



HTV1320 / HTV1900 / HTV2300
www.harropperformance.com

GENERIC SUPERCHARGERS

HTV1320 / HTV1900 / HTV2300



UNIVERSAL HEAD UNIT ASSEMBLIES

- Features include lug-mount or face-mount style
- Multiple front cover drive lengths
- Horizontal or vertical bypass actuator fitment options
- Multiple drive pulley size options
- Clockwise or counter-clockwise rotational direction available for HTV1900 & HTV2300
- Engineered with Harrop reputation for excellence utilising latest Eaton TVS™ technology



Harrop Generic HTV1320 / HTV1900 / HTV3200

Eaton's new Twin Vortices Series (TVS) is a Roots-type supercharger for a variety of engine applications that delivers more power and better fuel economy in a smaller package, for uncompromising, high-performance driving.

The TVS supercharger's patented design features four-lobe rotors and high-flow inlet and outlet ports that greatly enhance thermal efficiency, deliver higher volumetric capacity, and enable higher operating speeds. The TVS supercharger is capable of running with a high thermal efficiency (up to 76 percent) across a very wide operating range.

The improvements incorporated into the TVS design allow for the use of a smaller supercharger, reducing the package size and weight of the system. The sizes range from 1320cc to 2300cc per revolution, and cover engines from 2.0litres up to large displacement V-engines. All TVS superchargers have a 2.4 pressure ratio capability and a thermal efficiency that exceeds 70 percent, which enables more compact packaging and greater output.

The twin four-lobe rotors feature 160-degree twists. The higher helix angle of the rotors coupled with a redesigned inlet and outlet ports, improves the TVS's air-handling characteristics without increasing the overall size of the unit. The TVS improved noise and vibration characteristics eliminate additional noise-reduction treatments, complexity and system cost.

The TVS Roots supercharger sets a new standard of boosting device performance and reaffirms Harrop's and Eaton's leadership in the performance automotive market.

The TVS product family consists of the following models:

- R900 - Tentatively available Q3 2011
- R1320
- R1900
- R2300



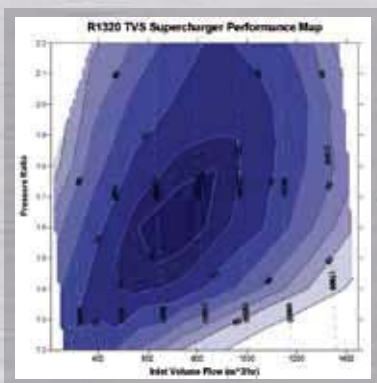
EATON Twin Vortices Series™ rotating assembly



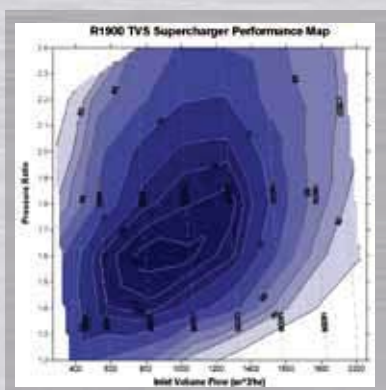
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HTV1320/HTV1900/HTV2300 Performance Charts

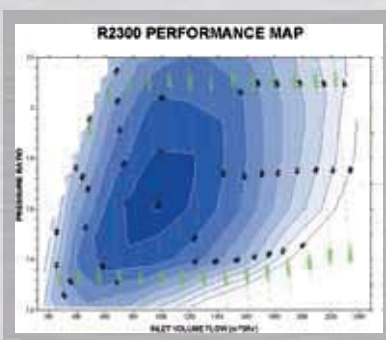
HTV1320



HTV1900



HTV2300



SUPERCHARGERS • BRAKES • DIFFERENTIALS • COOLING

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Powering Business Worldwide

* For full warranty details, please contact your local Harrop Performance representative.

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