



Model 52H

## AIR & HYDRAULIC SHEARS

**MODELS**  
36A  
52A  
52H

**power  
series**



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.

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.

Power Shears	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
Front gauge range	37 in./940 mm	37 in./940 mm
Floor space, gauges in position	45 x 80 in. 1143 x 2032 mm	60 x 80 in. 1524 x 2032 mm
Dimensions, less gauges, LxWxH	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
Strokes per minute, full length	40	40/45
Maximum operating pressure	75 psi/5.1 atmos.	75 psi/1450 psi 5.1 atmos./98.6 atmos.
Air consumption per stroke	1.1 cu. ft./0.031 cu. m.	1.33 cu. ft. / n/a 0.038 cu. m. / n/a
Motor—230/460v, 3-phase, 60Hz, 1745 RPM	n/a	n/a / 3 hp
Shipping weight	800 lbs./363 kg	1085 lbs./1300 lbs. 492 kg/590 kgs

Standard equipment includes back gauge, front extension arms with stop, bevel gauge, graduated side gauges, foot control and neoprene padded holddown feet.

Available options: Squaring arm and one-shot lubricating system.