

SHELBY PRODUCTION CARS. HP RATINGS. HP POTENTIAL.
SUPER SNAKE, KR, SHELBY GT500
KENNE BELL 2.8H, 3.3/3.4, EATON TVS (2.3), EATON 122 (2.1) KITS

	KENNE BELL 2.8H SUPER SNAKE	TVS 2.3 SUPER SNAKE	EATON 2.1 KR	EATON 2.1 SHELBY GT500
MFG ADVERTISED ENGINE HP	725@16.5 PSI	600 @ 11.5 PSI	540 @ 8.7 PSI	500 @ 8.7 PSI
RWHP 3" PULLEY	692HP	573HP	481HP	481HP
MAX RWHP POTENTIAL 2.5" PULLEY	*801HP	*609HP	*517HP	*517HP
MAX BOOST 2.5" PULLEY	23 PSI	*14.5 PSI	*11.0 PSI	*11.0 PSI
SUPERCHARGER RPM 7.1"X2.5" @ 6200 ENGINE RPM	17,600	*17,000	17,000	17,000
	<i>* 2.59" is smallest pulley that will safely fit over the stock Eaton drive. Machining down OD of drive resulted in drive breaking off. For exact comparison with 2.5" pulley add 1 psi boost, 10HP and 600 rpm.</i>			
SUPERCHARGER	2.8 TWIN SCREW	2.3 ROOTS	2.1 ROOTS	2.1 ROOTS
FUEL SYSTEM	KENNE BELL 850HP BOOST-A-PUMP™	STOCK	STOCK	STOCK
INLET SYSTEM	MAMMOTH™	STOCK	STOCK	STOCK
THROTTLE BODY	DUAL 75MM	DUAL 60MM	DUAL 60MM	DUAL 60MM
GEARS	3.73	3.73	3.73	3.31
DRIVESHAFT	1 PIECE	1 PIECE	2 PIECE	2 PIECE
FUNCTIONAL RAM AIR HOOD	YES	YES	NO	NO

COMPARISONS

This chart was compiled in response to the questions many of our customers were asking about the "mfg advertised engine HP," "potential RWHP" and "RWHP with the same size pulleys/supercharger RPM."

Note: Using the same pulley sizes on all supercharger kits is the ONLY accurate method of measuring the TRUE RWHP POTENTIAL. The 2.8H produces higher VE (volumetric efficiency). It is the biggest, baddest, most powerful 50 State Legal "upgrade" or "production" supercharger kit available for the Shelby cars. With a Kenne Bell, no one will ever quip; "Oh, he's only got an Eaton."

2.8H vs. 3.3/3.4

- 3.3 Note: The 3.3/3.4 is not available on a production car. Back to back tests indicated the 3.3/3.4 was 15HP less at 23 psi vs. the 2.8H and requires a costly hood or engine and trans lowering kit, front springs, re-alignment etc.
- All RWHP numbers were our latest dyno runs with the SAME tune (24° spark, 11.5AF ratio). Dynojet SAE corrected, hood up, 7.1" stock crank pulley and cat back exhaust.
- Both KR and Shelby GT 500 use Eaton 2.1, but KR has advanced timing, cooler inlet system and hi-flo exhaust for +40HP (540 vs. 500).

TVS 2.3 develops approx. 3 psi more boost and has lower power consumption/parasitic loss than a 2.1 (122) but it cannot come close to the HP and boost potential of a Kenne Bell 2.8H (see 2.5" pulley test).