

**Type ABL | Low Voltage PWM BLDC Speed and Direction Control (Chassis, IP-00)**

Models 3904, 3905 and 3907



- Ideal for portable, battery operated applications
- On-board speed potentiometer for manual adjustment
- Accepts 0-5 VDC analog signal for remote operation
- Unique Smart Reverse™ circuit provides quick reversing and prevents motor plugging
- Dynamic braking for quicker stops
- 12 pulse/revolution tach output provides indication of motor speed
- Models 3904, 3905 and 3907: Logic output indicates control shutdown due to a motor overload
- Speed can be adjusted manually or by remote control over a range of 30:1
- 10k Ohm remote speed pot supplied with each control
- Inherent closed loop system maintains a 2% maximum change in motor speed from 0-100% of rated load when operated at rated speed
- cURus, RoHS



Models 3908 and 3909

HP Rating	Input V (VDC)	Motor Rating (VDC)	Continuous Output Current (Amps)	Peak Output Current (Amps)	FF	Product Type	Model Number
<b>Chassis Low Voltage PWM BLDC (24 V Models)</b>							
1/6	24-35	24	10	13.5	1.0	ABL-3905C	3905
3/8			20	30		ABL-3907C	3907
<b>Chassis Low Voltage PWM BLDC (12 V Model)</b>							
Contact Factory	12-14	12	20	30	1.0	ABL-3907C	3904
<b>Compact Chassis Low Voltage PWM BLDC (12 and 24 V Models)</b>							
1/4	12-14	12	20	30	1.0	ABL-3906C	3908
3/8	24-35	24	18	27			3909

**Type ABL | Filtered SCR BLDC Speed and Direction Control (Chassis, IP-00)**



- Unique Smart Reverse™ circuit for remote control of motor direction
- Dynamic braking for quicker stops
- 12 pulse/revolution tach output
- Green LED indicates AC power on
- Red LED indicates control shutdown due to a fault condition
- Speed can be adjusted manually
- 10k Ohm remote speed pot supplied with each control
- DIP switches set the current limit
- Five onboard user-adjustable pots for torque limit, minimum speed limit, maximum speed limit, acceleration time, and deceleration time
- Fuse holders for line and motor fuses (fuses included)
- Inherent closed loop system maintains a 1% maximum change in motor speed from 0-100% of rated load when operated at rated speed
- UR, CSA, RoHS

HP Rating (@ rpm)	Input V (VAC, 50/60 Hz)	Motor Rating (VDC)	Continuous Output Current (Amps)	Peak Output Current (Amps)	FF	Product Type	Model Number
3/8@2500	115	130	3	6	1.0	ABL-3911C	3911
1/3@10,000						ABL-3921C	3921

**Type ABL | Filtered SCR BLDC Speed/Direction Control (NEMA-12 Enclosure)**



- Unique Smart Reverse™ circuit allows remote control of motor direction
- Dynamic braking for quicker stops
- 12 pulse/revolution tach output provides indication of motor speed
- Internal: Red LED indicates control shutdown due to a fault condition
- Speed can be adjusted manually
- DIP switches set the current limit
- Inherent closed loop system maintains a 1% maximum change in motor speed from 0-100% of rated load when operated at rated speed
- Fuse holders for line and motor fuses (fuses included)
- UR, CSA, RoHS

HP Rating (@ rpm)	Input V (VAC, 50/60 Hz)	Motor Rating (VDC)	Continuous Output Current (Amps)	Peak Output Current (Amps)	FF	Product Type	Model Number
3/8@2500	115	130*	3	6	1.0	ABL-3912E	3912
1/3@10,000						ABL-3913E	N3913

\* for brushless motors and controls

**Type ABL | Unfiltered SCR BLDC Speed and Direction Control (Chassis, IP-00)**



- Lower cost alternative to model 3911
- Unique Smart Reverse™ circuit
- 12 pulse/revolution tach output
- Green LED indicates AC power on
- Red LED indicates control shutdown due to a fault condition
- Speed can be adjusted manually
- 10k Ohm speed pot supplied with each control
- DIP switches set the current limit so that the same control model can drive any size Bodine motor
- Inherent closed loop system maintains a 1% maximum change in motor speed from 0-100% of rated load when operated at rated speed
- UR, CSA, RoHS

HP Rating	Input V (VAC, 50/60 Hz)	Motor Rating (VDC)	Continuous Output Current (Amps)	Peak Output Current (Amps)	FF	Product Type	Model Number
3/8	115	90	3	6	1.6	ABL-3910C	3910

"N" model numbers require lead time and minimum quantities.