

A/C BOOSTER

Product ID: 80232



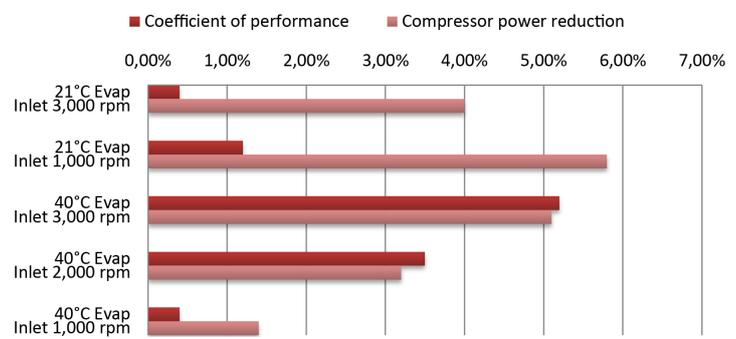
Product description

The A/C Booster is a high quality air conditioning improver for passenger cars and heavy duty vehicles. It does not only clean the air conditioning system, but improves and protects the performance as well. The A/C Booster cleans the Multi Air Conditioning (MAC) system by removing the oil residues. Thereby, it leaves a protective layer on these internal surfaces to keep a good performance. Next to protection, this layer enhances lubrication, improves heat exchange across the condenser and evaporator and enhances the refrigerant flow and improves the oil return to the compressor.

Improvement test

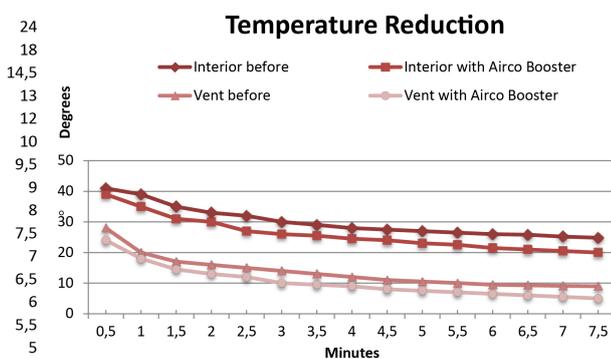
As stated in the product description above, the A/C Booster improves the heat exchange across the condenser and evaporator and improves the oil return to compressor as well. The A/C Booster has been tested on its performance by testing a Delphi V-5 compressor with and without the A/C Booster product. See the graph on the right for the results of this test

Improvement test



Temperature reduction test

Also a test has been done to find out if the A/C Booster improves the rate of cabin cooling. See the graph below for these results. As shown in the graph, the A/C Booster reaches the lowest temperatures on both indicators. This also has a positive effect on the humidity in the air climate. The windscreen will demist sooner with the A/C Booster. For heavy duty vehicles a test has been done with over 400 mixed vehicles which used the A/C Booster for 5 years. The amount of miles made was more than 13,000,000. In the outcome of this test it turned out that the maintenance costs relative to the air conditioning in terms of costs per mile decreased with 66%. Also the compressor replacements reduced from 20 to nil per year. Also a fuel economy improvement is measured of >1%.

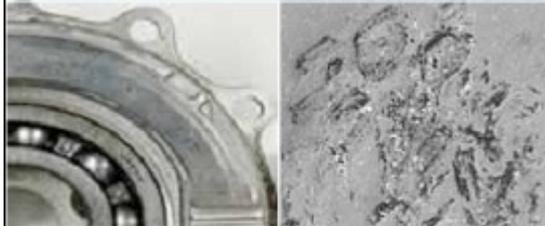


Fuel economy savings

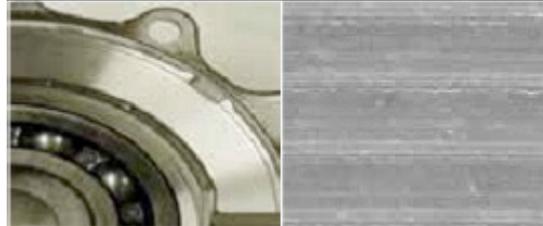
Fuel economy savings	Value
Vehicle fuel consumption with A/C on	10 lts/100 km
Annual mileage	20.000 km
% time A/C on (incl. defrost cycle)	70%
Average fuel price	€ 1,50
Total fuel cost without Airco Booster	€ 3.000,00
Total fuel cost with Airco Booster	€ 2.958,00
Cost saving per year on fuel	€ 42,00

Additionally

Bearing surfaces at SEM x1000 magnification:



Untreated



Treated with A/C Booster

Benefits

- ✓ Cleans the air conditioning system
- ✓ Better and more accurate temperature control
- ✓ Refines cooling process which results in less noise
- ✓ Works efficiently, less use of fuel economy
- ✓ Gives compressor a boost, which can result in longer life
- ✓ Protects the air condition system against wear
- ✓ Cleans and protects the air conditioning system on the inside.

Usage

Compatible for all passenger cars and heavy duty vehicles. The A/C Booster can be added to the compressor lubricant or can be applied on its own.

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