

KBBC DC/DC Drive – Chassis



The KBBC series of battery powered variable speed controls are designed for PM and Series Wound DC motors from 1/100 to 4* horsepower. The chassis and Microcontroller design provides superior performance and ease of tailoring to specific applications. Operating in a regenerative mode, precise and efficient control is obtained using state-of-the-art MOSFET technology. The KBBC contains standard features such as current limit, short circuit protection, speed potentiometer fault detector, over-temperature sensing, reverse polarity protection and undervoltage/overvoltage protection. The KBBC can be controlled in several ways, such as single-ended or wigwag speed potentiometer and 0 - 5 Volts DC signal following. The controls contain a built-in heat sink that also serves as a mounting base.

Maximum HP		Nominal Battery Voltage (Volts DC)	Model Number	Part No.	Max. DC Input Current (Amps DC)	Voltage Range (Volts DC)	Max. Load Current (Amps DC)	Net Weight		Dim. Ref. Code
HP	kW							Lbs.	kg	
1/2	0.37	12	KBBC-24M	9500	40	0 – 12	40	1	0.45	X
1	0.75	24				0 – 24				
1/2	0.37	12	KBBC-44M	9501	40	0 – 12	40	1	0.45	X
1	0.75	24				0 – 24				
1½	1.13	36				0 – 36				
2	1.5	48				0 – 48				

*Peak Duty Operation (7 seconds): 4 HP (3 kW), 80 Amps DC.

KBSL DC/DC Drive – Chassis



The KBSL-200 is specifically designed for OEM lift applications. The Pulse Width Modulated (PWM) DC Drive provides forward and reverse operation for 3/4 to 1* horsepower Permanent Magnet and Series Wound DC motors. The drive provides continuous duty operation to 22 Amps and peak duty operation (for 7 seconds) to 33 Amps with a 24 Volt DC input. The 16 kHz PWM allows for high motor efficiency and quiet operation.

Standard features include an audible annunciator to provide indication of drive and remote control operations; a power control relay to automatically connect and disconnect power from the battery to the drive; and quick-connect terminals, connectors, and removable terminal blocks to facilitate wiring. Selectable jumpers are provided for Preset Speeds, Start-Up Delay Time, Remote Control ID, and optional Brake Enable.

Options: Ten built-in programmable functions and user defined logic inputs for applications requiring PLC, limit switches, latching circuits, key switch, emergency stop, sensors, actuators, etc. Infrared remote control provides operation of the drive from up to 50 feet (15.25 m).

Maximum HP		Nominal Battery Voltage (Volts DC)	Model Number	Part No.	Max. DC Input Current (Amps DC)	Voltage Range (Volts DC)	Max. Load Current (Amps DC)	Net Weight		Dim. Ref. Code
HP	kW							Lbs.	kg	
3/4	0.56	24	KBSL-200	9902	22	0 – 24	22	1.14	0.52	Y

*Peak Duty Operation (7 seconds): 1 HP (3 kW), 33 Amps DC.

Dimensions (W x L x D)

Ref. Code	Inches	Millimeters
A	4.3 x 3.63 x 1.25	109 x 92 x 32
B	6.25 x 7 x 2.63	159 x 178 x 67
C	6.25 x 7 x 4	159 x 178 x 102
D	6.25 x 10 x 3.5	159 x 254 x 89
E	6.25 x 9 x 4	159 x 229 x 102
F	6.25 x 7 x 3	159 x 178 x 76
G	4.88 x 4.25 x 5	124 x 108 x 127
H	6.25 x 7 x 6.5	159 x 178 x 165
I	4.3 x 3.63 x 1.75	109 x 92 x 45

Ref. Code	Inches	Millimeters
J	6.25 x 7 x 3.13	159 x 178 x 79
K	4.75 x 7 x 1.7	120 x 178 x 43
L	7.7 x 10 x 2.57	196 x 254 x 65
M	7.7 x 10 x 3.4	196 x 254 x 87
N	7.7 x 12 x 3.4	196 x 305 x 87
O	4.3 x 3.63 x 2.5	109 x 92 x 64
P	4.3 x 3.63 x 2.2	109 x 92 x 56
Q	4.3 x 3.63 x 3.17	109 x 92 x 81
R	7 x 5 x 2	178 x 127 x 51

Ref. Code	Inches	Millimeters
S	6.75 x 7 x 3.25	172 x 178 x 83
T	3.7 x 6.8 x 2.9	94 x 173 x 74
U	5.1 x 7 x 4	129 x 178 x 102
V	6.25 x 7 x 5.35	159 x 178 x 136
W	6 x 9.5 x 5	150 x 241 x 127
X	4.1 x 6.26 x 1.67	104 x 159 x 43
Y	6 x 4.45 x 2.25	152 x 113 x 57