

## KBIC SCR Drive – Chassis



The KBIC Series of DC Drives consist of six models rated for 1/100 to 3 horsepower motors. All models can be used on a wide range of motor horsepower by inserting a Plug-In Horsepower Resistor<sup>®</sup>\*, which is required to operate the drive. Speed range is 50:1 with load regulation of 1%. These chassis drives include MOV transient protection, trimpot adjustments for MIN, MAX, ACCEL, IR, CL, and a 5k ohm potentiometer. This drive also contains Auto Inhibit<sup>®</sup> which provides a smooth, safe start during rapid switching of the AC line.

**Options:** Auxiliary Heat Sink (P/N 9861), Barrier Terminal Kit (P/N 9863) Barrier Terminal Board (P/N 9884), SI-5 Signal Isolator (P/N 9443), Combination Fuse kit (P/N 9849). AC line and Armature fuse supplied separately.

\*Plug-In Horsepower Resistor<sup>®</sup> 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 <sup>1</sup>
HP	kW							Lbs.	kg	
1/2	0.37	115	KBIC-120	9429	9	0 – 90	6	0.58	0.26	A
3/4	0.56	115	KBIC-125	9433	12	0 – 90	8			
1	0.75	208/230	KBIC-240	9428	9	0 – 180	6			
1½	1.13	208/230	KBIC-225	9432	12	0 – 180	8			
1/2	0.37	115	KBIC-240D	9464	9	0 – 90	6			
1	0.75	208/230				0 – 90, 180				
1/2	0.37	115	KBIC-240DS	9423	9	0 – 90	6			
		208/230								
Ratings with Auxiliary Heat Sink (P/N 9861)										
1	0.75	115	KBIC-120	9429	18	0 – 90	12	2.5	1.14	B
1½	1.13	115	KBIC-125	9433	24	0 – 90	16			
2	1.5	208/230	KBIC-240	9428	18	0 – 180	12			
3	2.25	208/230	KBIC-225	9432	24	0 – 180	16			
1	0.75	115	KBIC-240D	9464	18	0 – 90	12			
2	1.5	208/230				0 – 90, 180				
1	0.75	115	KBIC-240DS	9423	18	0 – 90	12			
		208/230								

## KBMM SCR Drive – Chassis



The KBMM Series of DC Drives consist of three models rated for 1/100 to 3 horsepower motors. This chassis full-wave DC motor control is the ultimate in reliability and performance. The drive contains Direct-Fed<sup>™</sup> CL that helps protect the SCR power bridge against direct shorts and prevents demagnetization of PM motors. 25 Amp SCRs and AC line and armature fusing\* further enhance reliability. A Plug-In Horsepower Resistor<sup>®</sup>\* is required to operate the drive and eliminates the need for recalibration when used over a wide range of motor horsepower. Features include an AC line fuse holder and an Armature fuse holder, MOV transient protection, trimpot adjustments for MIN, MAX, ACCEL, DECEL, IR, CL, and a 5k ohm potentiometer. This drive also contains Auto Inhibit<sup>®</sup> which provides a smooth, safe start during rapid switching of the AC line.

**Options:** Auxiliary Heat Sink (P/N 9861), Barrier Terminal Kit (P/N 9883), Barrier Terminal Board (P/N 9897), Finger Safe Cover (P/N 9564), and SI-6 Signal Isolator (P/N 9444).

\*Plug-In Horsepower Resistor<sup>®</sup>, AC line fuse 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 <sup>1</sup>
HP	kW							Lbs.	kg	
3/4	0.56	115	KBMM-125	9449	12	0 – 90	8	0.58	0.26	A
1½	1.13	208/230	KBMM-225	9450	12	0 – 180	8			
3/4	0.56	115	KBMM-225D	9451	12	0 – 90	8			
1½	1.13	208/230				0 – 90, 180				
Ratings with Auxiliary Heat Sink (P/N 9861)										
1½	1.13	115	KBMM-125	9449	24	0 – 90	16	2.5	1.14	B
3	2.25	208/230	KBMM-225	9450	24	0 – 180	16			
1½	1.13	115	KBMM-225D	9451	24	0 – 90	16			
3	2.25	208/230				0 – 90, 180				

1. See Page 8.