



MACHINE DATA SHEET

Customer Service #: (570) 546-9663 • To Order Call: (800) 523-4777 • Fax #: (800) 438-5901

MODEL G0703P POLAR BEAR SERIES 1-1/2 HP CYCLONE DUST COLLECTOR

Product Dimensions:

Weight	177 lbs.
Length/Width/Height	38 ¹ / ₄ " x 23 ¹ / ₄ " x 68"
Foot Print (Length/Width).....	38 ¹ / ₄ " x 23 ¹ / ₂ "

Shipping Dimensions:

Type	Cardboard
Content.....	Machine
Weight.....	210 lbs.
Length/Width/Height.....	37" x 27" x 47"

Electrical:

Power Source	110V or 220V Single-Phase
Switch.....	Relay Switch with Circuit Breaker
Switch Voltage	110V
Cord Length	10 ¹ / ₂ ft.
Cord Gauge	12 gauge
Recommended Circuit Size at 110V (w/o 5" Port).....	30 Amp
Recommended Circuit Size at 110V (w/5" Port).....	20 Amp
Recommended Circuit Size at 220V.....	15 Amp
Plug Included	No
Recommended Plug Type @ 110V (w/o 5" Port).....	NEMA L5-30
Recommended Plug Type @ 110V (w/ 5" Port).....	NEMA 5-20
Recommended Plug Type @ 220V	NEMA 6-15

Motor:

Type	TEFC Class "F"
Horsepower.....	1 ¹ / ₂ HP
Voltage	110V/220V
Prewired.....	110V
Phase/Cycle.....	Single/60 Hz
Amps (w/6" Inlet).....	18.8A at 110V, 9.4A at 220V
Amps (w/5" Inlet Installed)	15.8A at 110V, 7.9A at 220V
220V Speed	3450 RPM
Number Of Speeds	1
Power Transfer	Direct Drive
Bearings.....	Shielded and Permanently Sealed

Main Specifications:

Operation

Air Suction Capacity (30A, w/o 5" Port)	775 CFM
Static Pressure at Maximum Air Suction Capacity (30A, 110V Circuit w/o 5" Port)	1.80"
Maximum Static Pressure (30A, 110V Circuit w/o 5" Port)	10"
Air Suction Capacity (20A, 110V Circuit w/5" Port).....	695 CFM
Static Pressure at Maximum Air Suction Capacity (20A, 110V Circuit w/5" Port)	2.90"
Maximum Static Pressure (20A, 110V Circuit w/5" Port)	9.8"
Intake Hole Size6" (or 5" with Included Reducer)
Material Collection Capacity	30 Gallons
Canister Filtration	0.2–2 Micron

Bag Information

Number of Lower Bags	1
Lower Bag Capacity	2.66 cu. ft.
Lower Bag Diameter.....	15 ³ / ₄ "
Lower Bag Length	23 ⁵ / ₈ "

Canister Information

Number of Canister Filters	1
Canister Filter Diameter	15 ³ / ₄ "
Canister Filter Height.....	21"
Filter Surface Area	48 sq. ft.

Impeller Information

Impeller Type.....	Radial Fin
Impeller Size.....	13 ¹ / ₂ "
Impeller Blade Thickness	0.091"

Construction

Lower Bag	Clear Plastic
Canister	Spun Bond Polyester
Base	Steel
Frame	Steel
Impeller.....	Steel, Riveted
Impeller Housing	19 Gauge Steel
Body	18 Gauge Steel
Collection Drum.....	Steel

Other Specifications:

ISO Factory	Yes
Country Of Origin	Taiwan
Warranty.....	1 Year
Serial Number Location	Machine ID Label on Impeller Housing
Assembly Time	1 Hour
Sound Rating	83 dB

Features:

- White, powder-coated finish
- Steel collection drum with casters for easy dust disposal
- Powerful Class "F" motor for continuous duty
- Dual pleated filter with cleaning brushes to maximize air flow and steel cage for protection
- 256-code remote control receiver
- IR hand-held controller can turn dust collector on up to 75 feet away