- Holding Brake** A solid state brake is not a substitute for a mechanical holding brake.
- Motor Types** The Multipurpose Brake has been designed to operate on 3-phase induction motors.
- Brake Sizing** Use the motor FLA and operating voltage to size the brake. All Baldor Multipurpose Brakes can be used on high inertia loads. Extended stopping times are available for use on high inertia loads.

WARNING: A DC injection brake is not a replacement for a mechanical or safety brake for emergency stopping

Single Phase Electronic Motor Brake



Applications: Efficient alternative to mechanical brakes, suitable for woodworking machinery, machine tools, bench grinders and buffers. Ideal for OEM equipment or for retrofitting into an existing application.

Features: Automatic braking for single-phase motors. User adjustable torque and brake time. Prevents restarts after power has been removed for 7 seconds. Accommodates frequent start/stop applications. Available in panel mount for system integration or with line cord, plug and receptacle in a NEMA 1 enclosure for easy installation.

Catalog Number	Horsepower	Amps	Voltage	List Price	Mult. Sym.	Notes (a)
Panel Mount						
BQ1-015-CP	1	15	110-125	691	E7	33
BQ2-015-CP	2	15	208-230	691	E7	33
NEMA 1						
BQ1-015-CC	1	15	110-125	892	E7	33
BQ2-015-CC	2	15	208-230	892	E7	33

SUFFIX: CP = 6"x5"x3" module without cord, receptacle, switch or enclosure.
 CC = 8"x8"x4.5" NEMA 1 enclosure with 9ft. cord, receptacle and switch.

(a) See notes on inside back flap.

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Starters & Dynamic Brakes