Formula SAE: Powertrain
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Engine Choice: 2007 Honda CBR600RR
- Displacement – 599cc
- Cylinders – x4
- Estimated HP – 91 hp
- Peak Torque – 59 Nm
- Induction – Naturally Aspirated
- Compression Ratio – 12.2:1
- Fuel Injection System - DENSO Port Sequential Injection
- Lubricating Oil Management – Wet Sump System

Engine Management System: Motec M400
- Military grade environmental protection
- Powerful processor
- Advanced diagnostics
- Auto-Tune features
- Multi-point data logging
- Diverse tuning possibilities

Air Intake System: Custom Design
- Tuned intake manifold (8500 RPM)
- Material – ABS and Polycarbonate
- 3D-Printed with 100% Infill
- 3 piece assembly – Diffuser(top), Plenum(middle) & Runners(base)
- Plenum volume: 1500cc
- Restrictor Size: 20 mm
- Equal air distribution to each cylinder
- High temperature resistant runners

Exhaust System: Custom Design
- Tuned exhaust (8500 RPM)
- Size specs – 2.4 ft runner length, 1.25 in inner diameter, 2.25 in collector diameter
- Material – 1008 Carbon Steel (Mild Steel)
- 4-into-1 collector setup
- 12 degree convergence angle standard merge collector
- Yoshimura TRS TRI-Oval Carbon Fiber muffler
- Ease of installation and removal