



Random Orbital Sanders

Dynorbital-Spirit®	46	Palm-Style Mini-Orbital	54
HiVac Dynorbital-Spirit®	48	7° Offset Mini-Orbital	55
Mesh Abrasive Systems	49	Angle-Head Mini-Dynorbital®	56
Dynorbital® Supreme	50	Right Angle Mini-Orbital	57
Two-Hand Dynorbital®	52	Electric Dynorbital®	58
11" Dia. Dynorbital®	53		



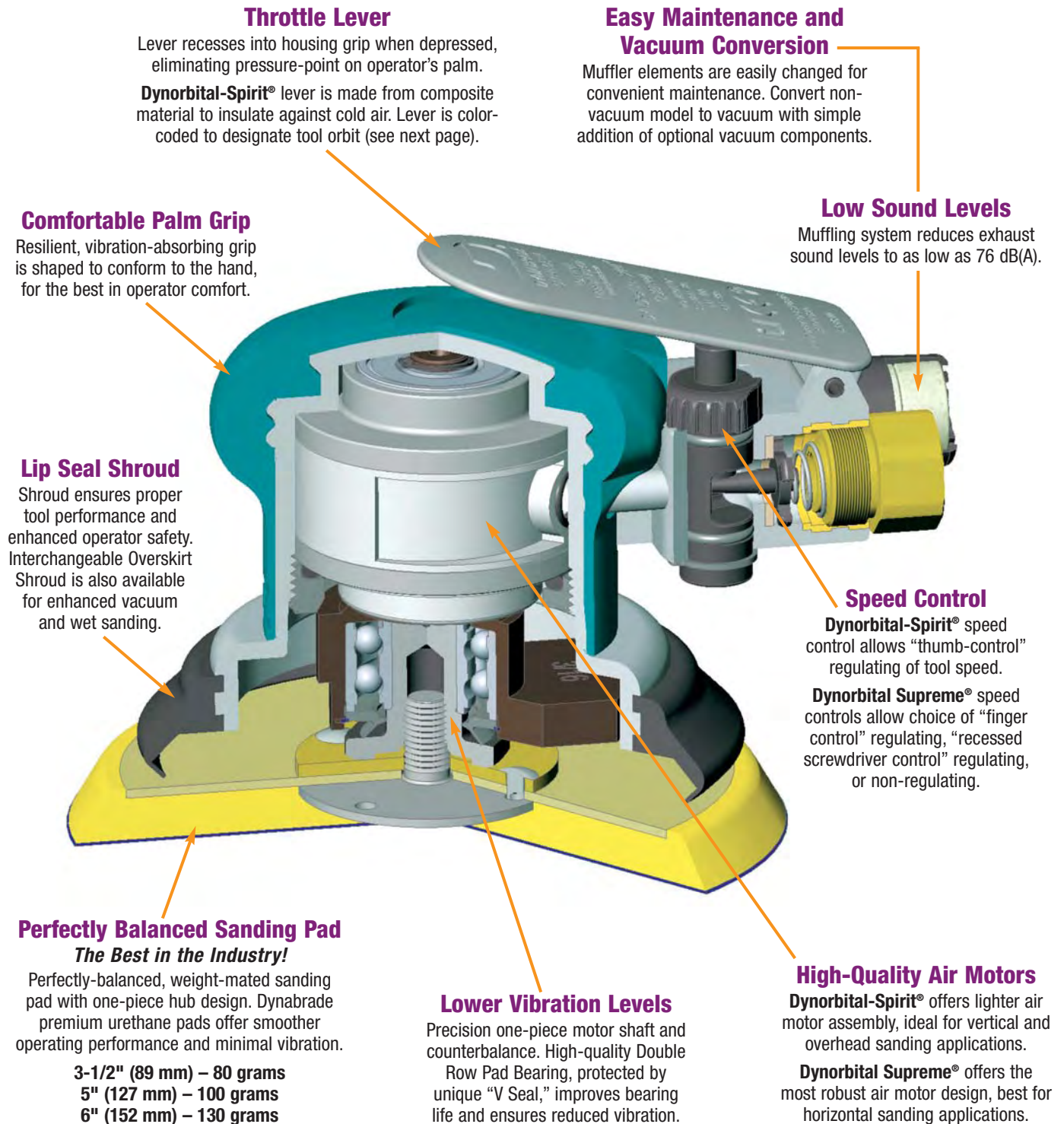
Continued Leadership In Portable Abrasive Power Tool Technology

www.dynabrade.com

Dynorbital-Spirit® & Dynorbital® Supreme

Air-Powered Random Orbital Sanders

Innovation and Excellence Built Right In



Dynorbital-Spirit®

Air-Powered Random Orbital Sander

The Finest in Random Orbital Sanding Innovation

NEW! Comfort Platform



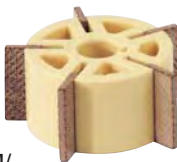
Now included on all palm-style Dynorbital-Spirit® and Dynorbital® Supreme Random Orbital Sanders!

- New Comfort Platform provides additional hand and wrist support, further enhancing operator comfort. Also offers increased protection against cold air exhaust. (NOTE: Comfort Platform is removable.)
- Comfort Platform also included on Dynabug® II! (See page 70.)

Order 59330 Comfort Platform separately, to install on existing tools!

More Power

- True 12,000 RPM air motor. Floating rotor utilizes five blades, producing more usable power (.25 hp/186 W). High-strength, composite rotor has better lubricating qualities, allowing blades to last longer. Less air (14 SCFM/396 LPM) is used more efficiently to maintain maximum power.



ABRASIVE CAPACITY

ABRASIVE DISCS

3" (76 mm), 3-1/2" (89 mm), 5" (127 mm) and 6" (152 mm) diameter

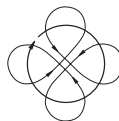
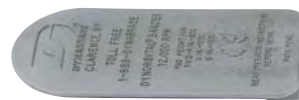
Color-Coded Levers Quickly Identify your Choice of Three Different Orbits



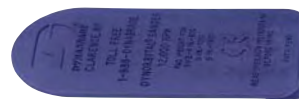
- Black lever identifies 3/32" (2.5 mm) dia. orbit, used for ultra-fine sanding.



- Grey lever identifies 3/16" (5 mm) dia. orbit, used for general sanding.



- Blue lever identifies 3/8" (10 mm) dia. orbit, used for aggressive sanding.



Drop-In Motor

- Less repair tools needed to repair and maintain the tool.
- Quick in-house repair lessens downtime.
- Average repair time now less than five minutes.
- See page 190.

EASY TO INSTALL!



Model Number	Vacuum Style	Tool Dia. Inch (mm)	Dia. Orbit Inch (mm)	Sound Level	Weight Pound (kg)	Length Inch (mm)
59000	Non-Vac	3-1/2 (89)	3/8 (10)	78 dB(A)	1.4 (0.6)	6 (152)
59005	Non-Vac	5 (127)	3/8 (10)	82 dB(A)	1.5 (0.7)	6-1/2 (165)
59010	Non-Vac	6 (152)	3/8 (10)	82 dB(A)	1.6 (0.7)	7 (178)
59015	Non-Vac	3-1/2 (89)	3/16 (5)	80 dB(A)	1.4 (0.6)	6 (152)
59020	Non-Vac	5 (127)	3/16 (5)	80 dB(A)	1.4 (0.6)	6-1/2 (165)
59025	Non-Vac	6 (152)	3/16 (5)	81 dB(A)	1.5 (0.7)	7 (178)
59030	Non-Vac	3-1/2 (89)	3/32 (2)	80 dB(A)	1.4 (0.6)	6 (152)
59035	Non-Vac	5 (127)	3/32 (2)	79 dB(A)	1.4 (0.6)	6-1/2 (165)
59040	Non-Vac	6 (152)	3/32 (2)	80 dB(A)	1.5 (0.6)	7 (178)
59100	Non-Vac	3 (76)	3/8 (10)	78 dB(A)	1.4 (0.6)	6 (152)
59105	Non-Vac	3 (76)	3/16 (5)	80 dB(A)	1.4 (0.6)	6-1/2 (165)
59110	Non-Vac	3 (76)	3/32 (2)	79 dB(A)	1.3 (0.6)	7 (178)
59003	Self-Gen	3-1/2 (89)	3/8 (10)	87 dB(A)	1.5 (0.7)	8-1/2 (216)
59008	Self-Gen	5 (127)	3/8 (10)	87 dB(A)	1.6 (0.7)	8-1/2 (216)
59013	Self-Gen	6 (152)	3/8 (10)	86 dB(A)	1.7 (0.7)	9 (229)
59018	Self-Gen	3-1/2 (89)	3/16 (5)	87 dB(A)	1.4 (0.6)	8-1/2 (216)
59023	Self-Gen	5 (127)	3/16 (5)	85 dB(A)	1.5 (0.7)	8-1/2 (216)
59028	Self-Gen	6 (152)	3/16 (5)	86 dB(A)	1.6 (0.7)	9 (229)

Model Number	Vacuum Style	Tool Dia. Inch (mm)	Dia. Orbit Inch (mm)	Sound Level	Weight Pound (kg)	Length Inch (mm)
59033	Self-Gen	3-1/2 (89)	3/32 (2)	87 dB(A)	1.4 (0.6)	8-1/2 (216)
59038	Self-Gen	5 (127)	3/32 (2)	84 dB(A)	1.5 (0.6)	8-1/2 (216)
59043	Self-Gen	6 (152)	3/32 (2)	86 dB(A)	1.5 (0.7)	9 (229)
59103	Self-Gen	3 (76)	3/8 (10)	87 dB(A)	1.5 (0.6)	8-1/2 (216)
59108	Self-Gen	3 (76)	3/16 (5)	87 dB(A)	1.4 (0.6)	8-1/2 (216)
59113	Self-Gen	3 (76)	3/32 (2)	87 dB(A)	1.4 (0.6)	9 (229)
59004	Central	3-1/2 (89)	3/8 (10)	78 dB(A)	1.5 (0.7)	7 (178)
59009	Central	5 (127)	3/8 (10)	82 dB(A)	1.5 (0.7)	7-1/4 (184)
59014	Central	6 (152)	3/8 (10)	83 dB(A)	1.6 (0.7)	7-3/4 (197)
59019	Central	3-1/2 (89)	3/16 (5)	80 dB(A)	1.4 (0.6)	7 (178)
59024	Central	5 (127)	3/16 (5)	81 dB(A)	1.5 (0.6)	7-1/4 (184)
59029	Central	6 (152)	3/16 (5)	82 dB(A)	1.6 (0.7)	7-3/4 (197)
59034	Central	3-1/2 (89)	3/32 (2)	80 dB(A)	1.4 (0.6)	7 (178)
59039	Central	5 (127)	3/32 (2)	81 dB(A)	1.4 (0.6)	7-1/4 (184)
59044	Central	6 (152)	3/32 (2)	81 dB(A)	1.5 (0.7)	7-3/4 (197)
59104	Central	3 (76)	3/8 (10)	78 dB(A)	1.5 (0.6)	7 (178)
59109	Central	3 (76)	3/16 (5)	80 dB(A)	1.4 (0.6)	7-1/4 (184)
59114	Central	3 (76)	3/32 (2)	80 dB(A)	1.4 (0.6)	7-3/4 (197)

Additional Specifications: Motor .25 hp (186 W) • Motor 12,000 RPM • Thread 5/16"-24 Female • Air Inlet Thread 1/4" NPT
Hose I.D. Size 1/4" (6 mm) • Air Flow Rate 14 SCFM/396 LPM • Height 3-1/2" (89 mm) • Air Pressure 90 PSIG (6.2 Bar)

Tune-Up Kit: No. 96510 (page 192)



FASTTRACK

Sanding Pads: Page 164 • Drop-In Motors: Page 190 • Abrasive Discs: Page 215

Dynorbital-Spirit®

Air-Powered Random Orbital Sander

ABRASIVE CAPACITY	ABRASIVE DISCS
	3" (76 mm), 3-1/2" (89 mm), 5" (127 mm) and 6" (152 mm) diameter

Hundreds of Industrial Applications

Non-Vacuum

- Includes low profile, premium urethane weight-mated sanding pad.
- Optional vacuum conversion kits are available to easily convert non-vacuum tool to self-generated vacuum tool or central vacuum tool (see page 155).

Pad Diameter Inch (mm)	3/8" Orbit Models	3/16" Orbit Models	3/32" Orbit Models
3 (76 mm)	59100	59105	59110
3-1/2 (89 mm)	59000	59015	59030
5 (127 mm)	59005	59020	59035
6 (152 mm)	59010	59025	59040



Model 59020

See page 164 for
Dynabrade High Quality
Sanding Pads!

Self-Generated Vacuum

- Includes low profile, premium urethane weight-mated sanding pad.
- Ready for connection to optional portable self-contained dust collection system (50617 shown; see page 156).

Pad Diameter Inch (mm)	3/8" Orbit Models	3/16" Orbit Models	3/32" Orbit Models
3 (76 mm)	59103	59108	59113
3-1/2 (89 mm)	59003	59018	59033
5 (127 mm)	59008	59023	59038
6 (152 mm)	59013	59028	59043



Model 59023

50617
(See page 156)

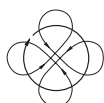
Central Vacuum

- Includes low profile, premium urethane weight-mated sanding pad.
- Has 1" (25 mm) outside diameter vacuum port, for easy connection to central vacuum system.

Pad Diameter Inch (mm)	3/8" Orbit Models	3/16" Orbit Models	3/32" Orbit Models
3 (76 mm)	59104	59109	59114
3-1/2 (89 mm)	59004	59019	59034
5 (127 mm)	59009	59024	59039
6 (152 mm)	59014	59029	59044



Model 59024



3/8" (10 mm) Dia. Orbit
For Aggressive Sanding



3/16" (5 mm) Dia. Orbit
For General Sanding

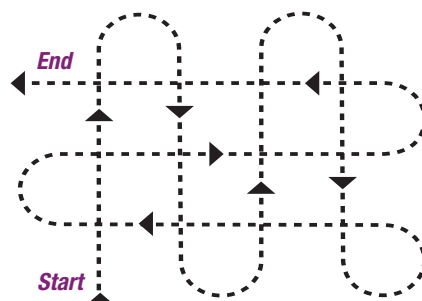


3/32" (2.5 mm) Dia. Orbit
For Ultra-Fine Sanding



For efficient random orbital sanding and uniform finish, move the tool in "north-to-south" pattern, then change to "east-to-west" pattern. Be sure to sand complete surface in each pattern.

Remember the rule of "start ON, stop OFF." Place the tool ON the work surface before starting it, and move running tool OFF the surface before stopping it. This will help to prevent unwanted swirl marks.



FASTTRACK

HiVac Dynorbital-Spirit®

Air-Powered 3" Diameter Random Orbital Sander

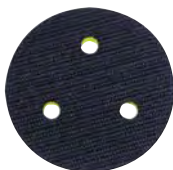
ABRASIVE
CAPACITYABRASIVE DISCS
3" (76 mm) diameter

Small Tool with Big Power and Vacuum Capability

- 3" diameter HiVac Dynorbital-Spirit® efficiently vacuums through 3-hole sanding pad and unique shroud design.
- Ergonomically designed to the highest standards of Dynabrade technology.
- Sanding pad is weight-mated to tool, ensuring low vibration and smooth finishes.
- Tool weight of 1.3 pounds (0.6 kg) minimizes operator fatigue.
- Innovative "V-Seal" protects double row balancer bearing from sanding residue for longer tool life.
- Unique "Top Hat" seal protects front motor bearing from contaminants while maintaining bearing lubrication.



**3/32" (2.5 mm)
Dia. Orbit**
(Models pictured)



56144 Vacuum Pad
(All HiVac models)

NEW!



Model
59116

HiVac Dynorbital-Spirit® powers 3" diameter sanding pad.



50617
(See page 156)

Model
59116

Self-Generated Vacuum

Vacuums directly through the tool's exhaust, with 1" vacuum port connected to optional portable dust collection system. Includes 56144 Vacuum Sanding Pad (3 holes, medium density hook-face). Pad accepts 3" diameter hook-face or mesh-style abrasive discs (sold separately).

Model 59116 3/32" Orbit

Model 59115 with 3/16" orbit is also available.

Central Vacuum

1" (25 mm) outside diameter vacuum port connects to an external vacuum source, such as a portable vacuum or central vac system. Includes 56144 Vacuum Sanding Pad (3 holes, medium density hook-face). Pad accepts 3" (76 mm) diameter hook-face or mesh-style abrasive discs (sold separately).

Model 59118 3/32" Orbit

Model 59117 with 3/16" orbit is also available.



Model
59118

Model Number	Orbit Dia. Inch (mm)	Motor hp (W)	Motor RPM	Sound Level	Max. Air Flow SCFM (LPM)	Spindle Thread	Hose I.D. Size Inch (mm)	Air Inlet Thread	Weight lb (kg)	Length Inch (mm)	Height Inch (mm)
59115	3/16" (5)	.25 (186)	12,000	83.7 d(B)A	14 (396)	5/16"-24	1/4 (8)	1/4" NPT	1.3 (0.6)	7-3/4 (197)	3-3/4 (95)
59116	3/32" (2)	.25 (186)	12,000	83.7 d(B)A	14 (396)	5/16"-24	1/4 (8)	1/4" NPT	1.3 (0.6)	7-3/4 (197)	3-3/4 (95)
59117	3/16" (5)	.25 (186)	12,000	81.8 d(B)A	14 (396)	5/16"-24	1/4 (8)	1/4" NPT	1.3 (0.6)	6-1/2 (166)	3-3/4 (95)
59118	3/32" (2)	.25 (186)	12,000	81.8 d(B)A	14 (396)	5/16"-24	1/4 (8)	1/4" NPT	1.3 (0.6)	6-1/2 (166)	3-3/4 (95)

Tune-Up Kit: No. 96510 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



Mesh Abrasive Systems

For Use with Random Orbital Sanders

Includes Unique Sanding Pad for Mesh-Style Abrasive Discs

NEW!

ABRASIVE
CAPACITY

MESH ABRASIVE DISCS

3", 5", 6", 8" diameter
(76 mm, 127 mm, 152 mm,
203 mm)

3" HiVac Dynorbital-Spirit® Mesh Abrasive System

Model 59119

- Includes 59116 HiVac Dynorbital-Spirit® (3" dia., 3/32" dia. orbit, Self-Generated Vacuum), 56144 Vacuum Pad (3" dia., short hook-face, medium density), "bag-in-bag" vacuum system, extra disposable vacuum bags and scratch-proof belt strap.



5" Dynorbital-Spirit® Mesh Abrasive System

Model 58052

- Includes 58054 Dynorbital-Spirit® (5" dia., 3/16" dia. orbit, Self-Generated Vacuum) with 56320 Pad (5" dia., 44-hole, hook-face, medium density), "bag-in-bag" vacuum system, extra disposable vacuum bags and scratch-proof belt strap.



Model 58054

- Dynorbital-Spirit® (5" dia., 3/16" dia. orbit, Self-Generated Vacuum) with 56320 Pad.

Model Number	Orbit Dia. Inch (mm)	Motor hp (W)	Motor RPM	Max. Air Flow SCFM (LPM)	Spindle Thread	Air Pressure PSIG (Bar)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Weight lb (kg)	Length Inch (mm)	Height Inch (mm)
58054	3/16" (5)	.25 (186)	12,000	14 (396)	5/16"-24	90 (6.2)	1/4 (8)	1/4" NPT	1.3 (0.6)	8-1/2 (216)	3-1/2 (89)

Tune-Up Kit: No. 96510 (page 192)

6" Dynorbital-Spirit® Mesh Abrasive System

Model 58053

- Includes 59028 Dynorbital-Spirit® (6" dia., 3/16" dia. orbit, Self-Generated Vacuum), 56321 Vacuum Pad (6" dia., 52-hole, hook-face, medium density), "bag-in-bag" vacuum system, extra disposable vacuum bags and scratch-proof belt strap.



8" Two-Hand Dynorbital® Mesh Abrasive System

Model 58412

- Includes 58411 Two-Hand Dynorbital® (8" dia., 3/16" dia. orbit, Self-Generated Vacuum), 56322 Vacuum Pad (8" dia., 48-hole, short hook-face, medium density) and "Bag-in-Bag" Vacuum System.



Dynorbital® Supreme

Air-Powered Random Orbital Sander

ABRASIVE
CAPACITY**ABRASIVE DISCS**3-1/2" (89 mm), 5" (127 mm)
and 6" (152 mm) diameter

The Tradition of Random Orbital Sanding Excellence Continues

NEW! Comfort Platform

Now included on all palm-style Dynorbital-Spirit® and Dynorbital® Supreme Random Orbital Sanders!

- New Comfort Platform provides additional hand and wrist support, further enhancing operator comfort. Also offers increased protection against cold air exhaust. (NOTE: Comfort Platform is removable.)
- Comfort Platform also included on Dynabug® II! (See page 70.)

Order 59330 Comfort Platform separately, to install on existing tools!

**More Power**

- All Dynorbital® Supreme models run at 12,000 RPM.
- Rotor utilizes five blades and produces more useable power. Composite rotor is stronger and has better lubricating qualities, enabling blades to last longer.

Less Vibration

- Composite base has integrated rubber over-mold creating a non-slip feel, as well as insulating from cold.
- The air motor is suspended by vibration-absorbing rubber rings (Patent No. 5,319,888) to minimize vibration.

Triple-Sealed Balancer Bearing

- Triple-sealed front double row balancer bearing (Patent No. 4,854,085) is guarded from sanding residue for long life and lower maintenance; easy replacement using 57098 Repair Kit.

Anti-Clog Vacuum Design

- Anti-clog design (Patent No. 5,319,888) enhances the vacuum pick-up on self-generated and central vacuum models. Dust particles are directed away from the air motor (reducing contamination) following a smoother, easier path of extraction.



Remember the rule of "start ON, stop OFF." Place the tool ON the work surface before starting it, and move running tool OFF the surface before stopping it. This will help to prevent unwanted swirl marks.

Model Number	Motor hp (W)	Motor RPM	Vacuum Style	Tool Dia. Inch (mm)	Dia. Orbit Inch (mm)	Sound Level	Air Flow Rate SCFM (LPM)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
56800	.28 (209)	12,000	Non-Vac	3-1/2 (89)	3/16" (5)	76 dB(A)	18 (510)	2.1 (1.0)	6 (152)	3-3/4 (95)
56815	.28 (209)	12,000	Non-Vac	5 (127)	3/16" (5)	78 dB(A)	18 (510)	2.1 (1.0)	6-1/2 (165)	3-5/8 (92)
56826	.28 (209)	12,000	Non-Vac	6 (152)	3/16" (5)	79 dB(A)	18 (510)	2.2 (1.0)	7 (178)	3-1/2 (89)
56840	.28 (209)	12,000	Non-Vac	3-1/2 (89)	3/32" (2)	76 dB(A)	18 (510)	2.1 (1.0)	6 (152)	3-3/4 (95)
56850	.28 (209)	12,000	Non-Vac	5 (127)	3/32" (2)	78 dB(A)	18 (510)	2.1 (1.0)	6-1/2 (165)	3-5/8 (92)
56859	.28 (209)	12,000	Non-Vac	6 (152)	3/32" (2)	79 dB(A)	18 (510)	2.2 (1.0)	7 (178)	3-1/2 (89)
56803	.28 (209)	12,000	Self-Gen	3-1/2 (89)	3/16" (5)	83 dB(A)	18 (510)	2.1 (1.0)	8-1/4 (210)	3-3/4 (95)
56818	.28 (209)	12,000	Self-Gen	5 (127)	3/16" (5)	81 dB(A)	18 (510)	2.1 (1.0)	8-1/2 (216)	3-5/8 (92)
56829	.28 (209)	12,000	Self-Gen	6 (152)	3/16" (5)	79 dB(A)	18 (510)	2.2 (1.0)	9 (229)	3-1/2 (89)
56843	.28 (209)	12,000	Self-Gen	3-1/2 (89)	3/32" (2)	83 dB(A)	18 (510)	2.1 (1.0)	8-1/4 (210)	3-3/4 (95)
56853	.28 (209)	12,000	Self-Gen	5 (127)	3/32" (2)	81 dB(A)	18 (510)	2.1 (1.0)	8-1/2 (216)	3-5/8 (92)
56862	.28 (209)	12,000	Self-Gen	6 (152)	3/32" (2)	79 dB(A)	18 (510)	2.2 (1.0)	9 (229)	3-1/2 (89)
56804	.28 (209)	12,000	Central	3-1/2 (89)	3/16" (5)	76 dB(A)	18 (510)	2.1 (1.0)	7 (178)	3-3/4 (95)
56819	.28 (209)	12,000	Central	5 (127)	3/16" (5)	78 dB(A)	18 (510)	2.2 (1.0)	7-1/4 (184)	3-5/8 (92)
56830	.28 (209)	12,000	Central	6 (152)	3/16" (5)	79 dB(A)	18 (510)	2.2 (1.0)	7-3/4 (197)	3-1/2 (89)
56844	.28 (209)	12,000	Central	3-1/2 (89)	3/32" (2)	76 dB(A)	18 (510)	2.1 (1.0)	7 (178)	3-3/4 (95)
56854	.28 (209)	12,000	Central	5 (127)	3/32" (2)	78 dB(A)	18 (510)	2.2 (1.0)	7-1/4 (184)	3-5/8 (92)
56863	.28 (209)	12,000	Central	6 (152)	3/32" (2)	79 dB(A)	18 (510)	2.2 (1.0)	7-3/4 (197)	3-1/2 (89)

Additional Specifications for All Models: Air Inlet Thread 1/4" NPT • Hose I.D. Size 1/4" (6 mm) • Thread 5/16"-24 Female • Air Pressure 90 PSIG (6.2 Bar)

Tune-Up Kit: No. 96024 (page 192)



FASTTRACK

Sanding Pads: Page 164 • Abrasive Discs: Page 215

Dynorbital® Supreme

Air-Powered Random Orbital Sander

ABRASIVE CAPACITY

ABRASIVE DISCS

3-1/2" (89 mm), 5" (127 mm) and 6" (152 mm) diameter

The Tradition of Random Orbital Sanding Excellence Continues

Non-Vacuum

- Includes low profile, premium urethane weight-mated sanding pad.
- Optional vacuum conversion kits available, to easily convert non-vacuum tool to self-generated vacuum tool or central vacuum tool (see page 155).

Pad Diameter Inch (mm)	3/16" Orbit Models	3/32" Orbit Models
3-1/2" (89 mm)	56800	56840
5" (127 mm)	56815	56850
6" (152 mm)	56826	56859



Model 56815

**See page 164 for
Dynabrade High Quality
Sanding Pads!**

Self-Generated Vacuum

- Includes low profile, premium urethane weight-mated sanding pad.
- Ready for connection to optional portable self-contained dust collection system (50617 shown; see page 156).

Pad Diameter Inch (mm)	3/16" Orbit Models	3/32" Orbit Models
3-1/2" (89 mm)	56803	56843
5" (127 mm)	56818	56853
6" (152 mm)	56829	56862



Model 56818

50617
(See page 156)

Central Vacuum

- Includes low profile, premium urethane weight-mated sanding pad.
- Has 1" outside diameter vacuum port, for easy connection to central vacuum system.

Pad Diameter Inch (mm)	3/16" Orbit Models	3/32" Orbit Models
3-1/2" (89 mm)	56804	56844
5" (127 mm)	56819	56854
6" (152 mm)	56830	56863



Model 56819



3/16" (5 mm) Dia. Orbit
For General Sanding

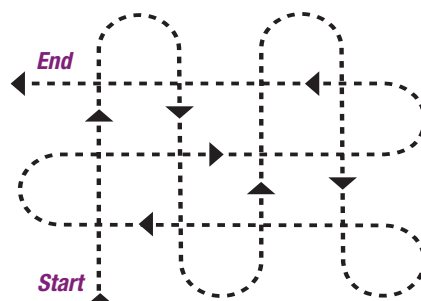


3/32" (2.5 mm) Dia. Orbit
For Ultra-Fine Sanding



For efficient random orbital sanding and uniform finish, move the tool in "north-to-south" pattern, then change to "east-to-west" pattern. Be sure to sand complete surface in each pattern.

Remember the rule of "start ON, stop OFF." Place the tool ON the work surface before starting it, and move running tool OFF the surface before stopping it. This will help to prevent unwanted swirl marks.



FASTTRACK

Two-Hand Dynorbital®

Air-Powered Random Orbital Sander

ABRASIVE CAPACITY

ABRASIVE DISCS

5" (127 mm), 6" (152 mm) and 8" (203 mm) diameter

For Comfortable, Controlled Two-Hand Operation

- Long handle provides excellent comfort and control, especially when working on vertical sides of workpiece.
- All models include premium urethane weight-mated sanding pad.

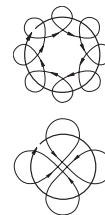
Non-Vacuum

- 5" and 6" models are 12,000 RPM. Pads have 5/16"-24 male spindle.
- 8" models are 10,000 RPM. Pads mount with 5 screws.

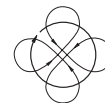
Pad Diameter Inch (mm)	3/16" Orbit Models	3/8" Orbit Models
5 (127)	58400	58415
6 (152)	58405	58418
8 (203)	58410	—



Model 58405



3/16" (5 mm) Dia. Orbit
For General Sanding



3/8" (10 mm) Dia. Orbit
For Aggressive Sanding

Self-Generated Vacuum

- Self-generated vacuum models are ready for connection to optional portable dust collection system (54218 shown, see page 156).
- Vacuum port accepts 1-1/4" diameter hose cuff for increased vacuum flow (no overskirt shroud is included).
- Not recommended for use with external or central vacuum system.

Pad Diameter Inch (mm)	3/16" Orbit Models	3/8" Orbit Models
5 (127)	58401	58416
6 (152)	58406	58419
8 (203)	58411	—



Model 58406

1-1/4" outside dia.
vacuum port.

54218
(See page 156)

Central Vacuum

- Ready for connection to external or central vacuum system.
- All models include combination lip seal/overskirt shroud, for enhanced vacuum capability and greater workpiece visibility.
- 6" diameter models include 1" outside diameter vacuum port.
- 8" diameter model includes 2" outside diameter vacuum port.

Pad Diameter Inch (mm)	3/16" Orbit Models	3/8" Orbit Models
6 (152)	58409	58420
8 (203)	58414	—



Model 58414

2" outside
diameter vacuum
port (58414 only).

Model Number	Motor hp (W)	Motor RPM	Pad Dia. Inch (mm)	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
58400/58415	.45 (336)	12,000	5 (127)	81 dB(A)	23 (651)	1/4 (6)	1/4" NPT	2.5 (1.2)	11-1/16 (280)	4-15/16 (126)
58401/58416	.45 (336)	12,000	5 (127)	84 dB(A)	23 (651)	1/4 (6)	1/4" NPT	2.5 (1.1)	11-1/16 (280)	4-15/16 (126)
58405/58418	.45 (336)	12,000	6 (152)	81 dB(A)	23 (651)	1/4 (6)	1/4" NPT	2.6 (1.2)	11-3/8 (288)	4-15/16 (126)
58406/58419	.45 (336)	12,000	6 (152)	83 dB(A)	23 (651)	1/4 (6)	1/4" NPT	2.5 (1.2)	11-3/8 (288)	4-15/16 (126)
58409/58420	.45 (336)	12,000	6 (152)	83 dB(A)	23 (651)	1/4 (6)	1/4" NPT	2.7 (1.2)	11-3/8 (288)	4-15/16 (126)
58410	.45 (336)	10,000	8 (203)	81 dB(A)	23 (651)	1/4 (6)	1/4" NPT	4.0 (1.8)	12-1/2 (319)	5-5/8 (142)
58411	.45 (336)	10,000	8 (203)	85 dB(A)	23 (651)	1/4 (6)	1/4" NPT	4.0 (1.8)	12-1/2 (319)	5-5/8 (142)
58414	.45 (336)	10,000	8 (203)	84 dB(A)	23 (651)	1/4 (6)	1/4" NPT	4.2 (1.9)	12-1/2 (319)	5-5/8 (142)

Additional Specifications: Air Pressure 90 PSIG (6.2 Bar) • Thread 5/16"-24 Female • 8" models mount with 5 screws

Tune-Up Kit: 5", 6" Models: **No. 98220** (page 192); 8" Models: **No. 98221** (page 192)



FASTTRACK

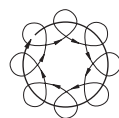
Two-Hand Dynorbital®

Air-Powered Random Orbital Sander

For Comfortable, Controlled Two-Hand Operation

Model 57101 Low Profile Model

- Unique low profile two-hand model is weight-mated to 5" diameter sanding pad.
- 56106 Non-Vacuum, vinyl-face pad included.
- Also includes convenient 97166 Hanger.
- A versatile, lightweight two-hand random orbital sander.



3/16" (5 mm) Dia. Orbit
For General Sanding



Model 57101

ABRASIVE
CAPACITY

ABRASIVE DISCS
5" (127 mm) diameter

Model Number	Motor hp (W)	Motor RPM	Orbit Dia. Inch (mm)	Pad Dia. Inch (mm)	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
57101	.2 (149)	12,000	3/16 (5)	5 (127)	79 dB(A)	28 (793)	3/8 (10)	1/4" NPT	2.1 (.98)	8-5/16 (211)	3-3/4 (96)

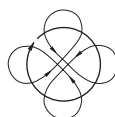
Tune-Up Kit: No. 96537 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar) • Thread 5/16"-24 Female

11" Diameter Dynorbital®

Air-Powered Random Orbital Sander

Large Diameter Sanders Cover More Area in Less Time

- Powerful .7 hp air motor (2,500 RPM) offers power and efficiency.
- Proportionate 3/4" dia. orbit in relation to pad size assures swirl-free finish on a variety of surfaces.
- Both models include 56231 Hook-Face Sanding Pad, for abrasive discs 11-1/4" in diameter. Pad is weight-mated to tool, further reducing tool vibration levels.
- Tools include reversible Side Handle (18553), which further adds to operator comfort.
- See page 59 for electric models.



3/4" (19 mm) Dia. Orbit
Achieve a Swirl-Free Finish



Model 58480

Model 58480 Non-Vacuum

- For use with optional non-vacuum abrasive discs. Abrasive disc covers pad holes, for non-vacuum use.



Model 58485

Model 58485 Central Vacuum

- For use with optional "O" style abrasive discs, which allow dust to be drawn up through pad holes.
- Vacuum shroud has 1-1/4" outside diameter port, for connection to external or central vacuum system.



58485

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Air Pressure PSIG (Bar)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
58480	.7 (522)	2,500	87 dB(A)	27 (765)	3/8 (10)	1/4" NPT	90 (6.2)	8.3 (3.7)	17 (432)	6 (152)
58485	.7 (522)	2,500	87 dB(A)	27 (765)	3/8 (10)	1/4" NPT	90 (6.2)	9.1 (4.1)	17 (432)	6 (152)

Tune-Up Kit: No. 98224 (page 192)



FASTTRACK

Palm-Style Mini-Dynorbital®

Air-Powered Random Orbital Sander

ABRASIVE
CAPACITY
ABRASIVE DISCS
 3/4" (19 mm) and
 1-1/2" (38 mm) diameter

Excellent for Dust Nib Repair on Clearcoat

- Random orbital action provides ultra-smooth finishes on wood and coated surfaces. Sanding head provides the "random action."
- Also excellent on metal and composites. Ideal for finesse sanding.
- Weighs only 1.7 lbs., for great operator comfort and control.

Model 57500 5,000 RPM

- Includes 54034 Sanding Head (accepts sanding pads with 1/4"-20 female thread).
- Includes 3/4" dia. pad (54017) and 1-1/4" dia. pad (54018) with sample micro-finishing film abrasive discs. Confines sanding to smallest possible area.



Model 57500

Model 57504 7,500 RPM

- Includes 54034 Sanding Head (accepts sanding pads with 1/4"-20 female thread).
- Includes 1/4" dia. pad (54018).

Right:
Mini-Dynorbital®
at work repairing
a dust nib on
clearcoat.

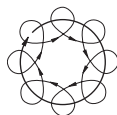


Model 57503

Model 57503 5,000 RPM

Model 57502 7,500 RPM

- Each model includes 54035 Sanding Head (accepts sanding pads with male locking-type threads such as 3M Roloc™).
- Includes 1-1/4" dia. Roloc™ Sanding Pad (54033).
- Model 57503 is used as part of Dynabrade "Two-Step" Polishing System, by automobile original equipment manufacturers (OEM's). See page 83.



3/16" (5 mm) Dia. Orbit
 (All models on page)



Model 57503

57501 Versatility Kit

- Includes: 57500 Mini-Dynorbital air tool; assortment of 3/4" and 1-1/4", 1/4"-20 female thread sanding pads for adhesive-backed and non-woven nylon discs; and an assortment of 3/4" and 1-1/4" coated silicon carbide and abrasive impregnated non-woven nylon discs.



Model 57501

Roloc is a registered trademark of 3M Company.

Model Number	Motor hp (W)	Motor RPM	Orbit Dia. Inch (mm)	Pad Dia. Inch (mm)	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
57500	.05 (37)	5,000	3/16 (5)	3/4 (19), 1-1/4 (32)	70 dB(A)	6 (170)	1/4 (6)	1/4" NPT	1.7 (0.8)	5 (127)	3-5/8 (92)
57502	.05 (37)	7,500	3/16 (5)	3/4 (19), 1-1/4 (32)	70 dB(A)	6 (170)	1/4 (6)	1/4" NPT	1.7 (0.8)	5 (127)	3-5/8 (92)
57503	.05 (37)	5,000	3/16 (5)	3/4 (19), 1-1/4 (32)	70 dB(A)	6 (170)	1/4 (6)	1/4" NPT	1.7 (0.8)	5 (127)	3-5/8 (92)
57504	.05 (37)	7,500	3/16 (5)	3/4 (19), 1-1/4 (32)	70 dB(A)	6 (170)	1/4 (6)	1/4" NPT	1.7 (0.8)	5 (127)	3-5/8 (92)

Tune-Up Kit: No. 96109 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar) • Tool Thread 1/4"-20 Male



FASTTRACK

Sanding Pads: Page 164 • Abrasive Discs: Page 215

7° Offset Mini-Dynorbital® Air-Powered Random Orbital Sander

ABRASIVE
CAPACITY

ABRASIVE DISCS

3/4" (19 mm) and
1-1/2" (38 mm) diameter

Excellent for Repairing Dust Nibs on Clearcoat

- Ideal for finesse sanding.
- Optional side handle available. Order 13141 Handle/Collar Assembly.

Model 51410 3,200 RPM

- Includes 54034 Sanding Head (accepts 3" and smaller diameter sanding pads with 1/4"-20 female thread).
- Includes 54018 Pad (1-1/4" diameter) "medium" density, with sample adhesive-backed 9-micron micro-finishing film discs. Pad has 1/4"-20 female thread which mounts to tool's sanding head.



Model 51410

Model 51411 3,200 RPM

Model 51412 5,000 RPM

- Includes 54035 Sanding Head (accepts 3" and smaller dia. sanding pads with male locking-type threads, such as 3M Roloc).
- Includes 54031 "soft" density, male locking-type pad, which accepts adhesive-backed micro-finishing film discs.



Model 51411

3/16" (5 mm) Dia. Orbit
(All models on page)

51415 Versatility Kit Four Tools In One!

- Two mini-random orbital sanders, 1/4" die grinder and 3-1/2" disc sander.
- Includes: 3,200 RPM air tool; 54034 and 54035 Random Orbital Sanding Heads; assortment of sanding pads for adhesive-backed discs, 50010 Collet, 50126 Backup Pad, assortment of abrasives and wrenches.



The 51415 Versatility Kit provides the flexibility of two mini-random orbital sanders, 1/4" die grinder and a 3-1/2" disc sander.



Roloc is a registered trademark of 3M Company.

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
51410	.4 (298)	3,200	79 dB(A)	24 (680)	1/4 (6)	1/4" NPT	3/8"-24 Male	1.8 (.8)	8 (203)	5-1/2 (140)
51411	.4 (298)	3,200	79 dB(A)	24 (680)	1/4 (6)	1/4" NPT	3/8"-24 Male	1.8 (.8)	8 (203)	5-1/2 (140)
51412	.4 (298)	5,000	79 dB(A)	24 (680)	1/4 (6)	1/4" NPT	3/8"-24 Male	1.8 (.8)	8 (203)	5-1/2 (140)

Tune-Up Kit: No. 96174 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



FASTTRACK

Sanding Pads: Page 164 • Abrasive Discs: Page 215

Angle-Head Mini-Dynorbital®

Air-Powered Random Orbital Sander

ABRASIVE
CAPACITY
ABRASIVE DISCS
 3/4" (19 mm) and
 1-1/2" (38 mm) diameter

Excellent for Repairing Dust Nibs on Clearcoat

- Built-in speed regulator, rear exhaust muffler, lever throttle.
- Sample 9-micron micro-finishing film discs are included.
- Optional 54585 Side Handle Assembly available.

Model 53400 3,200 RPM

- 54028 Random Orbital Sanding Head accepts sanding pads with 1/4"-20 female thread.
- Includes 1-1/4" dia. medium density pad (54018), which has 1/4"-20 female thread and mounts to sanding head.

Model 53401 3,200 RPM

- 54029 Random Orbital Sanding Head accepts male locking-type Roloc™ pads.
- Includes 1-1/4" dia. soft density locking-type pad (54031), which has male locking-type thread and mounts to sanding head.



Model 53400



Model 53400



**3/16" (5 mm)
Dia. Orbit**
 (All models on page)

Angle-Head Mini-Dynorbital® can be used
 with Dynabrade Sanding Creme and Glaze.

53402 Angle-Head Versatility Kit

- Includes: 3,200 RPM air tool (not shown), 54028 Random Orbital Sanding Head, 54018 Sanding Pad, 54029 Random Orbital Sanding Head, 54031 Sanding Pad, 50107 Sanding Pad, 54021 Adapter, sample 2" dia. sanding discs, 54030 Locking-Type Rotary Sanding Head, 50055 Collet (1/4").
- Not shown: Abrasives – 3/4" and 1-1/4" dia. 9-micron (1000-grit) micro-finishing film discs; assorted wrenches.
- Tool also accepts 1/4"-28 threaded drill bits (not included).



53403 Sander/Buffer Versatility Kit

- Includes: 3,200 RPM air tool, 54028 Random Orbital Sanding Head, 50120 Hook 'n Loop Pad for Bonnets, 54018 Sanding Pad, 54021 Adapter, 90028 Wool Bonnet, assorted wrenches, 90027 Terry Cloth Bonnet, 95723 Finesse Sanding Creme, 95727 Dynabrade Glaze, 54017 Sanding Pad and sample abrasives.



Dynamswivel® air line connector is ideal for use with most air tools. The Dynamswivel® improves tool maneuverability, minimizes operator fatigue and extends hose life. (See page 163.)



Model 53403

Roloc is a registered trademark of 3M Company.

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
53400	.4 (298)	3,200	83 dB(A)	21 (595)	1/4 (6)	1/4" NPT	1/4"-28 Female	1.9 (.9)	10-7/8 (276)	2-3/4 (70)
53401	.4 (298)	3,200	83 dB(A)	21 (651)	1/4 (6)	1/4" NPT	1/4"-28 Male	1.9 (.9)	10-7/8 (276)	2-3/4 (70)

Tune-Up Kit: No. 96333 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



FASTTRACK

Sanding Pads: Page 164 • Abrasive Discs: Page 215

Right Angle Mini-Dynorbital® Air-Powered Random Orbital Sander

ABRASIVE CAPACITY

ABRASIVE DISCS
3/4" (19 mm) and
1-1/2" (38 mm) diameter

Ideal for Simple Spot Repair on Painted Surfaces

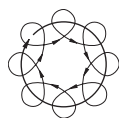
- Built-in speed regulator, rear exhaust muffler, lever throttle.
- Heavy duty gear head.
- Includes sample 9-micron micro-finishing film discs.
- Optional 54585 Side Handle Assembly available.

Model 53415 3,200 RPM

- Includes 54029 Sanding Head (accepts 3" and smaller dia. sanding pads with male locking-type threads such as 3M Roloc).
- Includes 54031 soft density male locking-type pad, which accepts adhesive-backed micro-finishing film discs.

Model 53417 3,200 RPM

- 54028 Random Orbital Sanding Head accepts sanding pads with 1/4"-20 female thread.
- Includes 1-1/4" dia. medium density locking-type pad (54018), which has 1/4"-20 female thread which mounts to sanding head.



3/16" (5 mm) Dia. Orbit
(All models on page)



Model 53415



Model 53415

53465 Sander/Buffer Versatility Kit

- All that is needed for quick, simple spot repair on a variety of surfaces.
- Includes: Model 53417 Air Tool (3,200 RPM) with 54028 Random Orbital Sanding Head; 54021 Adapter (1/4"-28 to 1/4"-20 male); 54017 Vinyl Sanding Pad (3/4" dia.) 54018 Vinyl Sanding Pad (1-1/4" dia.); 50120 Hook-Face Pad (3" dia.); 90027 Terry Cloth Bonnet (3" dia.); 90028 Wool Buffing Pad (3" dia.); 95727 Dynabrade Glaze; 95723 Finesse Sanding Creme; 95848 Gear Oil; 95542 Grease; two 95541 Grease Guns; 95262 Wrench (14 mm); 95281 Wrench (19 mm); and sample abrasives.



Dynaswivel® air line connector is ideal for use with most air tools. The Dynaswivel® improves tool maneuverability, minimizes operator fatigue and extends hose life. (See page 163.)



Model
53465

Roloc is a registered trademark of 3M Company.

Model Number	Motor hp (W)	Motor RPM	Sound Level	Maximum Air Flow SCFM (LPM)	Hose I.D. Size Inch (mm)	Air Inlet Thread	Tool Thread	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
53415	.4 (298)	3,200	84 dB(A)	21 (595)	1/4 (6)	1/4" NPT	1/4"-28 Male	1.9 (.9)	7 (289)	2-3/4 (70)
53417	.4 (298)	3,200	84 dB(A)	21 (595)	1/4 (6)	1/4" NPT	1/4"-28 Male	1.9 (.9)	7 (289)	2-3/4 (70)

Tune-Up Kit: No. 96333 (page 192) • Additional Specifications: Air Pressure 90 PSIG (6.2 Bar)



FASTTRACK

Sanding Pads: Page 164 • Abrasive Discs: Page 215

Electric Dynorbital®

120 Volt Electric-Powered Random Orbital Sander

ABRASIVE
CAPACITY

ABRASIVE DISCS

5" (127 mm) and 6" (152 mm)
diameter

Ready for Connection to Central Vacuum System

- Central Vacuum models have 1-1/4" outside diameter vacuum port for easy connection to central vacuum system.
- All models include a vacuum shroud that becomes operational when vacuum style pad (included) is mounted.
- Double-insulated electric motor with 8 ft. cord connects to standard 120 volt outlet.
- Repositionable side handle for left or right hand operation.



5" Diameter Models, Central Vacuum

Model 59306 3/8" Dia. Orbit

- Includes 56104 Vinyl-Face Vacuum Pad.

Model 59307 3/16" Dia. Orbit

- Includes 56104 Vinyl-Face Vacuum Pad.

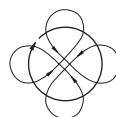
6" Diameter Models, Central Vacuum

Model 59308 3/8" Dia. Orbit

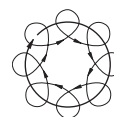
- Includes 56105 Vinyl-Face Vacuum Pad.

Model 59309 3/16" Dia. Orbit

- Includes 56105 Vinyl-Face Vacuum Pad.



3/8" (10 mm) Dia. Orbit
For Aggressive Sanding



3/16" (5 mm) Dia. Orbit
For General Sanding



For efficient random orbital sanding and uniform finish, move the tool in "north-to-south" pattern, then change to "east-to-west" pattern. Be sure to sand complete surface in each pattern.

Remember the rule of "start ON, stop OFF." Place the tool ON the work surface before starting it, and move running tool OFF the surface before stopping it. This will help to prevent unwanted swirl marks.



Model Number	Motor hp (W)	Motor RPM	Pad Diameter Inch (mm)	Voltage	Current	Phase	Frequency	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
59306	.8 (596)	11,600	5 (127)	120 V (AC)	6.8 Amps	1	60 Hz	5 (2.3)	12 (305)	5-1/2 (140)
59307	.8 (596)	11,600	6 (152)	120 V (AC)	6.8 Amps	1	60 Hz	5 (2.3)	12 (305)	5-1/2 (140)
59308	.8 (596)	11,600	5 (127)	120 V (AC)	6.8 Amps	1	60 Hz	5 (2.3)	12-1/2 (318)	5-1/2 (140)
59309	.8 (596)	11,600	6 (152)	120 V (AC)	6.8 Amps	1	60 Hz	5 (2.3)	12-1/2 (318)	5-1/2 (140)

Tune-Up Kit: No. 42735 (page 192) • Additional Specifications: Tool Thread 5/16"-24 Male



FASTTRACK

Sanding Pads: Page 164 • Abrasive Discs: Page 215

11" Dia. Electric Dynorbital®

120 Volt Electric-Powered Random Orbital Sander

ABRASIVE CAPACITY	ABRASIVE DISCS
	11-1/4" (286 mm) diameter

Large Diameter Sanders Cover More Area in Less Time

- Proportionate 3/4" dia. orbit in relation to pad size assures swirl-free finish on a variety of surfaces.
- All models include 56231 Hook-Face Sanding Pad, for abrasive discs 11-1/4" in diameter. Pad is weight-mated to tool, further reducing tool vibration levels.
- Variable speed dialing for quick and easy RPM adjustments.
- Variable speed trigger allows feather-touch adjustment of tool speed.
- "Lock in" desired speed with Lock Set Button.
- Easy brush replacement for quick on-site maintenance.
- Double-insulated housing for protection against electric shock.
- Tools include reversible Side Handle (18553), which adds to operator comfort.

Model 51612 *Non-Vacuum*

- For use with optional non-vacuum abrasive discs. Abrasive disc covers pad holes, for non-vacuum use.

120 V (AC)



Model 51612

Above: 11" Diameter Electric Dynorbital® covers large areas on solid surface materials.



Model 51612

Model 51613 *Central Vacuum*

- For use with optional "O" style abrasive discs, which allow dust to be drawn up through pad holes.
- Vacuum shroud has 1-1/4" (32 mm) outside diameter port, for connection to external (central) vacuum system.



3/4" (19 mm) Dia. Orbit
(All models on page)



For efficient random orbital sanding and uniform finish, move the tool in "north-to-south" pattern, then change to "east-to-west" pattern. Be sure to sand complete surface in each pattern.

Remember the rule of "start ON, stop OFF." Place the tool ON the work surface before starting it, and move running tool OFF the surface before stopping it. This will help to prevent unwanted swirl marks.



Model 51613

Above: Central Vacuum tool offers efficient collection of dust and debris.



Model 51613

120 V (AC)

Model Number	Motor RPM	Pad Dia. Inch (mm)	Sound Level	Voltage	Current	Phase	Frequency	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)
51612	0 - 3,000	11 (279)	88 dB(A)	120 V (AC)	9 Amp.	1	60 Hz	11.3 (50)	21 (531)	7-5/16 (186)
51613	0 - 3,000	11 (279)	88 dB(A)	120 V (AC)	9 Amp.	1	60 Hz	12.5 (56)	21-1/2 (547)	7-5/16 (186)



FASTTRACK