KBPB SCR Drive "Relay Reversing" – Chassis

The KBPB Series of DC Drives consist of two models rated for 1/100 to 3 horsepower motors. These chassis drives are a compact version of the KBCC "R"-suffix control. The APRM® is mounted directly to the rear of the KBMM speed control. Built-in terminal blocks and its small size make the control ideal for installation where space is at a premium. The KBPB is equipped with a built-in dynamic brake resistor, ACCEL and DECEL trimpots, and includes a 5k ohm potentiometer This control provides functions identical to that of the KBCC-R. This drive requires a Plug-in Horsepower Resistor® to operate and includes an AC line fuse and an Armature fuse holder.* This drive also contains Auto Inhibit® which provides a smooth, safe start during rapid switching of the AC line.

Option: Auxiliary Heat Sink (P/N 9861).

**Plug-In Horsepower Resistor® and Armature fuse supplied separately. See page 12.*

Maximum HP		AC Line Voltage (50/60 Hz)	Model Number	Part No.	Max. AC Line Current (Amps AC)	Voltage Range (Volts DC)	Max. Load Current (Amps DC)	Net Weight		Dim. Ref. Code[1]
HP	kW							Lbs.	kg	
3/4	0.56	115	KBPB-125	8900	12	0 – 90	8	1.38	0.63	G
1½	1.13	208/230	KBPB-225	8901	12	0 – 180	8			
Ratings with Auxiliary Heat Sink (P/N 9861)										
1½	1.13	115	KBPB-125	8900	24	0 – 90	16	3.31	1.50	H
3	2.25	208/230	KBPB-225	8901	24	0 – 180	16			

KBMG SCR Drive "Regen Reversing" – Chassis

The KBMG Series of DC Drives consist of two models rated for 1/100 to 2 horsepower motors. This chassis ultra-compact, full-wave regenerative drive is capable of operating DC PM or Shunt motors in a bidirectional mode. Its 4-quadrant operation provides forward and reverse torque in both speed directions. Jumper selections include: Input AC Line Voltage, Armature Current, Motor Armature Voltage, Analog Input Voltage, Control Mode (Speed or Torque) and Coast to Stop (CTS) or Regenerate to Stop (RTS). The Overspeed Protect Circuit prevents failure of the power bridge in extreme overhauling conditions. Reliability of the KBMG is further enhanced with the use of a high speed current limit circuit and MOV Transient Protection. LEDs, which can be used for diagnostics, are provided for power on and motor overload. Power connections are made via quick connect terminals and signal input connections are made via a removable terminal block. This drive also contains Auto Inhibit® which provides a smooth, safe start during rapid switching of the AC line.

Options: Auxiliary Heat Sink (P/N 9861), Bipolar Signal Isolator (P/N 8832), Multi-Speed Board (P/N 8833).

Maximum HP		AC Line Voltage (50/60 Hz)	Model Number	Part No.	Max. AC Line Current (Amps AC)	Voltage Range (Volts DC)	Max. Load Current (Amps DC)	Net Weight		Dim. Ref. Code[1]
HP	kW							Lbs.	kg	
1/12	0.06	115	KBMG-21D	8830	1.5	0 – 90	1	0.98	0.44	I
1/6	0.11	208/230				0 – 90, 180				
3/4	0.56	115	KBMG-212D	8831	12	0 – 90	8			
1½	1.13	208/230				0 – 90, 180				
Ratings with Auxiliary Heat Sink (P/N 9861)										
1	0.75	115	KBMG-212D	8831	16	0 – 90	11	2.92	1.33	J
2	1.5	208/230				0 – 90, 180				

1. See Page 8.