

Test Report – Fuel/Power consumption

Report Date: 2021-01-18

This report shows the difference in fuel/power consumption for different roof boxes mounted on different cars.

Tested Roof Boxes: Calix Aero Loader (AL), Calix H22, Calix H18

Test Vehicles: Volvo XC40 D2, Volvo V60 D4, Tesla Model 3



Figure 1 – Aero Loader mounted on Tesla Model 3

Table 1 – Test result overview*

Roof Box	V60		Tesla		XC40	
	AL	H22	AL	H22	AL	H18
Distance (km)	44,5	44,4	55,7	55,5	14,6	14,3
Average Speed (km/h)	110	110	100	100	110	110
Average consumption (l/100km, W/km)	5,82	6,15	207	221,5	7	7,5
AL vs H18/H22	-5%		-7%		-7%	

Test Results

Tests show that the fuel/power consumption is reduced (i.e. range extended) up to 7% with Aero Loader compared to H18/H22.

*All tests made on public roads. Test routes and dates chosen from a traffic flow situation and as low total elevation as possible.