

## Sanders/Polishers/Buffers



Reflecting the rapidly changing demands of industrial finishing, sanders, polishers and buffers have emerged as key segments. Constant process improvements throughout industry now result in less waste on castings and molded parts, shifting emphasis from material removal to surface finishing. The Ingersoll-Rand line of sanders, buffers and polishers includes models based on the popular Cyclone tools, as well as configurations from the larger, heavier-duty ErgoPro and Pro Series tool offerings. All give you the ability to match capacity and attachments precisely to the workpiece and material, for finessing a high-quality finish.

Ingersoll-Rand offers two distinct lines of Sanders/Polishers/Buffers in an effort to match all levels of finishing applications. From the smaller Cyclone Series, to the heavy-duty ErgoPro and Pro Series offerings, there is a tool to match all surface preparation and material fabrication applications. Like other finishing tools IR offers, these sanders/polishers/buffers have the same user-friendly, safety-oriented features that make them the benchmark against which all competitive tools are judged.

# Sanders/Polishers/Buffers



The design of Ingersoll-Rand's Sanders/Polishers/Buffers reflects the industry-wide changes in both processes and materials.

## CycloFinish Sanders/Polishers/Buffers

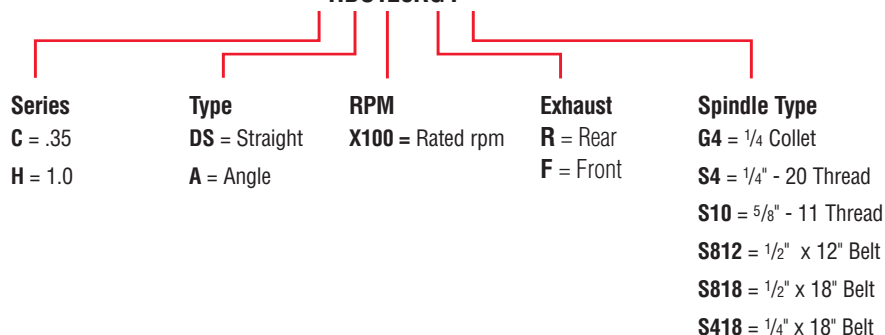
CycloFinish Sanders, Polishers, and Buffers have been developed as part of the Cyclone finishing tool line for specific use in surface preparation and final finishing applications. The CycloFinish tools — offered in both angle and straight configurations — are lower-speed versions of the highly successful Cyclone Series. They are based on the .70 and 1.0 horsepower T and H series, with a variety of speed offerings and accessories for sanding, polishing, blending and smoothing opera-

tions. The CycloFinish models are multi-purpose accessory tools used in aerospace, shipbuilding, utilities, woodworking and furniture production, vehicle and marine assembly, and general maintenance.

Like all Cyclone Series finishing tools, the CycloFinish line has fewer internal parts than other competitive products in the category. The patented “drop-in” motor requires no alignment or shims. Vanes can be removed or replaced quickly. This innovative design reduces the expense of down-time, repair, and replacement parts.

### Product Identification Guide

#### TYPICAL MODEL HDS120RG4



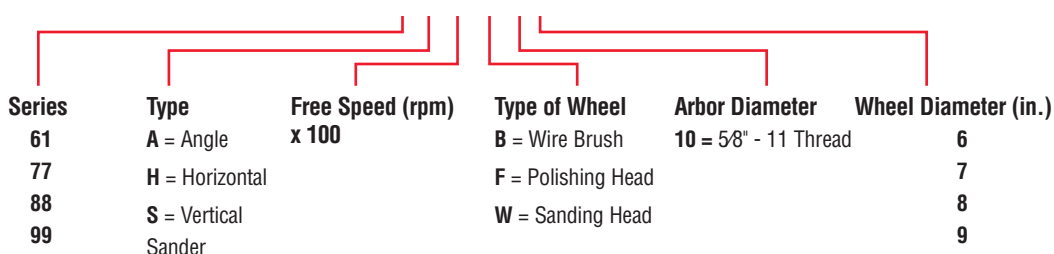
## ErgoPro and Pro Series Sanders/Polishers/Buffers

Designed for applications involving larger areas and heavier-duty materials, ErgoPro and Pro Series sanders, polish-

ers and buffers range from .80 to 2.0 horsepower, in straight, angle and vertical configurations. They incorporate many of the same unique features as their counterpart grinder models.

### Product Identification Guide

#### TYPICAL MODEL 77H30B106



# Sanders/Polishers/Buffers CycloFinish Tools



## Standard Equipment

### Collet Models

- Erickson collet
- Collet wrenches H models
- Ergo handle

## Accessories

### C Series

- Rear exhaust kit LG1-K284
- Low-profile concentric flange LG1-23R
- Safety locking lever LG1-A400
- Variable-speed regulator LG1-A1015
- Color-coded abrasive kits
- 2" Pad LG1-K2
- 3" Pad LG1-K3

### H Series

- Wire brush adapter LS2-A4-B10 straight
- Rear exhaust kit LG2-K284
- Safety locking lever LG2-A400
- Low-profile concentric flange LG3R-23
- 77A-AM825-5 5" medium pad
- 77A-AM825-7 7" medium pad
- 77A-BM825-7 7" firm pad

G4 = 1/4" Collet  
S10 = 5/8" Arbor

Model (Rear Exhaust)	Maximum Free Speed rpm	Standard Spindle	Overall Length in.	Weight lb.	Side to Center Distance in.	CFM
<b>Straight Tools</b>						
HDS90RG4	9,000	1/4" collet	13 <sup>3</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>16</sub>	43
HDS60RG4	6,000	1/4" collet	13 <sup>3</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>16</sub>	43
HDS45RG4	4,500	1/4" collet	12 <sup>7</sup> / <sub>8</sub>	3 <sup>13</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>	43
HDS30RG4	3,000	1/4" collet	12 <sup>7</sup> / <sub>8</sub>	3 <sup>13</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>	43
HDS10RG4	1,000	1/4" collet	13 <sup>3</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>16</sub>	43
<b>Angle Tools</b>						
CA120RS4	12,000	1/4" - 20	6 <sup>1</sup> / <sub>16</sub>	1 <sup>5</sup> / <sub>16</sub>	3/4	12
CA200RS4	20,000	1/4" - 20	6 <sup>1</sup> / <sub>16</sub>	1 <sup>5</sup> / <sub>16</sub>	3/4	14
<b>Sanders</b>						
HXA19RS10	1,900	5/8" - 11	13 <sup>3</sup> / <sub>8</sub>	4 <sup>9</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>	43
HXA27RS10	2,700	5/8" - 11	13 <sup>3</sup> / <sub>8</sub>	4 <sup>9</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>	43
HA40RSG4	4,000	1/4" collet	8 <sup>3</sup> / <sub>16</sub>	2 <sup>5</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>16</sub>	43
HA40RS10	4,000	5/8" - 11	8 <sup>3</sup> / <sub>16</sub>	2 <sup>5</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>16</sub>	43
HA50RS10	5,000	5/8" - 11	8 <sup>3</sup> / <sub>16</sub>	2 <sup>5</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>16</sub>	43
HA60RSG4	6,000	1/4" collet	8 <sup>3</sup> / <sub>16</sub>	2 <sup>5</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>16</sub>	43
HA60RS10	6,000	5/8" - 11	8 <sup>3</sup> / <sub>16</sub>	2 <sup>5</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>16</sub>	43
HXA60RS10	6,000	5/8" - 11	11 <sup>3</sup> / <sub>16</sub>	3 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>	43
HA80RS10	8,000	5/8" - 11	8 <sup>3</sup> / <sub>16</sub>	2 <sup>5</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>16</sub>	43
HXA80RS10	8,000	5/8" - 11	11 <sup>3</sup> / <sub>16</sub>	3 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>	43
HA100RS10	10,000	5/8" - 11	8 <sup>3</sup> / <sub>16</sub>	2 <sup>5</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>16</sub>	43
HXA100RS10	10,000	5/8" - 11	11 <sup>3</sup> / <sub>16</sub>	3 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>	43
HA120RS10	12,000	5/8" - 11	8 <sup>3</sup> / <sub>16</sub>	2 <sup>5</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>16</sub>	43
HXA120RS10	12,000	5/8" - 11	11 <sup>3</sup> / <sub>16</sub>	3 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>	43
HA140RS10	14,000	5/8" - 11	8 <sup>3</sup> / <sub>16</sub>	2 <sup>5</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>16</sub>	43

Air Inlet: 1/4" NPT.

Size Hose Recommended: 3/8".

Performance figures are at 90 psi air pressure.

Sound levels range 76-82 dBA.

All models are easily switched to rear or front exhaust.

\* Shown with LS2-A4-B10 adapter and pump wheel.

\* Pump wheel sold separately.

# Sanders/Polishers/Buffers

## Belt Sanders

### CycloFinish Tools

#### Standard Equipment

- One 60 grit belt
- One 80 grit belt
- One 100 grit belt



CA120RS812  
(Shown without standard shield)

#### Accessories

- LG1-K284 Rear Exhaust Kit
- DG110-700-G2 (C) Erickson Collet 1/8"
- LG1-A350-812 1/2" x 12" Belt sander attachment
- LG1-A350-818 1/2" x 18" Belt sander attachment
- LG1-A350-418 1/4" x 18" Belt sander attachment

Attachments may be mounted on either a CA120RG4 or CA200RG4 Cyclone tool.

#### Sanding Belts/10 pack

- LG1-SB418-60-10, 60 grit 1/4" x 18" belt
- LG1-SB418-80-10, 80 grit 1/4" x 18" belt
- LG1-SB418-100-10, 100 grit 1/4" x 18" belt
- LG1-SB818-60-10, 60 grit 1/2" x 18" belt
- LG1-SB818-80-10, 80 grit 1/2" x 18" belt
- LG1-SB818-100-10, 100 grit 1/2" x 18" belt
- LG1-SB812-60-10, 60 grit 1/2" x 12" belt
- LG1-SB812-80-10, 80 grit 1/2" x 12" belt
- LG1-SB812-100-10, 100 grit 1/2" x 12" belt

Note - Surface feet per minute at 12,000 rpm = 2700  
Surface feet per minute at 20,000 rpm = 4500

Model	Rated Power hp	Maximum Free Speed rpm	Standard Spindle	Length with Belt Attachment	Weight lb.	Belt Size	CFM
CA120RS812	.35	12,000	1/4" collet	10 <sup>3</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>2</sub>	1/2 x 12"	12
CA120RS418	.35	12,000	1/4" collet	14"	1 <sup>5</sup> / <sub>8</sub>	1/4 x 18"	12
CA120RS818	.35	12,000	1/4" collet	14"	1 <sup>3</sup> / <sub>4</sub>	1/2 x 18"	12
CA200RS812	.35	20,000	1/4" collet	10 <sup>3</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>2</sub>	1/2 x 12"	14
CA200RS418	.35	20,000	1/4" collet	14"	1 <sup>5</sup> / <sub>8</sub>	1/4 x 18"	14
CA200RS818	.35	20,000	1/4" collet	14"	1 <sup>3</sup> / <sub>4</sub>	1/2 x 18"	14

Air Inlet: All Models 1/4" NPT.

Size Hose Recommended: All Models 5/16".

Performance figures are at 90 psi air pressure.

Sound levels range 76-82 dBA.

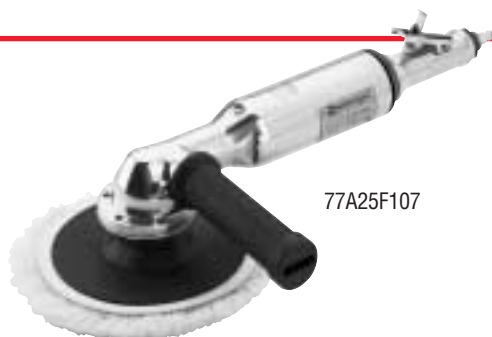
To order your CycloFinish tool preset for front exhaust, refer to model numbers above and substitute F for R.

## Angle Tools

### ErgoPro Series

Features state-of-the-art vibration dampening technologies!

See page 110 for more details.



77A25F107

#### Standard Equipment

- Back up pads with nut  
77A-BM825-7 7" Firm (F107)  
77A-AM825-9 9" Medium (W109)
- P500-850 polishing bonnet (Model 77A25F107 only)

#### Accessories

- 77A-AM825-5 5" medium pad
- 77A-AM825-7 7" medium pad
- AG230-26M spanner

F107 = 5/8" -11 Spindle, 7" Polishing Bonnet

W107 = 5/8" -11 Spindle, 7" Back Up Pad

W109 = 5/8" -11 Spindle, 9" Back Up Pad

Model	Vibration m/s <sup>2</sup>	Rated Power hp	Free Speed rpm	Weight lb.	Length in.	Height Over End of Spindle in.	Side to Center Distance in.	CFM
77A25F107	3.4	1.5	2500	8 <sup>3</sup> / <sub>8</sub>	17 <sup>9</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>34</sub>	1 <sup>5</sup> / <sub>16</sub>	37
77A45W109	1.5	1.5	4500	7 <sup>13</sup> / <sub>16</sub>	17 <sup>9</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>34</sub>	1 <sup>5</sup> / <sub>16</sub>	37
77A60W107	1.2	1.5	6000	7 <sup>3</sup> / <sub>16</sub>	17 <sup>9</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>34</sub>	1 <sup>5</sup> / <sub>16</sub>	39

Air Inlet: All Models 3/8" NPT.

Performance figures are at 90 psi air pressure.

Size Hose Recommended: All Models 1/2".

# Sanders / Polishers / Buffers

## Vertical Tools

### ErgoPro Series



88S60W107

W107 = 5/8" -11 Spindle, 7" Back Up Pad

W109 = 5/8" -11 Spindle, 9" Back Up Pad

#### Standard Equipment

- Back-up pads  
77A-AM825-7  
7" Medium pad  
77A-AM825-9  
9" Pad

#### Accessories

- Comfort grips  
CG-88V, CG99V
- 77A-BM825-7  
7" firm pad
- AG230-26M spanner  
AG230-26M spanner  
wrench
- Piped-away exhaust  
Kits 88V60-K184,  
99V60-K184

Model	Vibration m/s <sup>2</sup>	Rated Power hp	Free Speed rpm	Weight lb.	Height Over End of Arbor in.	Side to Center Distance at Spindle in.	CFM
88S45W109	1.0	1.8	4,500	7 <sup>1</sup> / <sub>8</sub>	6	2 <sup>1</sup> / <sub>8</sub>	50
88S60W107	1.0	2.0	6,000	7 <sup>1</sup> / <sub>8</sub>	6	2 <sup>1</sup> / <sub>8</sub>	61
99S45W109	0.6	2.5	4,500	9 <sup>1</sup> / <sub>2</sub>	6 <sup>1</sup> / <sub>4</sub>	2 <sup>15</sup> / <sub>16</sub>	70
99S60W107	0.9	3.0	6,000	9 <sup>1</sup> / <sub>2</sub>	6 <sup>1</sup> / <sub>4</sub>	2 <sup>15</sup> / <sub>16</sub>	84

Air Inlet: Both Models 1/2" NPT. Size Hose Recommended: Both Models 3/4". Performance figures are at 90 psi air pressure.

### Pro Series



7S60L

P = 5/8" - 11 Spindle, 7" Polishing Bonnet

S = 5/8" - 11 Spindle, 7" Back Up Pad

#### Standard Equipment

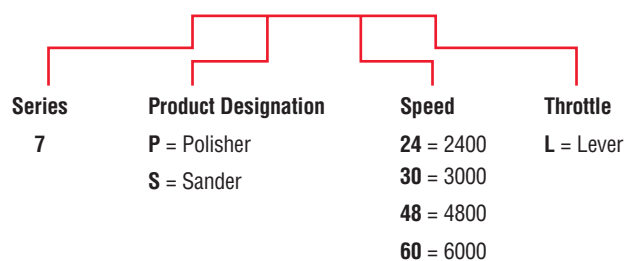
- 77A-8M825-7  
Back-up pad
- P500-850  
Polishing bonnet  
(Model 7P24L only)

Model	Rated Power hp	Free Speed rpm	Weight without Pad lb.	Height Over End of Arbor in.	Side to Center Distance in.	CFM
7P24L	.80	2,400	3 <sup>1</sup> / <sub>4</sub>	6 <sup>3</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>8</sub>	22
7S30L	.80	3,000	3 <sup>1</sup> / <sub>4</sub>	6 <sup>3</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>8</sub>	22
7S48L	.80	4,800	3 <sup>1</sup> / <sub>4</sub>	6 <sup>3</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>8</sub>	22
7S60L	.80	6,000	3 <sup>1</sup> / <sub>4</sub>	6 <sup>3</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>8</sub>	22

Air Inlet: All Models 1/4" NPT. Size Hose Recommended: All Models 5/16". Performance figures are at 90 psi air pressure.

### Product Identification Guide

#### TYPICAL MODEL 7S60L



# Sanders / Polishers / Buffers

## Straight Tools

### Pro Series



77H30B106

#### Standard Equipment

- Wheel flanges and nut

#### Accessories

- 7RAQT4-254  
Wheel bearing nut wrench 1"
- 7S60-24818  
Wire brush nut wrench

B106 = 58"-11 x 2" Spindle (for Flap Wheels, Wire Brushes, etc.)

Spindle is 2 3/4" Long

Threads are 2" Long

Model	Rated Power hp	Free Speed rpm	Weight lb.	Length in.	Side to Center Distance at Spindle in.	CFM
77H30B106	1.5	3,000	7 <sup>5</sup> / <sub>16</sub>	17 <sup>11</sup> / <sub>16</sub>	1 <sup>5</sup> / <sub>16</sub>	37
77H50B106	1.5	5,000	7 <sup>5</sup> / <sub>16</sub>	17 <sup>11</sup> / <sub>16</sub>	1 <sup>5</sup> / <sub>16</sub>	39

Air Inlet: Both Models 3/8" NPT.

Size Hose Recommended: Both Models 1/2".

Performance figures are at 90 psi air pressure.

### Accessories

Description	Series C Part #	Series 7 Part #	Series T&H Part #	Series 77A Part #	Series 88S Part #	Series 99S Part #
5" Sanding Pad Assembly (med.)	–	77A-AM825-5	77A-AM825-5	77A-AM825-5	77A-AM825-5	77A-AM825-5
7" Sanding Pad Assembly (med.)	–	77A-AM825-7	77A-AM825-7	77A-AM825-7	77A-AM825-7	77A-AM825-7
7" Sanding Pad Assembly (firm)	–	77A-BM825-7	77A-BM825-7	77A-BM825-7	77A-BM825-7	77A-BM825-7
9" Sanding Pad Assembly (firm)	–	77A-AM825-9	–	77A-AM825-9	77A-AM825-9	77A-AM825-9
7" Wool Polishing Bonnet	–	P500-850	P500-850	P500-850	–	–
Pad Nut	–	D94SK-226	D94SK-226	D94SK-226	D94SK-226	D94SK-226
Pad Nut Wrench	–	D94SK-26	D94SK-26	D94SK-26	D94SK-26	D94SK-26
Spindle Wrench	–	7S60-24818*	–	DG120-69	DG120-69	DG120-69**
2" Abrasive Kit	LG1-K2	–	–	–	–	–
3" Abrasive Kit	LG1-K3	–	–	–	–	–
Inlet Hose Assembly 5/16" x 8' 1/4 Male + 3/8 Female Ends	RO-130	–	RO-130	–	–	–
Piped-Away Exhaust Kit	LG1-K184	–	LG2-K284	–	88V60-K184	99V60-K184
Controller Wrench	–	–	–	77H-950	88V60-950	99V60-950
Pad Nut Kit	–	77A-826	77A-826	77A-826	77A-826	77A-826
Pad Nut Spanner	AG230-26M	–	AG230-26M	–	–	–
Comb. Wrench 1/2 - 9/16"	DG10-69	–	–	–	–	–
Comb. Wrench 7/16 - 11/16"	–	–	DG20-69A	–	–	–

\* 5/16" OE

\*\* 5/8" x 3/4" OE