

G Series Die Grinders

From the compact 0.3 kW (0.4 hp) G1 Series to the powerful 1.0 kW (1.35 hp) G3 Series, these grinders are made for any grinding, cutting, and material removal needs.

G1 Series:










- For light material removal, cleaning rough castings and welds, deburring parts.
- 0.3 kW (0.4 hp) motor.
- Easily interchangeable front/rear exhaust.
- Piped-away exhaust as standard.

G3 Series:

- For heavy material removal with burrs, grinding wheels, and coated abrasives. Internal contamination-free air controller helps maintain tool speed regardless of the load.
- High torque 1 kW (1.35 hp) air motor.
- Internal motor governor maximizes speed under load, increasing your rate of material removal.
- Auto balancing system and anti-vibration dead handle on G3 “AV” models significantly reduces vibrations and increases life of grinding wheels.
- Piped-away exhaust as standard.



Technical Specifications at 6.2 bar (90 psi) dynamic pressure at inlet

Model No.	CPN	kWatt kWatt	 rpm		 kg	 mm	 in (NPT)	 mm	 l/s	 dB(A) <sup>(1)</sup>	 m/s <sup>2</sup> /K(2)
Straight Die Grinders											
G1H200PG4M	80155245	0.30	20,000	6mm	0.41	156	1/4"	8	9.0	78.5	2.9/1.7
G1H250PG4M	80155286		25,000	6mm	0.41	156	1/4"	8	9.4	79.2	2.5/1.4
G1H350PG4M	80155310		35,000	6mm	0.41	156	1/4"	8	11.8	81.1	< 2.5
G3H150PG4M	80224231	1.00	15,000	6mm	1.05	230	3/8"	13	15.6	83.5	3.7/2.6
G3H180PG4M	80223787		18,000	6mm	1.05	230	3/8"	13	26.0	83.5	< 2.5
Straight Extended Die Grinders											
G1X200PG4M	80155336	0.30	20,000	6 mm	0.59	232	1/4"	8	11.8	77.9	< 2.5
G1X250PG4M	80155351		25,000	6 mm	0.59	232	1/4"	8	11.8	80.0	< 2.5
G1X350PG4M	80155377		35,000	6 mm	0.59	232	1/4"	8	11.8	81.9	< 2.5
G3X150PG4M	80155765	1.00	15,000	6 mm	1.70	359	3/8"	13	15.6	87.9	3.6/0.8
G3X180PG4M	50155732		18,000	6 mm	1.70	359	3/8"	13	26.0	86.4	< 2.5

(1) Sound pressure without pipe away exhaust (up to 6 dB(A) less with piped away exhaust).  
(2) ISO28927 – 3-axis measurement: vibration level/measurement uncertainty.

Technical Specifications at 6.2 bar (90 psi) dynamic pressure at inlet

Model No.	CPN	kWatt kWatt	1 min rpm								
Angle Die Grinders											
G1A200PG4M	80155211	0.30	20,000	6 mm	0.50	152	1/4"	8	11.8	80.6	5.6/1.1
G3A120PG4M	80177462	1.00	12,000	6 mm	1.90	241	3/8"	13	26.0	84.7	5.5/0.9
G1A120PG4M	80155187	0.30	12,000	6 mm	0.50	152	1/4"	10	8.96	79.6	3.4/0.9

(1) Sound pressure without pipe away exhaust (up to 6 dB(A) less with piped away exhaust).  
(2) ISO28927 – 3-axis measurement: vibration level/measurement uncertainty.

M Series Die Grinders

Super Duty Grinder Suited for heavier-duty grinding, cutting, cleaning, and polishing applications.










Engineered and built with Ingersoll Rand reliability and durability, the M Series has the features operators want most.

M2 Series:

- For heavier-duty applications in grinding, cutting, cleaning, and polishing.
- Powerful 0.75 kW (1 hp) lube-free air motor.
- Internal motor governor maintains grinder speed and manages air flow for efficient energy use.
- Spindle lock on angle models, allows faster, easier accessory changes.
- Piped-away exhaust as standard.



Technical Specifications at 6.2 bar (90 psi) dynamic pressure at inlet

Model No.	CPN	kWatt kWatt	 rpm		 kg	 mm	 in (NPT)	 mm	 l/s	 dB(A) <sup>(1)</sup>	 m/s <sup>2</sup> /K <sup>(2)</sup>
Straight Die Grinders											
M2H180RG4	48421580	0.75	18,000	6 mm + 1/4"	0.77	213	3/8"	10	19.8	84.7	4.2/1.6
M2H200RG4	48421572		20,000	6 mm + 1/4"	0.77	213	3/8"	10	19.8	84.9	4.4/1.1
M2H250RG4	48393003		25,000	6 mm + 1/4"	0.77	213	3/8"	10	19.8	88.2	< 2.5
Straight Extended Die Grinders											
M2X075RG4	48405294	0.75	7,500	6 mm + 1/4"	1.35	304	3/8"	10	19.8	88.0	< 2.5
M2X180RG4	48418396		18,000	6 mm + 1/4"	1.22	332	3/8"	10	19.8	88.8	2.8/0.9
M2X200RG4	48421655		20,000	6 mm + 1/4"	1.22	332	3/8"	10	19.8	84.9	< 2.5
M2X250RG4	48421663		25,000	6 mm + 1/4"	1.22	332	3/8"	10	19.8	88.2	< 2.5

(1) Sound pressure without pipe away exhaust (up to 6 dB(A) less with piped away exhaust).  
(2) ISO28927 – 3-axis measurement: vibration level/measurement uncertainty.

Technical Specifications at 6.2 bar (90 psi) dynamic pressure at inlet

Model No.	CPN	kWatt kWatt	1 min rpm								
Angle Die Grinders											
M2A120RG4	48421648	0.75	12,000	6 mm + 1/4"	1.62	227	3/8"	10	19.8	87.1	< 2.5
M2A180RG4	48421697		18,000	6 mm + 1/4"	1.62	227	3/8"	10	19.8	88.8	3.1/1.0

(1) Sound pressure without pipe away exhaust (up to 6 dB(A) less with piped away exhaust).  
(2) ISO28927 – 3-axis measurement: vibration level/measurement uncertainty.

Erickson Collets for G1Series

Model No.	CPN	Size
DG110-700-G2	03641743	3.2 mm
DG110-700-6MM	04261053	6 mm
DG110-700-G4	03641602	6.35 mm

Erickson Collets for M2 and G3 Series

Model No.	CPN	Size
G160HD-700-6MM	04261061	6 mm
G160HD-700-1/4	03493962	6.35 mm
DG121HD-700-M8	03641321	8 mm
DG120HD-700-G6	03641313	9.52 mm












Pneumatic Grinding & Finishing | Air Grinders and Sanders

★★★ Super-duty tools  
★★ Heavy-duty tools  
★ Maintenance-duty tools

G and M Series Grinders



Technical Specifications at 6.2 bar (90 psi) dynamic pressure at inlet

Model No.	CPN	 kWatt	 rpm	 mm	 in	 kg	 mm	 in (NPT)	 mm	 l/s	 dB(A) <sup>(1)</sup>	 m/s²/K <sup>(2)</sup>
Angle Grinders												
G1A200PP63	80155419	0.30	20,000	75	3/8"–24	0.59	152	1/4"	8	11.8	79.9	16.8/6.2
M2A090RP95	48421622	0.75	9,000	125	M14	1.62	236	3/8"	10	19.8	87.7	4.6/1.6
M2A120RP945	48391981		12,000	115	M14	1.71	236	3/8"	10	19.8	87.0	5.1/1.5
M2A120RP95	48421606		12,000	125	M14	1.77	236	3/8"	10	19.8	87.0	5.0/0.9
G3L086PP95 (3)	80232408	1.0	8,600	125	M14	2.32	330	3/8"	13	26.0	84.0	5.0/1.6
G3A100PP96AV	80217052		10,000	150	M14	2.32	245	3/8"	13	26.0	86.1	4.8/1.9
G3A120PP945AV	80217037		12,000	115	M14	2.18	245	3/8"	13	15.6	88.7	4.8/1.5
G3A120PP95AV	80217045		12,000	125	M14	2.09	245	3/8"	13	26.0	88.7	5.0/1.9
Straight Grinders												
G1H250PH63	80155443	0.30	25,000	75	3/8"–24	0.57	156	1/4"	8	9.4	81.1	10.7/3.3
M2X180RH63	48421580	0.75	18,000	75	3/8"–24	1.48	339	3/8"	10	19.8	85.3	< 2.5
G3X150PH64	80155799	1.0	15,000	100	3/8"–24	2.04	359	3/8"	13	15.6	84.5	2.5/0.8
G3X180PH63	80155781		18,000	75	3/8"–24	2.04	359	3/8"	13	26.0	88.8	2.8/0.9

(1) Sound pressure without pipe away exhaust (up to 6 dB(A) less with piped away exhaust).  
(2) ISO28927 – 3-axis measurement: vibration level/measurement uncertainty.  
(3) Extended angle grinder.

Pneumatic Grinding & Finishing | Air Grinders and Sanders

★★★ Super-duty tools  
★★ Heavy-duty tools  
★ Maintenance-duty tools

G and M Series Sanders



Sanding Pads for G and M Series

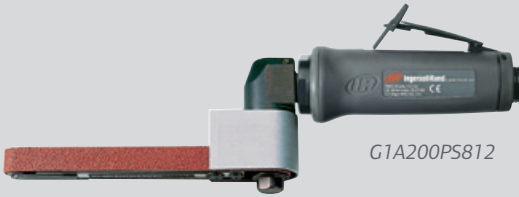
Model No	CPN	Description	Size
02A-MEDPD	80199177	For G1 Series	Ø 50 mm (2")
03A-MEDPD	80198963	For G1 Series	Ø 75 mm (3")
77A-AM825-5	03675477	For M2 and G3 Series (medium)	Ø 125 mm (5")
77A-AM825-7	03675469	For M2 and G3 Series (medium)	Ø 180 mm (7")
77A-AM825-9	03675451	For M2 and G3 Series (firm)	Ø 230 mm (9")

Technical Specifications at 6.2 bar (90 psi) dynamic pressure at inlet

Model No.	CPN	kWatt kWatt	$\frac{1 \text{ min}}{\text{rpm}}$	$\text{mm}$	$\frac{\text{mm}}{\text{in (NPT)}}$	$\text{kg}$	$\text{mm}$	$\frac{\text{mm}}{\text{in (NPT)}}$	$\frac{\text{mm}}{\text{Max.}}$	$\frac{\text{l/s}}{\text{Max.}}$	$\text{dB(A)}^{(1)}$	$\frac{\text{m/s}^2/\text{K}^{(2)}}{\text{m/s}^2/\text{K}^{(2)}}$
Sanders												
G1A120PS4	80155468	0.30	12,000	Option (see the table above)	1/4"–20	0.50	152	1/4"	8	9.0	80.6	3.0/1.0
G1A200PS4	80155534		20,000		1/4"–20	0.50	152	1/4"	8	11.8	82.4	< 2.5
M2L025RS9	48421788		2,500		M14	1.90	318	3/8"	10	19.8	87.0	4.0/1.4
M2L040RS9	48421796	0.75	4,000		M14	1.90	318	3/8"	10	19.8	88.8	2.8/1.8
M2L055RS9	48421812		5,500		M14	1.90	318	3/8"	10	19.8	88.8	3.7/1.1
G3L086PS10	80223803	1.0	8,600		5/8"–11	1.93	330	3/8"	13	15.6	82.0	< 2.5

(1) Sound pressure without pipe away exhaust (up to 6 dB(A) less with piped away exhaust).  
(2) ISO28927 – 3-axis measurement: vibration level/measurement uncertainty.

G Series Belt Sanders



Technical Specifications at 6.2 bar (90 psi) dynamic pressure at inlet

Model No.	CPN	kWatt kWatt	$\frac{1 \text{ min}}{\text{rpm}}$	$\text{mm}$	$\text{kg}$	$\text{mm}$	$\frac{\text{mm}}{\text{in (NPT)}}$	$\frac{\text{mm}}{\text{Max.}}$	$\frac{\text{l/s}}{\text{Max.}}$	$\text{dB(A)}^{(1)}$	$\frac{\text{m/s}^2/\text{K}^{(2)}}{\text{m/s}^2/\text{K}^{(2)}}$
Belt Sanders											
G1A120PS418	80155484	0.30	12,000	457 x 6.35	0.54	356	1/4"	8	9.0	82.4	< 2.5
G1A120PS812	80155500		12,000	305 x 12.7	0.54	273	1/4"	8	9.0	82.4	< 2.5
G1A200PS812	80155559		20,000	305 x 12.7	0.54	273	1/4"	8	11.8	83.6	2.6/0.7

(1) Sound pressure without pipe away exhaust (up to 6 dB(A) less with piped away exhaust).  
(2) ISO28927 – 3-axis measurement: vibration level/measurement uncertainty.



See also our  
PBA416 high precision  
belt sander page 42

Sanding Belts 3/8"-24 female thread

Model No.	CPN	Dimensions	Grit
LG1-SB812-60-10	04025649	12.7 x 305 mm (1/2" x 12")	60
LG1-SB812-80-10	04025656		80
LG1-SB812-100-10	04025664		100
LG1-SB418-60-10	04279832	6.35 x 457 mm (1/4" x 18")	60
LG1-SB418-80-10	04279840		80
LG1-SB418-100-10	04279857		100



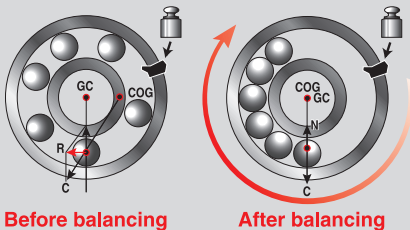
Pro Series Grinders/Sanders

Pro Series grinders incorporate a patented motor controller which is designed to increase productivity while enhancing operator safety. Adjustable side handles, an ergonomic main handle, and self-locking throttle all help to reduce operator fatigue.

- Reliability:**
- Solid steel motor and arbor housing provide maximum durability.
  - Built-in mist lubricator automatically oils motor when throttle is activated.
- Efficiency:**
- Heavy-duty, double-row ball bearings assure long life and smooth operation.
  - Auto balancing system on angle and vertical models – reduces vibration and increases abrasives lifetime.



Auto balancing system on Pro-Series angle and vertical models



Pro-Series motor controller prevents over-speeding and manages air flow for efficient energy use



Pro-Series Straight Grinders/Collet

Erickson Collet



Technical Specifications at 6.2 bar (90 psi) dynamic pressure at inlet

Model No.	CPN	kWatt kWatt	$\frac{1 \text{ min}}{\text{rpm}}$	$\frac{\text{mm}}{\text{mm}}$	kg	$\frac{\text{mm}}{\text{mm}}$	$\frac{\text{in (NPT)}}{\text{in (NPT)}}$	$\frac{\text{mm}}{\text{mm}}$	$\frac{\text{Max. l/s}}{\text{l/s}}$	$\frac{\text{dB(A)}}{\text{dB(A)}}$	$\frac{\text{m/s}^2/\text{K}^{(1)}}{\text{m/s}^2/\text{K}^{(1)}}$
Straight Grinders - Erickson Collet											
61H150G4-EU	01339316	1.00	15,000	6 mm	1.9	394	3/8"	13	18.9	89.8	< 2.5
61H120G4-EU	01338391	0.93	12,000	6 mm	1.9	394	3/8"	13	17.5	86.6	< 2.5

(1) ISO28927 – 3-axis measurement: vibration level/measurement uncertainty.

Erickson Collets for 61H Series



Model No.	CPN	Size
G160HD-700-6MM	04261061	6 mm
G160HD-700-1/4	03493962	1/4"
DG121HD-700-M8	03641321	8 mm
DG120HD-700-G6	03641313	3/8"

Pro-Series Angle Grinders



Type 27 and 28 wheels



Technical Specifications at 6.2 bar (90 psi) dynamic pressure at inlet

Model No.	CPN	kWatt kWatt	$\frac{1 \text{ min}}{\text{rpm}}$	$\frac{\text{mm}}{\text{mm}}$	$\frac{\text{mm}}{\text{mm}}$	kg	$\frac{\text{mm}}{\text{mm}}$	$\frac{\text{in (NPT)}}{\text{in (NPT)}}$	$\frac{\text{mm}}{\text{mm}}$	$\frac{\text{Max. l/s}}{\text{l/s}}$	$\frac{\text{dB(A)}}{\text{dB(A)}}$	$\frac{\text{m/s}^2/\text{K}^{(1)}}{\text{m/s}^2/\text{K}^{(1)}}$
Angle Grinders												
77A60P107M-EU	01338300	1.12	6,000	180	5/8"-11	4.1	447	3/8"	13	18.4	85.9	< 2.5
77A75P107M-EU	01338771	1.12	7,500	180	5/8"-11	4.2	447	3/8"	13	18.4	85.9	2.6/0.8
77A60P109M-EU	01338201	1.12	6,000	230	5/8"-11	4.2	447	3/8"	13	18.4	104.7	2.4/0.8

(1) ISO28927 – 3-axis measurement: vibration level/measurement uncertainty.

Pro-Series Straight Grinders



Type 1 wheel



Type 16, 17, 18, 18R and 19 wheels



Technical Specifications at 6.2 bar (90 psi) dynamic pressure at inlet

Model No.	CPN	kWatt kWatt	$\frac{1 \text{ min}}{\text{rpm}}$	$\frac{\text{mm}}{\text{mm}}$	$\frac{\text{mm}}{\text{mm}}$	kg	$\frac{\text{mm}}{\text{mm}}$	$\frac{\text{in (NPT)}}{\text{in (NPT)}}$	$\frac{\text{mm}}{\text{mm}}$	$\frac{\text{Max. l/s}}{\text{l/s}}$	$\frac{\text{dB(A)}}{\text{dB(A)}}$	$\frac{\text{m/s}^2/\text{K}^{(1)}}{\text{m/s}^2/\text{K}^{(1)}}$
Straight Grinders – Type 1 Wheels												
61H120H63-EU	01339290	0.93	12,000	75	3/8"-24	2.16	400	3/8"	13	18.9	86.6	<2.5
61H150H63	01238567	1.00	15,000	75	3/8"-24	2.16	400	3/8"	13	17.5	86.4	<2.5
77H120H84-EU	01339308	1.12	12,000	100	1/2"-13	2.95	438	3/8"	13	18.4	85.4	2.8/1.2
88HL60H106-EU	01339407	1.50	6,000	150	5/8"-11	5.14	508	1/2"	19	28.8	79.4	< 2.5
99HL60H106-EU	01339373	2.25	6,000	150	5/8"-11	6.14	521	1/2"	19	39.7	85.8	< 2.5
Straight Grinders – Type 16, 17 18, 18R and 19 Wheels												
61H120L6-EU	01340454	0.93	12,000	—	3/8"-24	1.93	375	3/8"	13	17.5	86.6	< 2.5
61H150L6-EU	01340561	1.00	15,000	—	3/8"-24	1.93	375	3/8"	13	18.9	89.8	< 2.5
77H90L10-EU	01339118	1.12	9,000	—	5/8"-11	2.73	418	3/8"	13	17.5	80.9	< 2.5
77H120L10-EU	01340280	1.12	12,000	—	5/8"-11	2.73	418	3/8"	13	18.4	85.4	4.2/3.5

(1) ISO28927 – 3-axis measurement: vibration level/measurement uncertainty.