

Air Sanders and Polishers

The most complete line of air finishing tools. Ingersoll Rand finishing tools are designed for long-life and swirl-free finishes.

Orbital Sanders

All of the latest advances have been designed into Ingersoll Rand's random orbital and orbital series sanders. Every detail is shaped to fit your hand perfectly and the lever throttle takes pressure off of your palm. You get the power and precision you need so you can do your best, most sophisticated work.

Sanders and Polishers

Choose from a variety of surface preparation tools including orbital and air geared sanders, straight line, angle or vertical sanders and heavy duty polishers.



AIR RANDOM ORBITAL SANDERS



4151-HL

150 mm Random Orbital Sander 5 mm orbit ★★ ★★

This vacuum-ready, low vibration model produces an ultra-high quality finish and connects easily to central or portable vacuum systems. The 4151-HL extracts dust and particles through and around the pad keeping foreign matter away from the motor. Virtually all dust is instantly channeled away from the work.

- 12 000 rpm, 0.15 kW (0.2 hp) motor for high performance finishing.
- Vacuum-ready, connects easily to central or portable vacuum systems through a 360° swivel.
- Counterweight system for low vibration operation. Delivers a smooth, swirl free finish.
- Advanced composite rotor and vanes – Non-lube, oil-free operation.
- Durable and comfortable composite housing – Lightweight design, only 0.86 kg (1.89 lb).
- 360° swivel rear exhaust directs air away from operator.



4151-HL-2

150 mm Random Orbital Two-Hand Sander ★★ ★★

- Same as model 4151-HL but with a long handle. The 4151-HL-2 is ideal for applications requiring the use of both hands. It gives an improved comfort, particularly when used in a vertical position.



4152-HL

150 mm Random Orbital Sander 2.5 mm Orbit ★★ ★★

- Same as model 4151-HL but with 2.5 mm orbit for highest quality finishing applications.



4152-HL-SR "Spot Repair" Sander

2.5 mm orbit ★★ ★★

- Same features as model 4151-HL but with 2.5 mm orbit and 75 mm pad.



311A 150 mm Dual Action Sander ★★

- 10000 rpm, 0.2 kW (0.25 hp) motor for high performance finishing.
- 150 mm / 6" pad.
- 5 mm orbit.
- Built-in power regulator.
- Balanced ball bearing construction.



Specifications at 6.2 bar (90 psi)

	4151-HL	4151-HL-2	4152-HL	4152-HL-SR	311A
Ordering number	01371624	22041198	80134356	16674301	01365253
Rated power (hp • kW)	0.2 • 0.15	0.2 • 0.15	0.2 • 0.15	0.2 • 0.15	0.25 • 0.2
Pad diameter (in • mm)	6 • 152	6 • 152	6 • 152	6 • 152	6 • 152
Maximum free speed (rpm)	12 000	12 000	12 000	12 000	10 000
Orbital stroke (mm)	5	5	2.5	2.5	5
Tool weight (kg)	0.86	1.12	0.86	0.84	1.90
Overall length with pad (mm)	190	252	190	155	248
Air inlet diameter (in/NPTF)	1/4	1/4	1/4	1/4	1/4
Minimum hose size diameter (mm)	8	8	8	8	10
Average air consumption (cfm • l/min)	8 • 226	8 • 226	8 • 226	8 • 226	4 • 113
Air consumption at load (cfm • l/min)	15.5 • 430	15.5 • 430	15.5 • 430	15.5 • 430	17 • 481
Sound pressure (dbA)	81.6	81.6	81.6	81.6	84.3
Vibration level (m/s ²)	4.7	4.7	4.8	NA	6.3

AIR SANDERS

312A Orbital Sander ★★★

- 8000 rpm, 0.22 kW (0.3 hp) motor.
- 93 x 171 mm pad size (3-2/3" x 6-3/4").
- Balanced ball bearing construction.



313A 178 mm Angle Sander ★★★

- 5000 rpm, 0.4 kW (0.5 hp) heavy-duty motor.
- Ball bearing construction for long life
- 178 mm (7") backing pad – also suitable for 200 mm (8") pad.



315-EU Twin-piston Straight Line Sander ★★★

The twin-piston design keeps extra power in reserve to prevent stalling and tackle sanding jobs like smoothing down body filler or shaping and leveling large, flat surfaces.

- 3000 reciprocating strokes per minute.
- Quick-action paper clamps.
- 70 x 445 mm pad size.
- Replacement rubber pad, ordering no. 315-39.

317A High Speed Sander ★★★

- 18000 rpm.
- 0.35 kW (0.45 hp) motor
- Easy to handle, compact, and lightweight.
- Built-in regulator.
- Supplied with 75, 100 and 127 mm diameter pads.
- Set of 3 replacement pads, ordering no. 317-825.



319A 178 mm Vertical Sander ★★★

- 5000 rpm, 0.6 kW (0.75 hp) heavy-duty motor.
- Planetary gear reduction for long life.
- 178 mm / 7" backing pad. Also suitable for 200 mm (8") pad.



Specifications at 6.2 bar (90 psi)

	312A	313A	315-EU	317A	319A
Ordering number	80147101	80141021	01343961	80090863	80141054
Rated power (hp • kW)	0.30 • 0.22	0.50 • 0.4	NA	0.45 • 0.35	0.75 • 0.6
Pad diameter or size (in)	3-2/3 x 6-3/4	7	2-3/4 x 17-1/2	5	7
Pad diameter or size (mm)	93 x 171	178	70 x 445	127	178
Maximum free speed (rpm)	8000	5000	3000 (1)	18000	5000
Tool weight (kg)	2.09	1.90	3.0	1.05	2.05
Overall length (mm)	—	406	445	112	203
Spindle size (in)	—	5/8-11	—	—	5/8-11
Air inlet diameter (in/NPTF)	1/4	1/4	1/4	1/4	1/4
Minimum hose size diameter (mm)	10	10	10	10	10
Average air consumption (cfm • l/min)	9 • 255	8 • 226	8 • 226	12 • 340	6 • 170
Air consumption at load (cfm • l/min)	12 • 340	23 • 651	9 • 255	25 • 708	20 • 566
Sound pressure (dbA)	86.0	88.0	84.7	86.7	85.0
Vibration level (m/s ²)	1.5	2.3	13.7	1.2	1.1

(1) Strokes per minute, stroke length 25 mm.

AIR POLISHERS – SANDER ACCESSORIES

314A

178 mm Angle Polisher ★★

- 0.4 kW (0.5 hp) heavy-duty motor.
- 2500 rpm free speed.
- Ball bearing construction.
- 178 mm (7") backing pad.
- Optional lambswool bonnet, part number P500-850.
- Also suitable for 200 mm (8") pad (pad ordering no. 6135A).



Specifications at 6.2 bar (90 psi)

	314A	318A
Ordering number	80141039	80141047
Rated power (hp • kW)	0.50 • 0.40	0.75 • 0.60
Pad diameter or size (in • mm)	7 • 178	7 • 178
Maximum free speed (rpm)	2500	2800
Tool weight (kg)	1.90	2.05
Overall length (mm)	406	203
Spindle size (in)	5/8-11	5/8-11
Air inlet diameter (in/NPTF)	1/4	1/4
Minimum hose size diameter (mm)	10	10
Average air cons. (cfm • l/min)	8 • 226	6 • 170
Air cons. at load (cfm • l/min)	22 • 623	21 • 590
Sound pressure (dB(A))	87.0	85.0
Vibration level (m/s ²)	2.2	1.8

318A

178 mm Vertical Polisher ★★

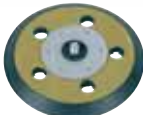
- 0.6 kW (0.75 hp) heavy-duty motor.
- 2800 rpm free speed.
- 178 mm (7") backing pad.
- Planetary gear reduction for long life.
- Exhaust through auxiliary handle.
- Optional lambswool bonnet, part number P500-850.
- Also suitable for 200 mm (8") pad (pad ordering no. 6135A).



Sanding and Polishing Pads



010056



49099-1



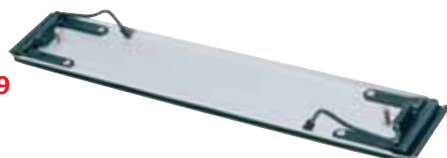
6130A

Pad Ø mm (in)	4151-HL 4152-HL	311A	313A 318A	314A 319A
Non-vacuum / Vinyl Surface				
127 (5")	49094-1	—	—	—
152 (6")	49879-1	311A-825-6	—	—
178 (7")	—	—	313-825-7 (1) 6130A (2) D94SK-228A (3)	—
200 (8")	—	—	6135A (4)	—
Vacuum / Velcro Surface				
75 (3")	010056	—	—	—
152 (6")	49694	—	—	—
Vacuum / Vinyl Surface				
127 (5")	49096-1	—	—	—
152 (6")	49099-1	—	—	—

(1) Standard duty, rigid pad (2) Heavy duty, flexible pad – (3) Rubber pad – (4) Polyester foam pad, for polishing only.

Replacement Rubber Pad for 315A

70 x 445 mm
(2-3/4" x 17-1/2"),
ordering no. **315-39**



Jet-Vac Conversion Kit:

The most powerful and effective self generating vacuum. A unique "double bagging" integral vacuum system which provide a cleaner work environment. Uses a disposable dust bag enclosed in a protective cover. Ordering no. **4151JV**

Disposable dust collection bags:

- Pack of 20, ordering no. **49988**
- Pack of 250, ordering no. **49987**



3 sizes of interchangeable rubber grip rings to fit all hand sizes:

For models 4151-HL, 4151-HL-2, 4152-HL and 4152-HL-SR

Small diameter, grey: ordering no. **49801**
Medium diameter, black: ordering no. **49798**
Large diameter, blue: ordering no. **49799**
Kit of 3 rings: ordering no. **49840**

