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AIR &amp; HYDRAULIC SHEARS

## POWER SERIES



## MODELS

[36A](#)
[52A](#)
[52H](#)


MODEL 52H

TENN SMITH's power shears combine all the features of our foot shears with the advantage and convenience of air or hydraulic operation. TENN SMITH 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. Generally, a 10-hp stand-alone compressor would be the minimum recommended size to operate these shears.

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The model **52H** cycles at 60 stokes a minute, thanks to its first class hydraulic system. The unit features a solenoid actuated valve, 3-hp electric motor, 10-gallon tank with sight gauge and thermometer, 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.

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power shears	Model 36A	Model 52A	Model 52H
Maximum shearing capacity, mild steel	16 gauge/1.6 mm	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	20 gauge/1.0 mm
Maximum cutting length	37 in/940 mm	52-1/4 in/1327 mm	52-1/4 in/1327 mm
Back gauge range	30 in/762 mm	30 in/762 mm	30 in/762 mm
Front gauge range	37 in/940 mm	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 2032mm	60 x 80 in 1524 x 2032 mm

Dimensions, less gauges, LxWxH	45 x 24 x 42 in 1181 x 686 x 1067 mm	60 x 25 x 42 in 1550 x 915 x 1067 mm	60 x 25 x 42 in 1550 x 915 x 1067 mm
Strokes per minute, full length	40	40	40
Maximum operating pressure	75 psi/5.1 atmos.	75 psi/5.1 atmos.	1450 psi/98.6 atmos.
Motor-230/460v, 3-phase, 60Hz, 1745 RPM	N/A	N/A	3 hp
Shipping weight	800 lbs/363 kg	1085 lbs/492 kg	1300 lbs/590 kg

Standard equipment includes a 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.



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