Liquid-Cooled
Charge Air Coolers
Improve Fuel Economy Without Sacrificing Performance

OEMs seeking smaller, more fuel-efficient engines that still pack a powerful punch can rely on Dana’s customized liquid-cooled charge air coolers, which maximize cooling while helping to reduce turbo lag by as much as 75 percent.

Ideal for both gasoline and diesel engines, liquid-cooled charge air coolers help engines deliver more power and torque at lower vehicle speeds and throughout the operating range – requiring 25 percent less package space and offering 10 percent greater heat rejection than competing coolers.*

Customized Cooling Solutions

Fused together via Dana’s proprietary fluxless brazing process, our stacked plate technology – plus air and coolant side enhancements – ensure that drivers feel an immediate response when accelerating. With heat transfer efficiency approaching 100 percent, liquid-cooled charge air coolers bring greater durability and reduced emissions to engines in light, commercial, and off-highway vehicle applications.

Unlike air-to-air coolers that are often packaged in front of the radiator, this technology is available in several configurations that can be packaged anywhere within the engine compartment, including:

- Integrated into supercharger housing
- Integrated into intake manifold
- Remote mounted, self-contained

With deep expertise and problem-solving ability in thermal-management applications, Dana provides solutions for turbocharged and supercharged vehicles that are customized to exact OEM needs.

*Per 2015 model year application
**Dependent upon competitive model and configuration