

Precision Hand Tool Series

Constant High Speed and Torque • 25,000 - 90,000 rpm, <1.4 hp / 1.04 kW



- Powerful speed governed motor with no gears: up to 1.4 hp / 1.04 kW.
- Patented light weight range. Patented automatic brake option.
- Less fatigue and injury risk. Low vibration & noise.
- High torque and power: 25,000 rpm - 90,000 rpm.
- Greater precision, finer finished surfaces. "Speed Does the Cutting".
- No gears, no vanes, low friction, no lubrication, no maintenance, no control unit.

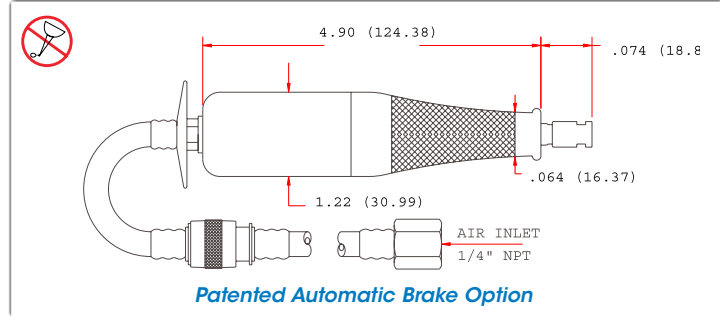
1/8" / 3mm Collet Series

200SV



50,000 rpm
0.30 hp (0.22 kW)
5.4 oz (0.15 kg)

1/8" (3mm)

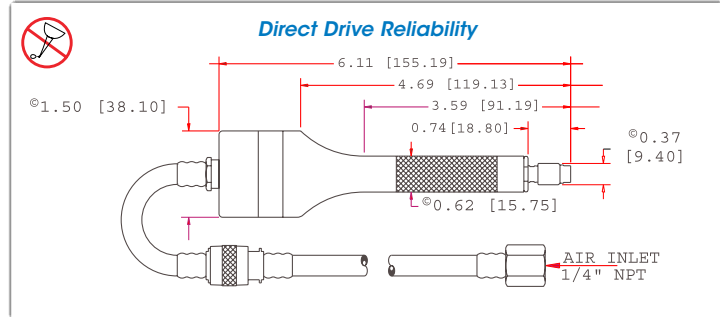


201SV



40,000 - 90,000 rpm
0.20 hp (0.15 kW)
6 oz (0.17 kg)

1/8" (3mm)

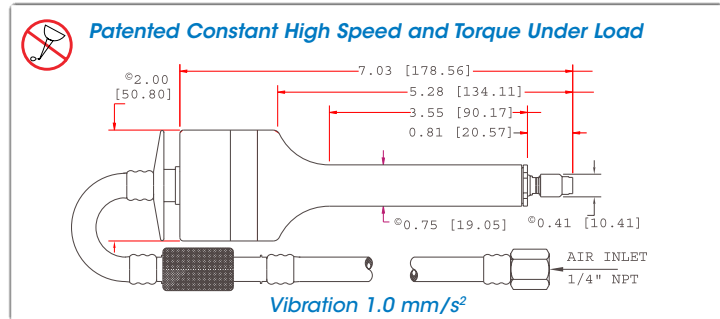


202SV



30,000 - 65,000 rpm
0.55 hp (0.41 kW)
6.8 oz (0.20 kg)

1/8" (3mm)

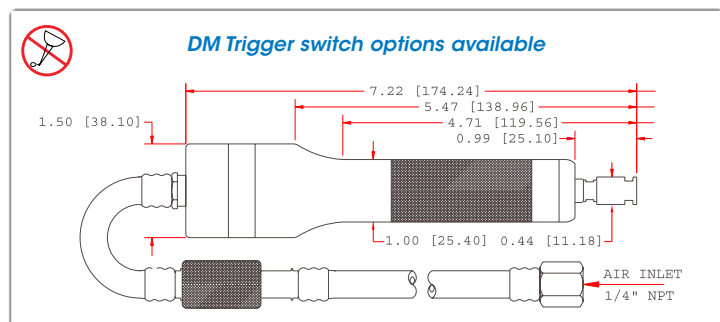


204SV



40,000 - 50,000 rpm
0.30 hp (0.22 kW)
5.4 oz (0.15 kg)

1/8" (3mm)



General Specifications	200 Series	201 Series	202 Series	204 Series
Governed Speed rpm	50,000	40,000 / 50,000 / 65,000 / 90,000	30,000 / 40,000 / 50,000 / 65,000	40,000 / 50,000
Power Rating hp (kW)	0.3 (0.22)	.15 (.11) / .2 (.15) / .2 (.15) / .2 (.15)	.40 (.30) / .45 (.34) / .50 (.37) / .55 (.41)	0.15 (0.11) / 0.2 (0.15)
Inlet Air Pressure	90 psi (6.2 bar)	90 psi (6.2 bar)	90 psi (6.2 bar)	90 psi (6.2 bar)
Air Consumption Idle cfm (l/s)	4 (1.88)	3 (1.51) / 4 (1.88) / 4 (1.88) / 5 (2.36)	10 (4.72) / 13 (6.14) / 14 (6.61) / 14 (6.61)	3.2 (1.51) / 4 (1.88)
Air Consumption Working Flow cfm (l/s)	6 (2.83) - 9 (4.24)	4.8 (2.22) - 7 (3.30)	11 (5.19) - 20 (9.44)	4.7 (2.20) - 7 (3.30)
TIR Collet Held Shank	Less Than .001" (.03mm)	Less Than .001" (.03mm)	Less Than .001" (.03mm)	Less Than .001" (.03mm)
Sound Level	Less Than 67 dBA	Less Than 67 dBA	Less Than 67 dBA	Less Than 67 dBA
Max Shank Capacity	1/8" (3mm)	1/8" (3mm)	1/8" (3mm)	1/8" (3mm)

Optional collets available (Metric and Inch) - 1/8", 1/4", 5/32", 1/16", 3/32", 3mm, 4mm, 6mm, 8mm.

Why Air Turbine Tools[®] are different:

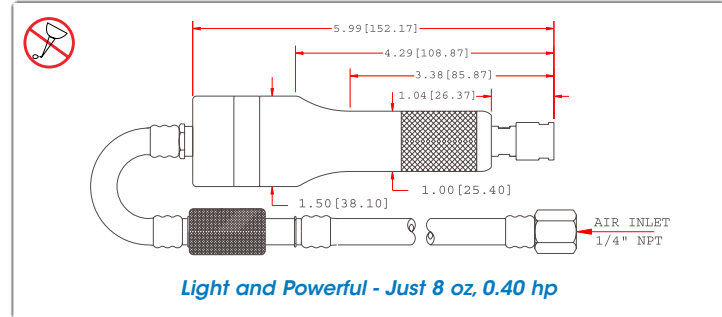
- Polishing, Finishing, Part Cleaning, Engraving, Routing, Tool & Die, Weld and Flash Removal, etc.
- 25,000 - 90,000 rpm, 0.15 - 1.40 hp / (0.11 - 1.04 kW). Direct Drive - only two moving parts.
- Powerful light weight range with low weight and ultra low vibration. Effective cutting with less fatigue.
- Constant high speed and torque under variable load.
- Totally oil-free system; grease-packed bearings.

1/4" / 6mm Collet Series

206XSV



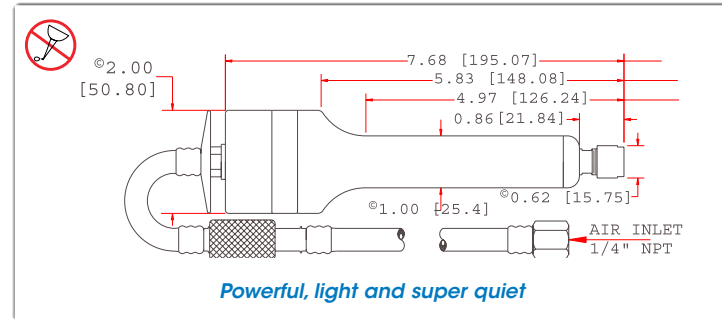
30,000 - 50,000 rpm
0.40 hp (0.30 kW)
8.2 oz (0.23 kg)
1/4" (6mm)



525SV



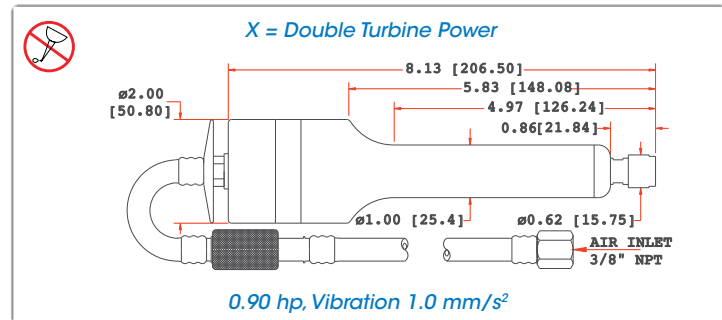
30,000 - 40,000 rpm
0.45 hp (0.34 kW)
14.5 oz (0.41 kg)
1/4" (6mm)



525XSV



30,000 - 40,000 rpm
0.90 hp (0.68 kW)
15.5 oz (0.44 kg)
1/4" (6mm)



General Specifications	206X Series	525 Series	525X Series
Governed Speed rpm	30,000 / 40,000 / 50,000	30,000 / 40,000	30,000 / 40,000
Power Rating hp (kW)	.3 (.22) / .3 (.22) / .4 (.30)	.4 (.30) / .45 (.34)	.8 (.60) / .9 (.68)
Inlet Air Pressure	90 psi (6.2 bar)	90 psi (6.2 bar)	90 psi (6.2 bar)
Air Consumption Idle cfm (l/s)	5 (2.36) / 6 (2.83) / 6 (2.83)	10 (4.72) / 13 (6.14)	19 (8.97) / 20 (9.44)
Air Consumption Working Flow cfm (l/s)	7 (3.30) - 10 (4.27)	11 (5.19) - 20 (9.27)	22 (10.38) - 30 (14.16)
TIR Collet Held Shank	Less Than .001" (.03mm)	Less Than .001" (.03mm)	Less Than .001" (.03mm)
Sound Level	Less Than 67 dBA	Less Than 67 dBA	Less Than 67 dBA
Max Shank Capacity	1/4" / (6mm)	1/4" / (6mm)	1/4" / (6mm)

Optional collets available (Metric and Inch) - 1/8", 1/4", 5/32", 1/16", 3/32", 3mm, 4mm, 6mm, 8mm.

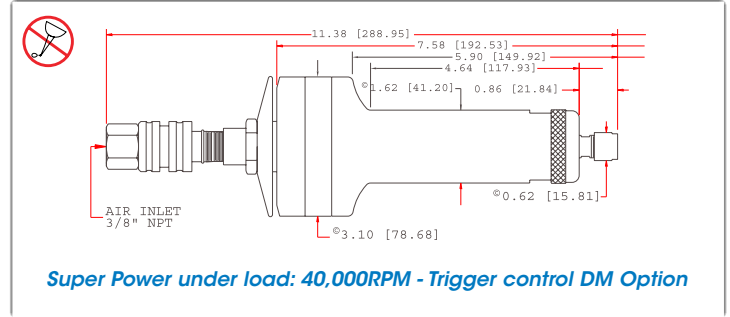
1/4" / 6mm Collet Series

230SV



25,000 - 40,000 rpm
0.88 hp (0.66 kW)
37.3 oz (1.06 kg)

1/4" (6mm)

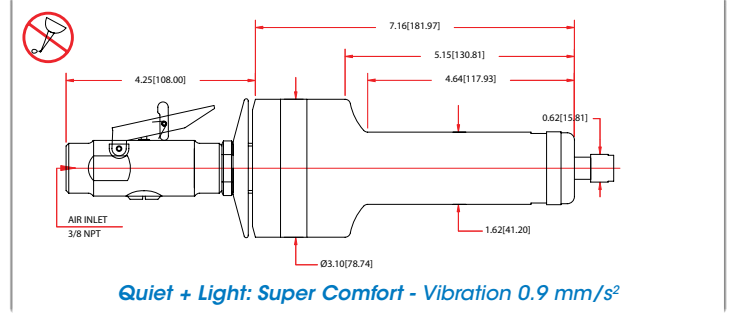


230XDM



25,000 - 40,000 rpm
1.4 hp (1.04 kW)
39 oz (1.11 kg)

1/4" (6mm)

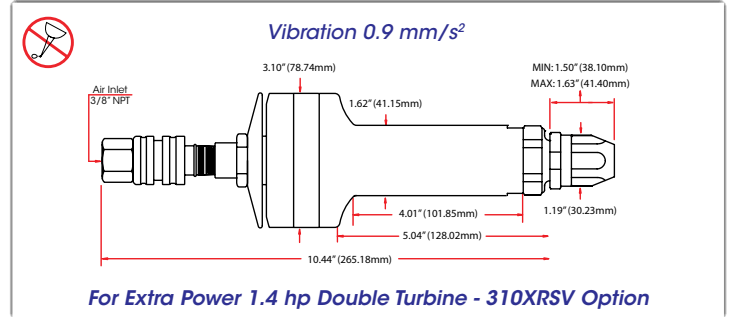


310RSV



25,000 - 40,000 rpm
0.88 hp (0.66 kW)
39.7 oz (1.13 kg)

1/4" (6mm)



NEW! Composite Router

Extended Hand Tool Series

Extended Series Feature:

- 2.5" extension.
- Double front bearings standard.
- Automatic brake standard.
- Patented double turbines motor provide governed high speed and torque under load.

230XSVE



25,000 & 30,000 rpm
1.30 hp (0.98 kW)
42.4 oz (1.20 kg)

1/4" (6mm)

525XSVE



30,000 rpm
0.80 hp (0.60 kW)
42.4 oz (1.20 kg)

1/4" (6mm)

General Specifications	230 / 310R Series	230X Series
Governed Speed rpm	25,000 / 30,000 / 40,000	25,000 / 30,000 / 40,000
Power Rating hp (kW)	.76 (.57) / .83 (.62) / .88 (.66)	1.2 (0.90) / 1.3 (0.98) / 1.4 (1.04)
Inlet Air Pressure	90 psi (6.2 bar)	90 psi (6.2 bar)
Air Consumption Idle cfm (l/s)	13 (6.14) / 14 (6.61) / 14 (6.61)	16 (7.55) / 17 (8.02) / 18 (8.50)
Air Consumption Working Flow cfm (l/s)	14 (6.61) - 35 (16.52)	19 (8.97) - 40 (18.89)
TIR Collet Held Shank	Less Than .001" (.03mm)	Less Than .001" (.03mm)
Sound Level	Less Than 67 dBA	Less Than 67 dBA
Max Shank Capacity	1/4" (6mm)	1/4" (6mm)

For 230X units use a minimum 10mm internal diameter coupling/hose.

The Air Turbine Advantage

- ❑ Polishing, Finishing, Part Cleaning, Engraving, Routing, Tool & Die, Weld and Flash Removal, etc.
- ❑ 25,000 - 90,000 rpm, 0.15 - 1.40 hp / (0.11 - 1.04 kW). Direct Drive - only two moving parts.
- ❑ Powerful light weight range with low weight and ultra low vibration. Effective cutting with less fatigue.
- ❑ Inlet air pressure 90 psi (6.2 bar) Max. Dry air only. Up to 30% savings on compressed air consumption.
- ❑ Totally oil-free system; grease-packed bearings.
- ❑ Constant high speed and torque under variable load.
- ❑ Fewer moving parts, less maintenance, fewer repairs.
- ❑ Super Precision: Super Finishing.
- ❑ No Vanes or Gears, No Maintenance, Lubrication free.
- ❑ Eliminate Oil Mist from Shop Air and Workpiece.
- ❑ High peripheral speed cuts and finishes cleaner.
- ❑ 12 Month Limited Warranty / CE Mark.

Vibration Statistics	Acceleration (mm/s ²)
Model 210SV 6 oz (0.17 kg)	2.2
Model 202SV 8 oz (0.23 kg)	1.0
Model 525SV 14.5 oz (0.40 kg)	1.1
Model 210SV 30 oz (0.85 kg)	1.9
Model 230SV 37.3 oz (1.06 kg)	0.9




High Speed with No Duty Cycle




Effective Cutting with Less Fatigue




Direct Drive Reliability

Accessories

#30084
High Flow Filter Regulator
Extractor with 1/2" NPT
(use for 230X and 310X models) **0.3 µm**

#30008
High Flow Filter Regulator Extractor
(use for all models other than 230X and
310X models) **0.3 µm**

Optional Collets, Ceramic & Angular Bearings,
Air Supply Assembly with Fittings and Foot
Pedal Accessories available online at
www.airturbinetools.com

Distributor



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Fax: +1-561-994-8097
info@airturbinetools.com
www.airturbinetools.com




Do not use couplings/hoses less than 1/4" / 6mm Internal Diameter (ID). With 230, 525X, and 3090 units use a minimum 3/8" / 9.5mm ID coupling/hose. For 230X units use a minimum 10mm ID coupling/hose. Always use a 5 micron filter and/or extractor where required and check specified PSI or L/S air flow. Use 6.2 Bar / 90 psi clean, dry, oil-free air only. Use eye protection and follow safety instructions. Supply is subject to Air Turbine Technology Inc, (ATT) distributor policies and upon terms contained in the ATT distributor agreement. Subject to availability, change of specifications, price and terms without notice. All specifications approximate. © 2014 Air Turbine Technology, Inc. All rights reserved.