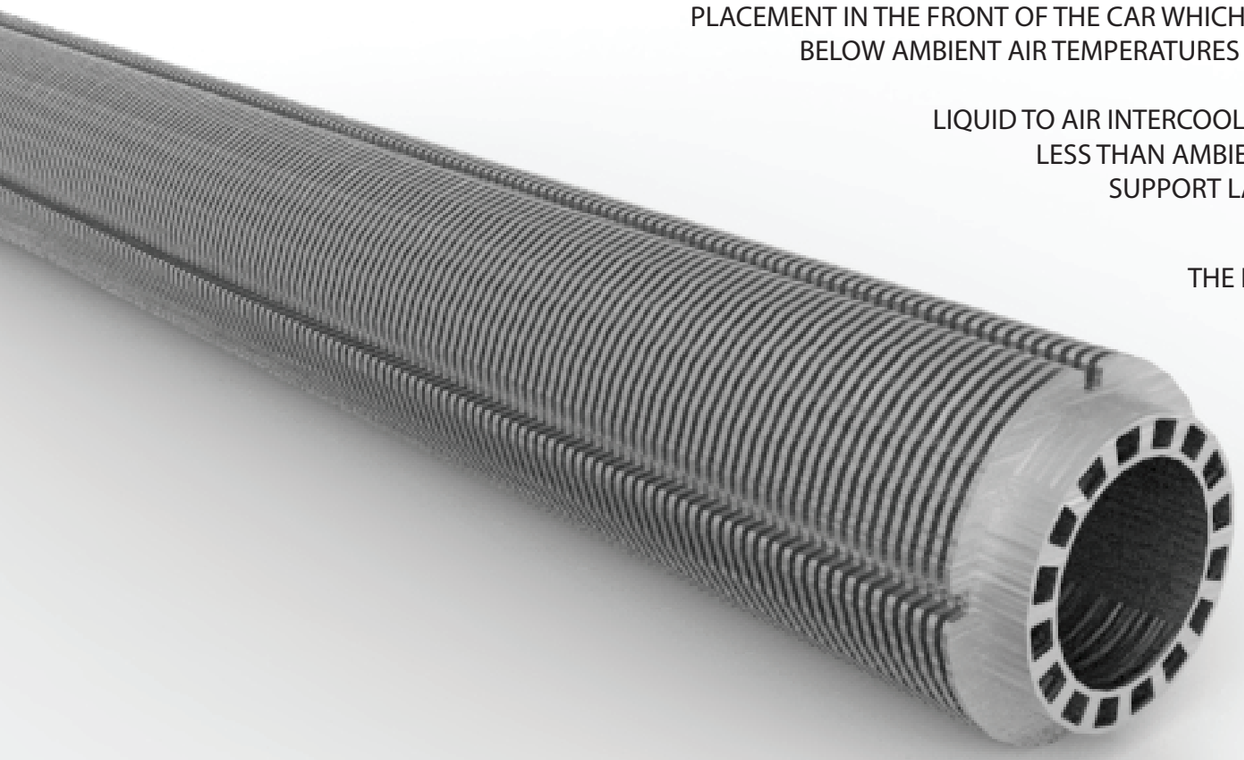
UTILIZATION OF THE LAMINOVA INTERCOOLING SYSTEM

THE TWO TYPES OF INTERCOOLING SYSTEMS THAT EXIST ARE THE AIR TO AIR TYPE INTERCOOLING SYSTEM AND THE LIQUID TO AIR TYPE INTERCOOLING SYSTEM. THE AIR TO AIR SYSTEM UTILIZES A RADIATOR THAT PASSES AIR THROUGH TUBES WITH FINS THAT DISSIPATE THE HEAT BY LETTING AIR FROM THE FRONT OF THE CAR PASS THROUGH IT

AIR TO AIR INTERCOOLING SYSTEMS CAN SOMETIMES BE LIGHTER FOR ROAD APPLICATIONS AND CONTAIN NO MOVING PARTS THEY ALSO REQUIRE VAST SIZES TO REDUCE THE INTAKE AIR TEMPERATURES TO A LOW ENOUGH LEVEL AND REQUIRE PLACEMENT IN THE FRONT OF THE CAR WHICH CAN CREATE SPACING ISSUES. IT IS ALSO IMPOSSIBLE TO ACHIEVE BELOW AMBIENT AIR TEMPERATURES USING AN AIR TO AIR INTERCOOLER



LIQUID TO AIR INTERCOOLERS CAN BE HEAVY AND SOMETIMES CAN BE COMPLICATED BUT THEY CAN EASILY ACHIEVE LESS THAN AMBIENT INTAKE AIR TEMPERATURES ARE MUCH MORE EFFICIENT, DO NOT HEAT SOAK AND CAN SUPPORT LARGE AMOUNTS OF HORSEPOWER

THE LAMINOVA INTERCOOLER SYSTEM IS COMMON IN HIGH POWER FORCED INDUCTION APPLICATIONS WHERE INTAKE AIR TEMPERATURES CAN EASILY APPROACH UNACCEPTABLE LEVELS AND NEED ADVANCED PROCEEDURES IN ORDER TO REDUCE THEM TO A LEVEL NECESSARY TO MAKE POWER.