

Consistent Pulling with In-Line Flexibility

Conair BP Series belted pullers with a consistent pulling force offer a wide range of belt speeds and contact lengths for maximum flexibility.

BP pullers are designed to handle tubing, flexible products, as well as rigid extrusions. Contact lengths up to 50 inches {1270 mm} minimize the chance for product distortion or slippage, especially with thin-wall profiles.

Every BP puller offers an easy-to-use operator interface, maximum quantity pull torque, low maintenance requirements and flexible operation.



Model BP 6-50

Accurate, Reliable Pulling for Tubing and Profiles

They are called haul-offs, pullers, take-offs or tractor capstans. What you call them is not important. Your choice of one is.

Pullers, in combination with the extruder output, is what will maintain the dimensions of your product and the stability of your production.

BP Series traction assemblies are individually driven to supply the required power for accurate, consistent and dependable pulling force.

Available in belt widths range from 6 to 12 inches {152 to 305 mm}. And contact lengths up to 50 inches {1270 mm}.

▶ **Accurate pulling speed**

The AC open loop drive provides a wide range of precisely controlled belt speeds, with longer motor life than the DC drives.

▶ **Smooth, stepless operation**

Traction belts are tandem driven for synchronous travel. Grooved aluminum sheaves offer straight, non-slip traction. Non-marking, poly-v grooved belts are standard.

▶ **Easy to operate**

Controls are front-mounted and angled up toward the operator for ease of use. The height of traction belts can be adjusted individually.

▶ **Heavy duty; low maintenance**

The BP Series is caster-mounted puller and has locking leveling screws for line stability. Fan-cooled motors are totally enclosed. Construction is welded, heavy-duty steel. All material parts are painted, plated or made to resist corrosion.

▶ **Optional servo drive**

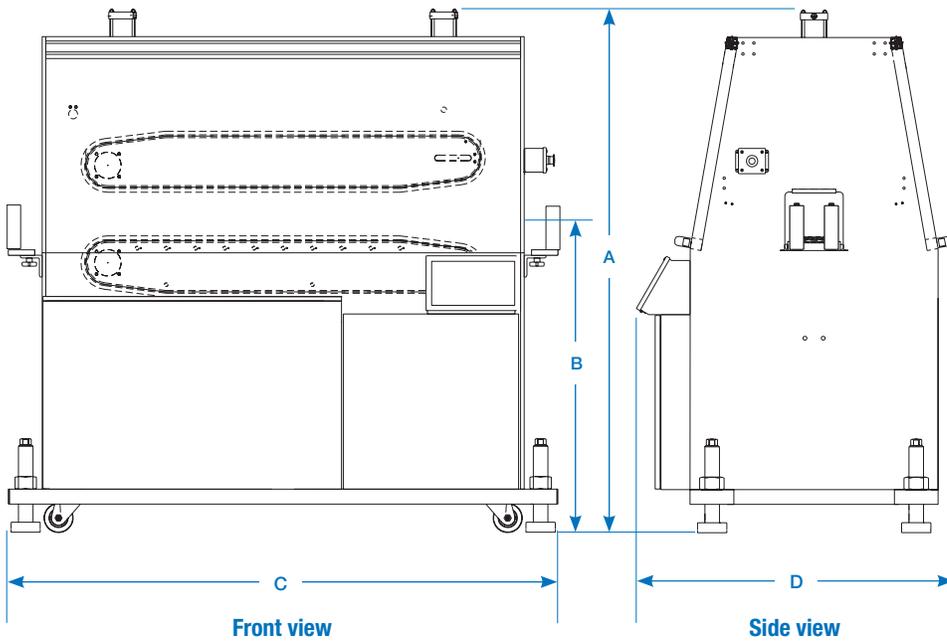
The optional servo drive adds to the guaranteed reliability and speed regulation.

▶ **Options to meet your needs**

- Hand-held remote with 100 feet of cable
- Left-to-right extrusion operation
- Custom paint
- UL certification
- Optional voltages
 - 230V/3 phase/60 Hz power supply
 - 575V/3 phase/60 Hz power supply
 - 400V/3 phase/50 Hz power supply
- CE certification



Specifications



Control

The screenshot shows a control panel with various icons and readouts. It includes a 'Speed' display with 'Setpoint' and 'Actual' values, a 'Batch counter', and a 'Length counter'. The interface is labeled 'BP BELT PULLER' and features the Conair logo.

The BP Puller features a full-color touchscreen control. With graphic icons, intuitive operation is simple! Switch operation modes, make adjustments, save recipes, and create unique user privileges all from a touchscreen control that allows for easy communication to other devices. All Conair controls are designed with the same style icon/button operation, making learning a new piece of equipment easy and comfortable.

Models	BP 6-50	BP 8-50	BP 12-50
Performance characteristics			
Belt width inches {mm}	6 {152}	8 {203}	12 {304}
Belt contact length inches {mm}	50 {1270}		
Maximum feed opening inches {mm}	6 {152}	8 {203}	12 {304}
Drive motor	2 Hp		3 Hp
Drive types available	Open loop vector; Servo		
Belt type	Poly-V belt with 1/2 inch 40A duro pure gum rubber (60A duro red EPDM belts are optional)		
Belt speeds			
Drive type	Fixed Reducer (Dual speed transmission available as an option)		
Available speed ranges feet/min.	Consult Conair for pull forces and speed ranges		
Dimensions inches {mm}			
A - Height	76 {1930}		
B - Height to centerline	42.5 {1080}		
C - Overall length	66 {1676}		54 {1372}
D - Overall width	32 {813}		37 {940}
Weight lb {kg}			
Installed	1910 {866}	1810 {821}	1710 {776}
Shipping	2210 {1002}	2110 {957}	2010 {912}
Voltage Full load amps * †			
230V/1 phase/60 Hz	Consult Conair		
460V/1 phase/60 Hz	Consult Conair		
575V/1 phase/60 Hz	Consult Conair		

Specification Notes

* 3-phase power available on AC inverter, flux vector and servo equipped models.

† FLA data for reference purposes only. Does not include any options or accessories on equipment. For full FLA detail for power circuit design of specific machines and systems, refer to the electrical diagrams the equipment order and the nameplate applied to the machine.

Specifications may change without notice. Consult with a Conair representative for the most current information.

