

# Elite Random Orbital Sanders Finishing Tools

As the name suggests, the new ARO Elite Series represents the best in random orbital sander design and performance. More power, speed, and durability than ever before. Better vacuum efficiency. And a new standard of operator comfort. However, the most important things may just be what ARO has taken away. There's less weight and less noise than ever before. Your operators will feel the difference in the superb handling. Your customers will see the difference in their superb finishes. The Elite Series is the new definition of leadership from the people who originated random orbital sanding.



## Lightweight:

The one-piece precision-molded composite housing provides unmatched strength and durability...and helps reduce overall weight to 1.83 lbs. for less operator fatigue over extended periods, contributing to greater productivity.

## Quiet:

New materials and internal refinements have cut sound pressure to just 78 dBa, for a more pleasant work environment.

## Efficient:

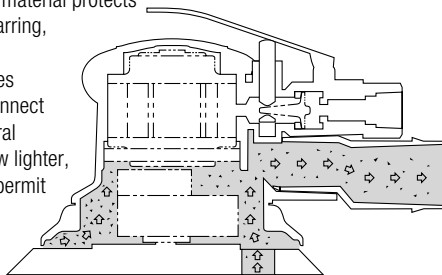
ARO has developed new ways to extract maximum power from the air motor, achieving true 12,000 rpm performance.

## 100% Made In The USA:

All ARO Elite Series sanders are built by skilled technicians at our Southern Pines, North Carolina plant, using U.S.-sourced parts and components.

## Improved Vacuum Action

The Elite Series vacuum-ready models extract dust and particulates 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. Elite Series vacuum-ready models connect easily to portable or central vacuum systems with new lighter, more flexible hoses that permit better maneuverability.

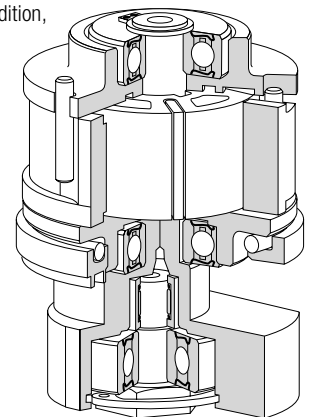


Another unique Elite Series feature: all non-vacuum models can be easily converted to vacuum-ready status with the simple addition of a vacuum adapter and vacuum sanding pad.

## Reduced Vibration

Inside the motor housing, ARO developed a fully machined counterweight that balances the power of the high-efficiency air motor and significantly reduces vibration. The counterweight bearing has been enlarged to provide twice the life. In addition, ongoing testing confirms that the ARO weight-matched sanding pad and counterbalance combination delivers unsurpassed smoothness.

On the outside, the Elite Series composite housing — with its ability to insulate and absorb energy — further reduces the effects of vibration transmitted to the operator.



## Perfect Fit for all Hands

With the ARO Elite Series, one sander fits all. Three sizes of soft, color-keyed rubber grip rings fit securely around the top of the housing, and allow a custom match to operator hand size.

The grip rings are easily interchangeable, provide a comfortable, non-slip surface for control, and insulate further against vibration and cold. Grip rings are available as accessories according to individual customer needs.



# Elite and Jet Vac Random Orbital Sanders Finishing Tools

## Non-Vacuum and Vacuum Ready

ARO Elite Series sanders are available in five non-vacuum model variations, with 3.5-inch, or 6-inch pads, and duck or vinyl pad faces. The non-vac versions can subsequently be converted to vacuum status with the simple addition of an available vacuum adapter, a petal pad, and a change in shroud if desired.



For applications requiring dust-free operation, choose from five models of Elite Series vacuum-ready sanders, for use with central or portable vacuum systems. Select short shrouds for maximum workpiece visibility, or long shrouds for maximum dust evacuation. The improved ARO vacuum hose is now 65 percent lighter than previous versions, for better operator convenience.

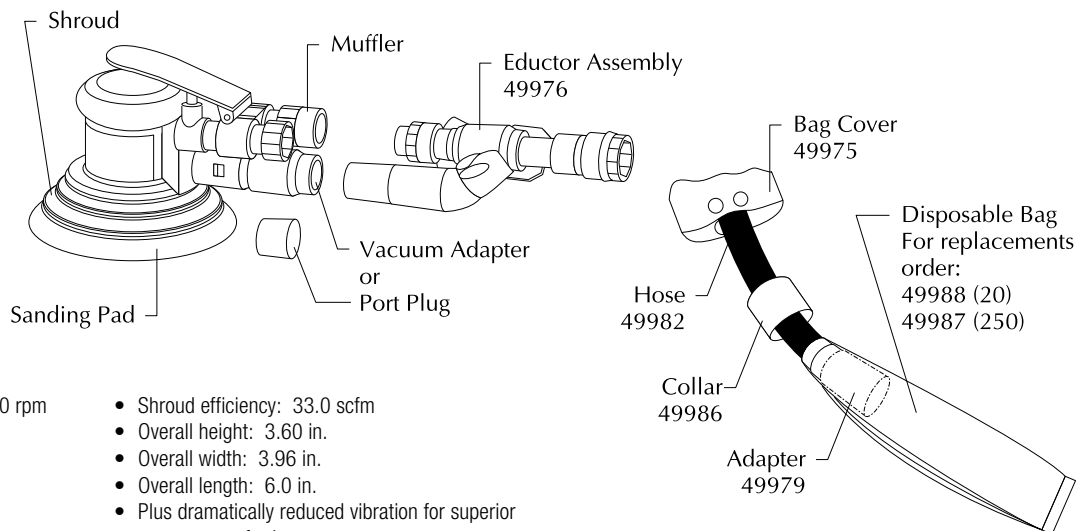


## Jet Vac

ARO has created a unique new addition to the Elite Series of random orbital sanders— one that sets a new performance standard for self generated vacuum sanding. The new Jet Vac™ System delivers twice the vacuum power of the nearest competitor and uses an exclusive disposable dust bag enclosed in a protective cover. This “double bagging” system provides a cleaner work environment, and promotes the proper disposal of collected particulates for maximum total effect.



## Jet Vac System Detail

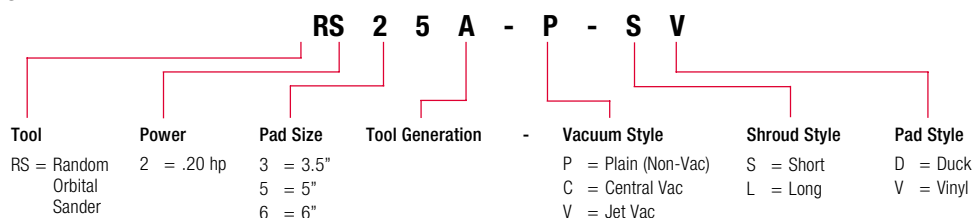


## Performance Data

- Maximum free speed: 12,000 rpm
- Power: 0.20 hp
- Air consumption: 15.8 scfm
- Sound pressure: 78 dBa
- Weight: 1.83 lbs.
- Power/weight: 0.109 hp/lb.
- Power/air consumption: 0.013 hp/scfm
- Shroud efficiency: 33.0 scfm
- Overall height: 3.60 in.
- Overall width: 3.96 in.
- Overall length: 6.0 in.
- Plus dramatically reduced vibration for superior operator comfort!

## ARO Elite and Jet Vac Model Identification Guide

Example: RS25A-PSV



# Elite, Jet Vac and Classic Line Random Orbital Sanders

## Finishing Tools

### Elite Model Specifications

Model No.	Shroud Style	Pad Size		Pad Face	Rated Max Free Speed rpm	Power hp	Air Cons. @ Free Speed scfm	Spindle Thread (Female)	Weight	
		in.	mm						lbs	kg
<b>Non-Vacuum</b>										
RS23A-PLV	Long	3.5	89	Vinyl	12,000	.20	15.8	5/16"-24	1.77	.80
RS25A-PSD	Short	5	127	Duck	12,000	.20	15.8	5/16"-24	1.83	.83
• RS25A-PSV	Short	5	127	Vinyl	12,000	.20	15.8	5/16"-24	1.83	.83
RS26A-PSD	Short	6	152	Duck	12,000	.20	15.8	5/16"-24	1.92	.87
• RS26A-PSV	Short	6	152	Vinyl	12,000	.20	15.8	5/16"-24	1.92	.87
<b>Vacuum-Ready</b>										
RS23A-CLV	Long	3.5	89	Vinyl	12,000	.20	15.8	5/16"-24	1.77	.80
• RS25A-CSV	Short	5	127	Vinyl	12,000	.20	15.8	5/16"-24	1.83	.83
RS25A-CLV	Long	5	127	Vinyl	12,000	.20	15.8	5/16"-24	1.92	.87
RS26A-CSV	Short	6	152	Vinyl	12,000	.20	15.8	5/16"-24	1.92	.87
RS26A-CLV	Long	6	152	Vinyl	12,000	.20	15.8	5/16"-24	1.92	.87
<b>Jet Vac</b>										
RS23A-VLV	Long	3.5	89	Vinyl	12,000	.20	15.8	5/16"-24	1.86	.84
• RS25A-VLV	Long	5	127	Vinyl	12,000	.20	15.8	5/16"-24	1.92	.87
RS26A-VLV	Long	6	152	Vinyl	12,000	.20	15.8	5/16"-24	1.92	.87

- Most popular model

Sanding pads have industry-standard hole pattern for "thru-the-pad" vacuum pickup. For use with coated sanding discs with pre-punched holes.

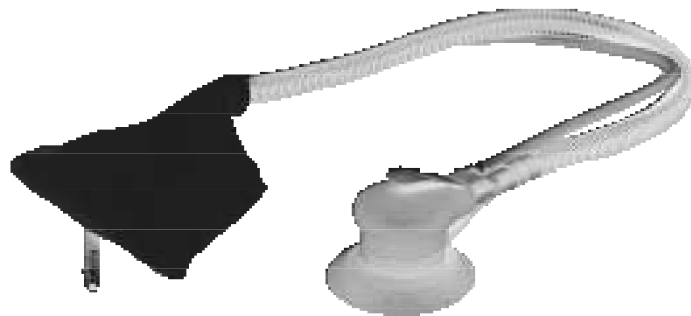
Air Inlet: 1/4" NPT Female Recommended Air Pressure: 90 PSI (6.2 bar) Recommended Hose Size: 5/16" (8mm) I.D.

## CLASSIC™ LINE



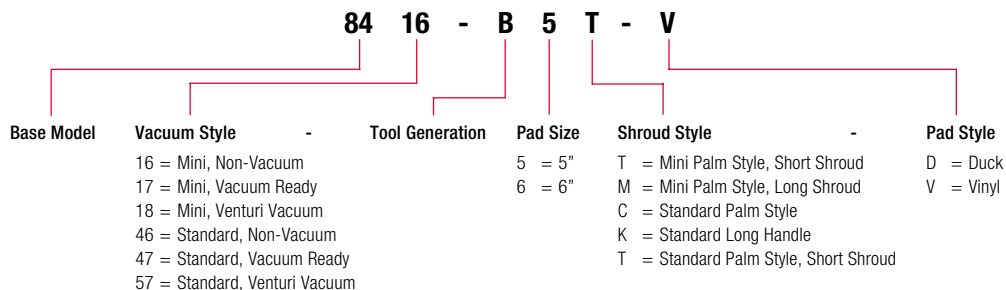
Proven throughout thousands of industrial finishing applications, ARO has now refined its popular Classic Line models with stronger internal components, improved shrouds, and more efficient vacuum action. The "ARO red" cushion grip fits snugly over the aluminum housing, and provides a comfortable grip surface for the operator. ARO offers Classic Line models in standard size as well as "mini" size housings.

You can select non-vacuum models, vacuum-ready models for use with central or portable vacuum systems, and venturi-vacuum models with a self-contained hose and collection bag in the Classic Line. Classic Standard Non-vacuum models can be converted to vacuum-ready status with an available conversion kit. Refinements to shrouds and port diameters have not only improved vacuum performance, but have also reduced weight and sound levels. And, as with all ARO random orbital sanders, the Classic Line models require no lubrication, and are backed by an exclusive two-year warranty.



### ARO Classic Line Model Identification Guide

Example: 8416-B5T-V



Classic Line Random Orbital Sanders  
**Finishing Tools**



8416-B5T-V



8446-B5C-V



8446-B6K-V

**Non-Vacuum**

Palm Style	Model No.		Pad Size		Pad Face	Rated Max Free Speed rpm	Power hp	Air Cons. @ Free Speed scfm	Spindle Thread (Female)	Weight			
	Long Handle	Short Handle	in.	mm						lbs	kg	lbs	kg
<b>Mini</b>													
					Duck	12,000	.20	12.5	5/16"-24	2.3	1.0	-	-
•	8416-B5T-V	-	5	127	Vinyl	12,000	.20	12.5	5/16"-24	2.3	1.0	-	-
	8416-B6T-D	-	6	152	Duck	12,000	.20	12.5	5/16"-24	2.3	1.0	-	-
	8416-B6T-V	-	6	152	Vinyl	12,000	.20	12.5	5/16"-24	2.3	1.0	-	-
<b>Standard</b>													
	8446-B5C-D	8446-B5K-D	5	127	Duck	10,000	.30	18.5	5/16"-24	2.3	1.0	2.6	1.2
•	8446-B5C-V	8446-B5K-V	5	127	Vinyl	10,000	.30	18.5	5/16"-24	2.3	1.0	2.6	1.2
	8446-B6C-D	8446-B6K-D	6	152	Duck	10,000	.30	18.5	5/16"-24	2.3	1.0	2.6	1.2
•	8446-B6C-V	8446-B6K-V	6	152	Vinyl	10,000	.30	18.5	5/16"-24	2.3	1.0	2.6	1.2

• Most popular model

Air Inlet: 1/4" NPT Female Recommended Air Pressure: 90 PSI (6.2 bar) Recommended Hose Size: 5/16" (8mm) I.D.



8417-B5T-V



8417-B5M-V



8447-E5T-V

**Vacuum-Ready**

Short Shroud	Model No.		Pad Size		Pad Face	Rated Max Free Speed rpm	Power hp	Air Cons. @ Free Speed scfm	Spindle Thread (Female)	Weight			
	Long Shroud	Short Shroud	in.	mm						lbs	kg	lbs	kg
<b>Mini</b>													
•	8417-B5T-V	-	5	127	Vinyl	12,000	.20	12.5	5/16"-24	2.3	1.0	-	-
	-	8417-B5M-V	5	127	Vinyl	12,000	.20	12.5	5/16"-24	2.3	1.0	-	-
	8417-B6T-V	-	6	152	Vinyl	12,000	.20	12.5	5/16"-24	2.3	1.0	-	-
	-	8417-B6M-V	6	152	Vinyl	12,000	.20	12.5	5/16"-24	2.3	1.0	-	-
<b>Standard</b>													
•	8447-E5T-V	-	5	127	Vinyl	10,000	.30	18.5	5/16"-24	2.4	1.2	-	-
•	8447-E6T-V	-	6	152	Vinyl	10,000	.30	18.5	5/16"-24	2.4	1.2	-	-

• Most popular model

Sanding pads have industry-standard hole pattern for "thru-the-pad" vacuum pickup. For use with coated sanding discs with pre-punched holes.

Air Inlet: 1/4" NPT Female Recommended Air Pressure: 90 PSI (6.2 bar) Recommended Hose Size: 5/16" (8mm) I.D.



8418-B5T-V



8418-B5M-V



8457-B5T-V

**Venturi Vacuum**

Model No.		Pad Size		Pad Face	Rated Max Free Speed rpm	Power hp	Air Consp. @ Free Speed scfm	Spindle Thread (Female)	Weight	
Short Shroud	Long Shroud	in.	mm						lbs	kg
<b>Mini</b>										
8418-B5T-V	-	5	127	Vinyl	12,000	.20	12.5	5/16"-24	2.3	1.0
-	8418-B5M-V	5	127	Vinyl	12,000	.20	12.5	5/16"-24	2.3	1.0
8418-B6T-V	-	6	152	Vinyl	12,000	.20	12.5	5/16"-24	2.3	1.0
-	8418-B6M-V	6	152	Vinyl	12,000	.20	12.5	5/16"-24	2.3	1.0
<b>Standard</b>										
-	8457-B5T-V	5	127	Vinyl	10,000	.30	18.5	5/16"-24	2.4	1.1
-	8457-B6T-V	6	152	Vinyl	10,000	.30	18.5	5/16"-24	2.4	1.1

Sanding pads have industry-standard hole pattern for "thru-the-pad" vacuum pickup. For use with coated sanding discs with pre-punched holes.  
 Air Inlet: 1/4" NPT Female Recommended Air Pressure: 90 PSI (6.2 bar) Recommended Hose Size: 5/16" (8mm) I.D.

**Replacement Sanding Pads**

ARO premium sanding pads feature a riveted hub for increased stability throughout the life of the pad to help eliminate swirl marks. The special vinyl material provides greater consistency throughout the pads for smoother operation and increased durability. When combined with weight-matched counterbalances, ARO sanding pads produce the smoothest performance of any other random orbital sanding pad.

**Premium Quality, Low Profile Pads**

**Non-vacuum – 3/8" (9.5 mm) Thick**

- 49094 5" (127 mm) Dia., Vinyl Face "diamond" pattern. 49878 (Elite)
- 49095 5" (127 mm) Dia., Duck Face 49877 (Elite)
- 49097 6" (152 mm) Dia., Vinyl Face "diamond" pattern. 49879 (Elite)
- 49098 6" (152 mm) Dia., Duck Face 49880 (Elite)



**Vacuum<sup>1</sup> – 3/8" (9.5 mm) Thick**

- 49096 5" (127 mm) dia., Vinyl Face "petal" pattern.
- 49099 6" (152 mm) dia., Vinyl Face "petal" pattern.
- 04334009 3.5" Vinyl for all 3.5" Elite sanders (Non-vac, Vac-ready, and Jet-Vac).

**High Profile Pads**

**Non-vacuum – 5/8" (15.9 mm) Thick**

- 46860 5" (127 mm) Dia., Vinyl Face
- 46866 5" (127 mm) Dia., Duck Face
- 46861 6" (152 mm) Dia., Vinyl Face
- 46867 6" (152 mm) Dia., Duck Face



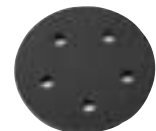
**Vacuum<sup>1</sup> – 5/8" (15.9 mm) Thick**

- 46862 5" (127 mm) Dia., Vinyl Face
- 46863 6" (152 mm) Dia., Vinyl Face

**Premium Quality, Hook and Loop**

**Low Profile Pads Non-vacuum and Vacuum**

- 49693 5" (127 mm) Dia. Hook and Loop Face
- 49694 6" (152 mm) Dia. Hook and Loop Face



(1) For use with PSA coated sanding discs with industry-standard pre-punched holes.

**Orbital Sanders**

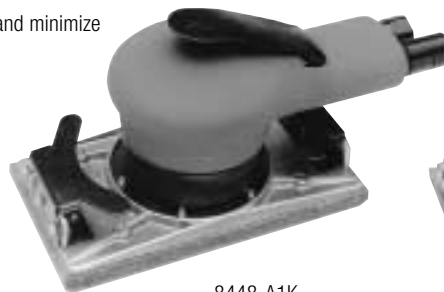
.3 HP (.2 kW)

Capacity: 3 2/3" x 9" Paper Size

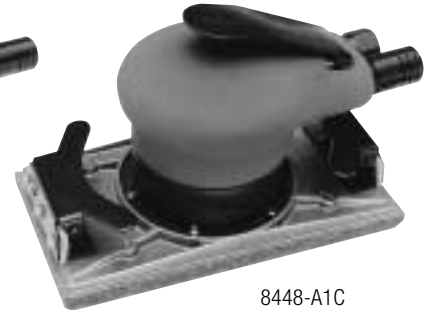
- Compact size and light weight are ideal for sanding restricted areas or vertical surfaces.
- Low vibration and palm grip provide comfortable operation and minimize operator fatigue.
- Quick-change clamps enable fast, easy paper changes.

**Standard Equipment**

- Sanding Back-Up Pad



8448-A1K



8448-A1C

Model No.		Thickness		Pad Material	Free Speed rpm	Exhaust Location	Orbit Dia.		Air Cons. @ Free Speed		Sound Level @ Free Speed		Weight Part No.
Palm Grip	Long Handle	in.	mm				in.	mm	cfm	L/s	dBA		
<b>With Cushion Grip Sleeve</b>													
• 8448-A1C	8448-A1K	5/16	8	Felt	8000	Rear	.2	5.1	20	9	81	44570	
• 8448-A3C	8448-A3K	1/2	13	Sponge Rubber	8000	Rear	.2	5.1	20	9	81	44571	

- Most popular models

Description	Tool Height		Tool Weight	
	in.	mm	lbs	kg
Palm Grip	3.8	98	3.5	1.6
Long Handle	3.8	98	3.8	1.7

**Extra Cost Accessories**

For Model	Part No.	Description
8448	44360-()	Piped Exhaust Assembly

Air Inlet: 1/4" NPT Female  
 Recommended Air Pressure: 90 PSI (6.2 bar)  
 Recommended Hose Size: 5/16" (8mm) I.D.

ARO 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.

### Vacuum Hoses

- 44546-( ) Hose Assembly Equipped with necessary adapters. To order, add dash number to indicate desired length in feet.
- 49600 6' (1.8m) Hose Equipped with molded 1" I.D. cuffs at each end.
- 48275-1 Dust Collection Bag
- 49982 Hose Jet-Vac
- 49975 Bag Cover-Jet-Vac
- 49988 Disposable Bag (20)
- 49987 Disposable Bag (250)



### Vacuum Adapters/Conversion Kits

- 49802 Elite Series
- 49692 Classic Line
- 49977 Jet Vac-5"
- 49978 Jet Vac-6"

### Service Kits

Contain all the necessary genuine ARO replacement parts for proper preventative maintenance.

- 48894 (For all mini-size models produced before 12/1/93)
- 49837 (For mini and Elite models produced after 12/1/93)
- 48249-1 (For all standard-size models produced before 12/1/93)
- 49846 (For models produced after 12/1/93)

### Pad Wrenches

Use to remove sanding pad. Included with every tool.

- 30131 for standard non-vacuum models.
- 30131-2 for all mini and vacuum standard models.



### Spanner Wrenches

Use to remove the lock ring securing the motor assembly.

- 44548 for all standard models.
- 48869 for all mini models.



### Piped Exhaust Assembly

Channels exhausted air away from the immediate work area and reduces operating sound levels. Add dash number to indicate desired length in feet.

- 44360-( ) for all models.



### Grip Rings

Alternate grip rings for Elite Series models.

- 49801 Small, Grey
- 49798 Medium, Black
- 49799 Large, Blue
- 49840 Kit of 3

### Counter Balance - RS Series

- 04333100 Needle Bearing Puller