

S&S® Cycle X-Wedge® Engines

49-State and 50-State Emissions Compliant & Performance Engines

Looking for something different in an American v-twin?

Then take a long look at S&S' own proprietary X-Wedge engine. Designed by S&S engineering from a clean sheet of paper, our design addresses issues found in other v-twin power trains.

Features & Benefits

These features, proven to enhance your ride quality and ensure long engine life, are all found in the X-Wedge. You can ride knowing you will have a comfortable and trouble free ride. Plan on spending more time on the road and less time performing maintenance, as this engine was also designed for easy servicing.

- 56° cylinder angle – *reduced piston interference and less vibration*
- Unique belt driven, three cam design – *better pushrod angles and reduced noise*
- Forged one-piece crankshaft with automotive style plain bearings - *increases engine durability and load capacity while reducing noise*
- Our round cylinder fins dissipate heat more evenly and efficiently
- X-Wedge utilizes 5 head bolts *ensuring better clamp load and gasket sealing*
- Gerotor style oil pump
- Automotive style low mass rocker arms
- S&S closed loop fuel injection
- Easy Start 548 cams

Emissions Compliant Engines

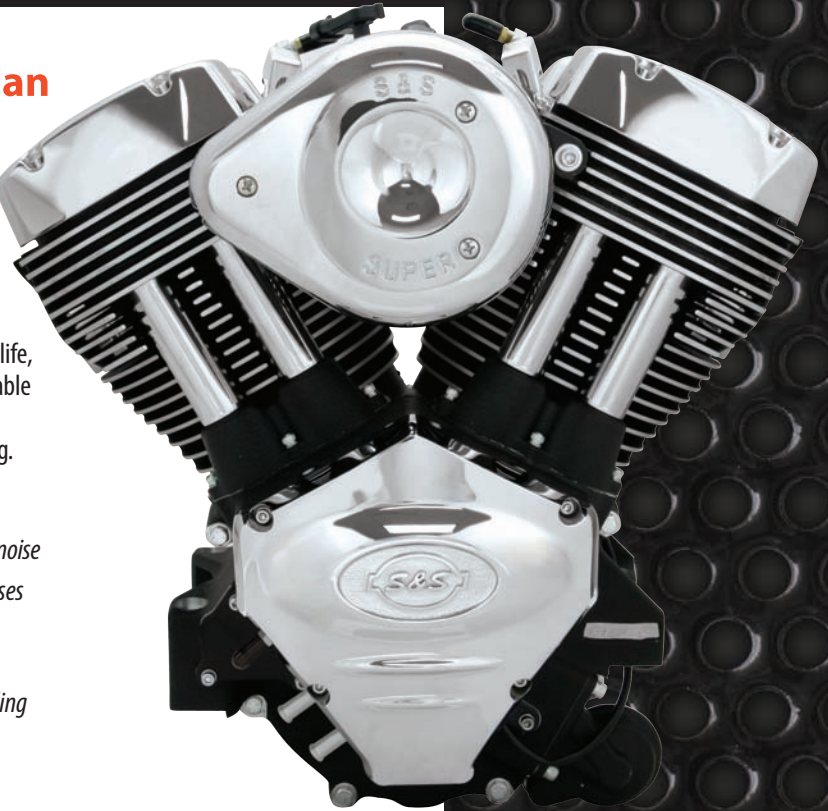
The 117" emissions compliant versions of the X-Wedge meet the EPA and CARB emissions requirement in all 50 states! So you will have the added piece of mind knowing that you can build a vehicle that is emissions legal. No emissions certification is required. We've done it - *these engines include full documentation*. The X117C engine includes an evaporative emissions hardware kit. X-Wedge engines are available in your choice of silver powdercoat, wrinkle black powdercoat or polished finish.

Performance Engines

Want to hit the racetrack or drag strip? S&S also offers performance versions. While not compliant for street usage, these engines are offered in two different displacements: 117 cubic inches and a massive 132 cubic inch engine! X-Wedge engines are available in your choice of silver powdercoat, wrinkle black powdercoat or polished finish.

Fitment

- Custom X-Wedge chassis
- New build custom motorcycles
- Harley-Davidson® FXR or touring chassis modified for X-Wedge



The X-Wedge® engine is an S&S proprietary design with a 56° cylinder angle and three belt driven cams. Requires modification of stock FXR/FLT chassis or a special frame designed for X-Wedge® engines.

Includes S&S® oil filter and Mobil 1® 20W-50 synthetic oil



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Pro-Tour 'X'
by Dougz Custom Paint and Fabrication

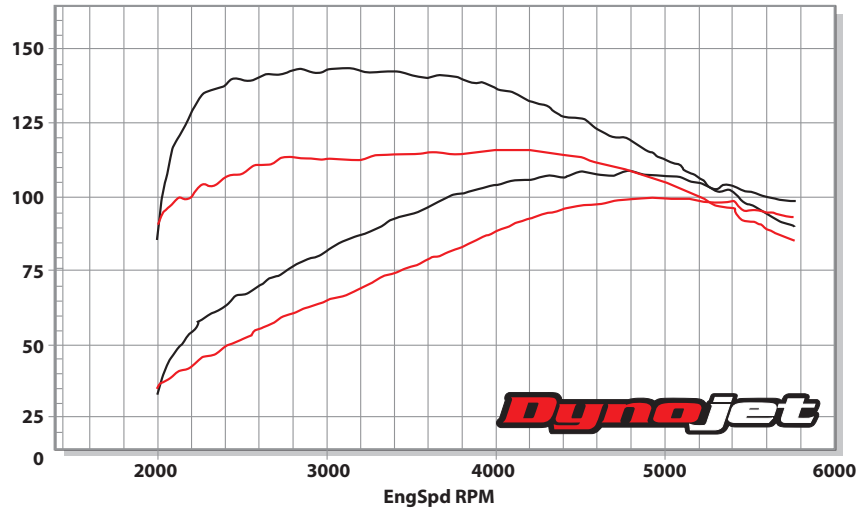


X-Glide
by Scott Sjoval, VP of S&S Engineering

Dyno Chart
S&S® X-Wedge® 117 Engine vs 132 Engine

S&S X-Wedge 117 Engine with 548 cam
Peak Rear Wheel HP 99.6
Peak Rear Wheel Torque 116.1

S&S X-Wedge 132 Engine with 569 cam
Peak Rear Wheel HP 108.6
Peak Rear Wheel Torque 143.7



This dyno chart shows the performance of an X-Wedge 117 emissions legal engine with 548 cams and an X-Wedge 132 performance engine with 569 cams. Both engines are equipped with an S&S 58mm throttle body, single bore tuned induction and a custom made 2:1 exhaust with performance mufflers.

Specifications S&S® X-Wedge® 49-State and 50-State Engines

Engine	Chassis Style	Displacement	Cylinder Angle	Bore	Stroke	Compression Ratio	Fuel System	Ignition
X117E and X117C	S&S X-Wedge®	117"	56.25°	4 1/8"	4 3/8"	9.75:1	S&S Closed Loop Single Bore VFI	S&SVFI w/Knock Sensing

Specifications S&S® X-Wedge® Performance Engines

Engine	Chassis Style	Displacement	Cylinder Angle	Bore	Stroke	Compression Ratio	Fuel System	Ignition
X117	S&S X-Wedge®	117"	56.25°	4 1/8"	4 3/8"	9.75:1	S&S Closed Loop Single Bore VFI	S&SVFI w/Knock Sensing
X132	S&S X-Wedge®	132"		4 3/8"		10.1:1		

S&S® X-Wedge® Engines

Engine	Certification	Warranty	Silver	MSRP	Black	MSRP	Polished	MSRP
X117E	49-State	3 year	31-8061	\$9,109.95	31-8060	\$9,109.95	31-8062	\$9,673.97
X117C	50-State	3 year	106-3753	\$9,109.95	106-3752	\$9,109.95	106-3754	\$9,673.97
X117	None	3 year	106-1542	\$8,659.95	106-1541	\$8,659.95	106-1543	\$9,594.95
X132	None	2 year	310-0226	\$9,699.95	310-0225	\$9,699.95	310-0227	\$10,634.95



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