

Cyclone™ Random Orbital Sander



HIGH PERFORMANCE FINISHING

5" & 6" Diameter Random Orbital Sanders

IR **Cyclone Select** offers one-piece precision molded composite housing with various-sized grip rings, color-keyed to indicate operator hand size. Available in non-vac, central vac and VenturiVac System; *.20 hp, 15.8 scfm at 12,000 free-speed rpm.* Available in both 3/16" and 3/32" orbits.

5 & 6" Non-Vac

R025B-PSV-1 & R026B-PSV-1 R025B-PSV-2 & R026B-PSV-2

- 3/16" dia. orbit (PSV-1); 3/32" dia. orbit (PSV-2)
- Non-vacuum model can be converted to vac
- Short shroud for maximum workpiece visibility
- Ships with 49878-1 / 49879-1 low profile 3/8" premium pad
- **Weight:** 1.83lb. / 0.83 kg. (5")
1.92 lb. / 0.87 kg. (6")



5 & 6" Central Vac

R025B-CLV-1 & R026B-CLV-1 R025B-CLV-2 & R026B-CLV-2

- 3/16" dia. orbit (CLV-1); 3/32" dia. orbit (CLV-2)
- Central vacuum minimizes particulates and dust in work area
- Long shroud for maximum dust evacuation (short shroud available on CSV models)
- Ships with 49096-1 / 49099-1 low profile 3/8" premium pad
- **Weight:** 1.92 lb. / 0.87 kg.



5 & 6" VenturiVac

R025B-VLV-1 & R026B-VLV-1 R025B-VLV-2 & R026B-VLV-2

- 3/16" dia. orbit (VLV-1); 3/32" dia. orbit (VLV-2)
- VenturiVac System for the most powerful and effective, self-generated vacuuming
- Long shroud for maximum dust evacuation
- Ships with 49096-1 / 49099-1 low profile 3/8" premium pad
- **Weight:** 1.92 lb. / 0.87 kg.



IR **Cyclone Standard** models incorporate traditional aluminum housings with textured comfort grips. Available in non-vac, central vac and VenturiVac System; *.30 hp, 18.5 scfm at 10,000 free-speed rpm.*

5 & 6" Non-Vac

R035A-PSV & R036A-PSV

- Non-vacuum model can be converted to vac
- Short shroud for maximum workpiece visibility
- Ships with 49878-1 / 49879-1 low profile 3/8" premium pad
- **Weight:** 2.3 lb. / 1.0 kg.



R035A-PSV-L & R036A-PSV-L

- Long handle
- **Weight:** 2.6 lb. / 1.2 kg.



5 & 6" Central Vac

R035A-CSV & R036A-CSV

- Non-vacuum model can be converted to vac
- Short shroud for maximum workpiece visibility
- Ships with 49096-1 / 49099-1 low profile 3/8" premium pad
- **Weight:** 2.4 lb. / 1.2 kg.



5 & 6" VenturiVac

R035A-VLV & R036A-VLV

- VenturiVac System for the most powerful and effective, self-generated vacuuming
- Long shroud for maximum dust evacuation
- Ships with 49096-1 / 49099-1 low profile 3/8" premium pad
- **Weight:** 1.92 lb. / 0.87 kg.



Model Selection	Pad Type	Shroud	Composite .2 HP 3/16" Dia. Orbit	Composite .2 HP 3/32" Dia. Orbit	Aluminum .3 HP 3/16" Dia. Orbit
5" Diameter, 5/16"-24 Spindle			Cyclone Select	Cyclone Select	Standard
Non-Vac	Vinyl	Short	R025B-PSV-1	R025B-PSV-2	R035A-PSV
Non-Vac - Long Handle	Vinyl	Short	long handle sold sep.	long handle sold sep.	R035A-PSV-L
Central Vac	Vinyl	Short	R025B-CSV-1	R025B-CSV-2	R035A-CSV
	Vinyl	Long	R025B-CLV-1	R025B-CLV-2	NA
VenturiVac	Vinyl	Long	R025B-VLV-1	R025B-VLV-2	R035A-VLV
6" Diameter, 5/16"-24 Spindle			Cyclone Select	Cyclone Select	Standard
Non-Vac - Short Shroud	Vinyl	Short	R026B-PSV-1	R026B-PSV-2	R036A-PSV
Non-Vac - Short Shroud/Long Handle	Vinyl	Short	long handle sold sep.	long handle sold sep.	R036A-PSV-L
Central Vac	Vinyl	Short	R026B-CSV-1	R026B-CSV-2	R036A-CSV
	Vinyl	Long	R026B-CLV-1	R026B-CLV-2	NA
VenturiVac - Long Shroud	Vinyl	Long	R026B-VLV-1	R026B-VLV-2	R065A-VLV

5" & 6" Diameter Sanding Pads

IR premium sanding pads feature a riveted hub and your choice of 3/8" or 5/8" thick polyurethane foam pads for increased stability and smooth, swirl-free operation. The embossed vinyl, hook & loop, or canvas facing is

permanently molded to the polyurethane to create a durable surface. This surface offers maximum adhesion and easy removal of either PSA style or hook & loop abrasives.



49878-1 - 5" pad
49879-1 - 6" pad



49094-1 - 5" pad
49097-1 - 6" pad



49096-1 - 5" pad
49099-1 - 6" pad



49095-1 - 5" pad
49098-1 - 6" pad



04330916 - 5" pad
49835 - 6" pad



46860 - 5" pad
46861 - 6" pad



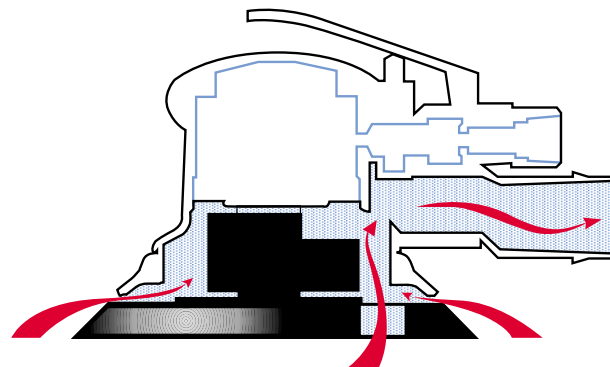
46866 - 5" pad
46867 - 6" pad

Pad Selection	Low Profile 3/8" Premium					High Profile 5/8" Premium	
	Flat Vinyl Face	Flat Vinyl Face w/ Diamond Pattern	Vinyl Face Petal Pattern	Flat Canvas "Duck" Face on Vinyl Pad	Hook & Loop	Flat Vinyl Face	Flat Canvas "Duck" Face on Vinyl Pad
5" Diameter Sanding Pads							
Vacuum			49096-1		04330916		
Non-Vacuum	49878-1	49094-1		49095-1		46860	46866
6" Diameter Sanding Pads							
Vacuum			49099-1		49835		
Non-Vacuum	49879-1	49097-1		49098-1		46861	46867

Industry Leading Vacuum Action

The IR Cyclone Select Series patented vacuum system extracts dust and particles through and around the pad... and then directly up and out a dedicated port, keeping foreign matter away from the motor. The vacuum sanding pad features a unique "petal" design and large 1/2-inch diameter holes for greater efficiency. The clear, unobstructed path ensures that virtually all dust is instantly channeled away from the work. Special shroud material protects the work surface from marring, while enhancing vacuum characteristics. Select Series vacuum-ready models connect easily to portable or central vacuum systems with the lighter, more flexible hoses that permit better maneuverability.

Another unique feature: all non-vacuum models can be easily converted to vacuum-ready status with the simple addition of a vacuum adapter and vacuum sanding pad.



"Patented" Vacuum Action Provides Industry Leading Dust Removal

Random Orbital Sanders Accessories

IR offers a complete line of service kits and specialty tools designed to extend the life of your random orbital sander, and provide easy maintenance and service.



VenturiVac Conversion Kits

Convert to the VenturiVac System for the most powerful and effective, self-generated vacuuming.

RSVK-5 for 5" Select models
49978 for 6" Select models



Pad Wrenches

Use to remove sanding pad. Included with every tool.

30131 for Standard non-vacuum models
30131-2 for Standard vacuum and all select models



Spanner Wrenches

Use to remove the lock ring securing the motor assembly.

44584 for Standard models
48869 for Select models



Piped Exhaust Assembly

Channels exhausted air away from the immediate work area and reduces operating sound levels. When ordering, indicate hose length desired (in feet) in place of "#."

44360-(#) for all models

"Select" Counter Balance Assembly

Economically upgrade existing 'A' Series to 'B' or improve uptime and reduce service time with easy to install assemblies. Counterbalance comes completely assembled with both bearing and spindle for easy installation.

Sander Model	Counter Balance Assembly
5" 3/32	80092885
5" 3/16	80090244
6" 3/32	80090301
6" 3/16	80092810



Vertical Orbital Sanders

Compact size and lightweight, ideal for sanding restricted areas or vertical surfaces. Quick-change clamps enable fast, easy paper changes.

8448-A1C palm grip, felt pad
8448-A1K long handle, felt pad
8448-A3C palm grip, sponge rubber pad
8448-A3K long handle, sponge rubber pad



Grip Rings

Three sizes of soft, color-keyed rubber grip rings that fit securely around top of Select Series housing, and allow a custom match to operator hand size.

49801 small, grey
49798 medium, black
49799 large, blue
49840 Kit of 3



Vacuum Adapters

Go from non-vac to vac-ready.

49802 Select Series
49692 Standard Series

Vacuum Hoses

49600 6' (1.8m) hose equipped with molded 1" I.D. cuffs at each end.
49982 VenturiVac hose



Dust Collection Bags

48275-1 dust collection bag
49975 VenturiVac bag cover
49988 disposable bag (20 qty)
49987 disposable bag (250 qty)



Long Handle Kit

Convert any Select Series short handle model to a long handle.

4120-EXT (for Select models only)

Motor Service Kits

Contains vanes, bearings, oil, snap ring and throttle spring.

49837 for Select models
49846 for Standard models

Woodworking Demands Exacting Standards

Advancements in manufacturing and production have transformed the world of industrial finishing. While the need for traditional, heavy-duty material removal continues in many segments, increases in precision and reductions in waste have changed overall demands. New materials require different tool speeds and attachments. A greater focus on product quality has tightened the standards of finishing. Parts and components must match surrounding surfaces with impeccable accuracy. With these changes in materials and processes, exactness and finesse in finishing operations have taken on new significance.



Regulated Housing



Now standard on all composite units, a regulated housing allows the user to tailor material removal rates to the task at hand. Adjust airflow to speed production on large, flat surfaces or slow it down for smaller, delicate work around edges or for final finishing.

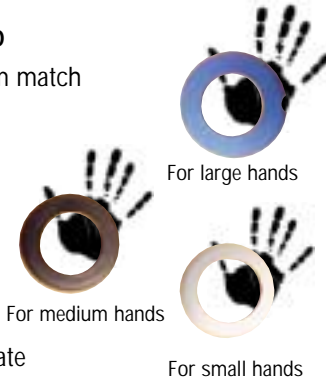
Easy Vacuum Conversion



All non-vacuum models can be easily converted for central vac with the simple addition of a vacuum adapter and vacuum sanding pad. Or you can upgrade to the new VenturiVac System and get twice the vacuum power of the nearest competitor. The VenturiVac Kit includes an exclusive disposable dust bag enclosed in a protective cover. This “double bagging” system ensures a cleaner work environment and promotes the proper disposal of collected particles.

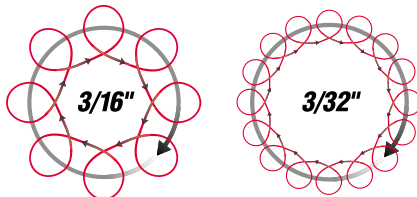
Comfortable Cushion Grip

Cushion grips allow a custom match to operator hand size. Small, medium and large sized, soft, color-keyed rubber grip rings are easily interchangeable, provide a comfortable, non-slip surface for control and insulate further against vibration and cold.



Choice of Orbit Patterns

ARO Random Orbital Sanders are now available in both a 3/16" diameter orbit pattern, or an even finer 3/32" orbit—ideal for final finishing with sanding grits 220 and above.



Cyclone™ Random Orbital Sander

Dedicated To Finishing

Longevity is a major factor in a finishing tool's return on investment. Our full line of random orbital sanders has been upgraded with longer life, **twin roller bearing assemblies**, and a **new counterbalance design** that will more than double the bearing life of the tools.

In addition, **vacuum action** ensures operators can clearly see the task at hand. Our vacuum-ready models extract dust and particles through and around the pad. A clear, unobstructed path and dedicated port ensures that virtually all dust is instantly channeled away from the work and out of the motor. Special shroud material enhances vacuum performance and protects the work surface from marring.

Lightweight Comfort

IR random orbital finishing tools feature one-piece precision-molded housings for unmatched strength and durability. Lower overall weight means less operator fatigue over extended periods.

Enhanced Efficiency

Innovative engineering from IR extracts maximum power from today's advanced air motor, achieving true 12,000 rpm performance.

A Quieter Work Environment

New materials and internal refinements have cut operating noise to just 78 dBA, to help create an environment where persistent noise is minimized.



Ingersoll-Rand has provided tools for assembly and finishing applications for decades, combining the best engineering talent, top quality materials, and the strongest support in the business. Our classic designs have set enduring performance standards and our most recent product introductions incorporate state-of-the-art design, technology and materials.



Proudly Supporting Members of ...



By supporting members of the Kitchen Cabinet Manufacturers Association (KCMA) and the American Furniture Manufacturers Association (AFMA), Ingersoll-Rand endorses the professional goals and objectives that provide for improved standards of quality, integrity and safety in woodworking.

These members and associations play a key role in providing information, education, statistics, legislative news and expertise on issues that are critical to the industry. through its participation, Ingersoll-Rand demonstrates a commitment to promoting growth of the woodworking industry, while providing for the safety and improved quality of life for its members' employees and customers.

Contact your Ingersoll-Rand distributor or representative today to check out the new Cyclone™ Series.
Visit www.irtools.com for additional details.

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