

# TENNSMITH AIR POWERED SHEARS

TENNSMITH's power shears combine all of the features of our foot shears with the advantage and convenience of air or hydraulic operation. TENNSMITH power shears are a productive addition to any shop. The air shears utilize heavy-duty, tie rod-type pneumatic cylinders, which provide up to 40 strokes per minute in capacity materials.



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A foot-operated air valve control, pressure regulator, air gauge, oiler/condenser cups and neoprene, padded holddown feet are standard features. We recommend a maximum air supply of 75 psi for operating these shears at rated capacity. Where air supply pressures exceed 75 psi, an in-line regulator is helpful to provide pressure control.

The model 52H cycles at 45 strokes a minute, thanks to its first class hydraulic system. The hydraulic unit is of a low maintenance design featuring a solenoid actuated valve, 3-hp electric motor, self-contained pump in tank with pressure gauge, check valve and industrial quality cylinders. The motor is protected by a magnetic starter.

Other electrical safety features include a low voltage on/off switch; low voltage, shrouded, electric foot switch; step-down transformer with low voltage circuit fuse; fully enclosed electrical box; and insulated reinforced conduit for all wiring. Models 36A and 52A are ideal ways to enhance shearing productivity with minimal investment.

All shears are standard, equipped with high-carbon/high-chromium (HCHC) blades.

Standard equipment includes a back gauge, front extension arms with stop, bevel gauge and graduated side scales.

	Model 36A	Model 52A / 52H
Maximum Shearing Capacity, Mild Steel	16 Gauge 1.6 mm	16 Gauge 1.6 mm
Maximum Shearing Capacity, Stainless Steel	20 Gauge 1.0 mm	20 Gauge 1.0 mm
Maximum Cutting Length	37 in. 940 mm	52-1/4 in. 1327 mm
Back Gauge Range	30 in. 762 mm	30 in. 762 mm
Font Gauge Range	37 in. 940 mm	37 in. 940 mm
Strokes Per Minute/Full Length	40	40 / 45
Maximum Operating Pressure	75 psi 1 atmos.	75 / 1450 psi 5.1 / 98.6 atmos.
Air Consumption Per Stroke	1.1 cu. ft. 0.031 cu. m.	1.33 / N/A psi 0.038 / N/A cu. m.
Moto-230/460v, 3-phase, 60Hz, 1745 rpm	N/A	N/A / 3 hp
Dimensions, Less Gauges (L x W x H)	46-1/4 x 24 x 42 in. 1181 x 686 x 1067 mm	61 x 25 x 42 in. 1550 x 915 x 1067 mm
Shipping Weight	800 lbs. 363 kg	1085 / 1300 lbs. 492 / 590 kg