

GEMINI DIESEL

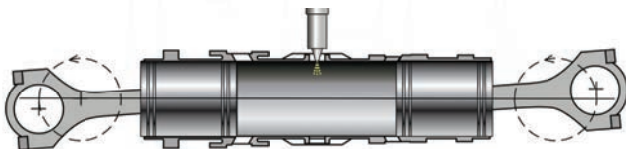
EVOLUTIONARY DESIGN. REVOLUTIONARY PERFORMANCE.



With the introduction of the all-new Gemini uniflow diesel engine, Superior Air Parts continues its history as a leader in making sport and general aviation engines greener, more attainable, more efficient and more affordable for pilots around the world.

Gemini is the first diesel engine developed from the ground up for the next-generation of experimental and light sport aircraft. Its unique uniflow, two-opposed-pistons-per-cylinder design offers a number of advantages, including:

- Highly efficient two-stroke operation
- Lighter weight with higher torque at lower RPM*
- Mechanically simpler design with fewer moving parts
- Green operations with much lower emissions
- Up to 20% lower fuel burn than avgas piston engines*
- Runs on Jet A, diesel or bio-diesel fuels
- Retrofittable with many current piston engine designs
- Modular design simplifies model growth



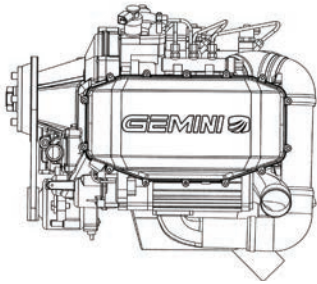
Gemini's unique Uniflow twin-piston design.

VISIT:
GeminiDiesel.aero

*Engine currently in development. Final specifications subject to change.



Potential Growth Opportunities



100 SERIES

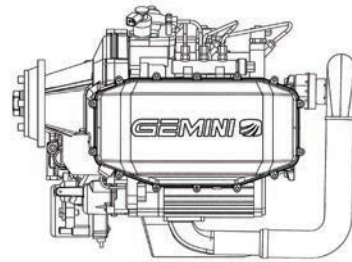
100 HP / 75 KW
3 Cyl, 6 Pistons
.38 BSFC

ENGINE DIMENSIONS

22.68" W x 15.75" H x 22.24" L
57.61 cm W x 40.00 cm H x 57.76 cm L

WEIGHT

159.5 pounds*
72.5 kg*



200 SERIES*

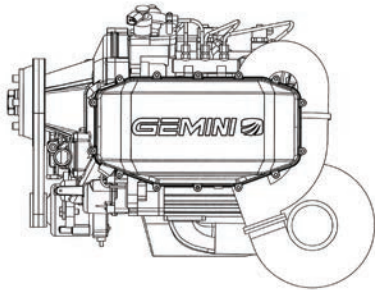
180-200 HP / 134-149 KW
3 Cyl, 6 Pistons
.386 BSFC

ENGINE DIMENSIONS

28.74" W x 16.34" H x 28.54" L
72.99 cm W x 41.50 cm H x 72.49 cm L

WEIGHT

276 pounds
125 kg



125 SERIES

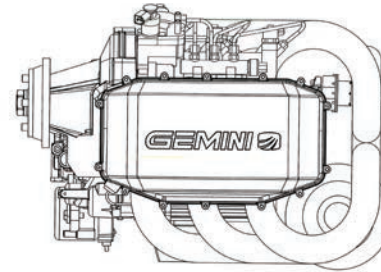
125 HP / 118 KW
3 Cyl, 6 Pistons
.378 BSFC

ENGINE DIMENSIONS

22.68" W x 15.75" H x 22.83" L
57.61 cm W x 40.00 cm H x 57.99 cm L

WEIGHT

174.9 pounds*
79.5 kg*



300 SERIES*

300-360 HP / 224-268 KW
3 Cyl, 6 Pistons
.36 BSFC

ENGINE DIMENSIONS

28.74" W x 18.70" H x 37.40" L
72.99 cm W x 47.50 cm H x 94.99 cm L

WEIGHT

386 pounds
175 kg

450 TURBO*

450 HP / 336 KW
5 Cyl, 10 Pistons
.36 BSFC

ENGINE DIMENSIONS

28.74" W x 21.65" H x 43.31" L
72.99 cm W x 54.99 cm H x 110.00 cm L

WEIGHT

474 pounds / 215 kg

550 TURBO*

550 HP / 410 KW
6 Cyl, 12 Pistons
.36 BSFC

ENGINE DIMENSIONS

28.74" W x 21.65" H x 48.03" L
72.99 cm W x 54.99 cm H x 121.99 cm L

WEIGHT

551 pounds / 250 kg

* Engine currently in development. Final specifications subject to change.