

Highlights of C177RG data

From N2657V speed results

Altitude	RPM	MPH PFS gain	GPH Fuel flow	Miles per gallon	Change from stock (efficiency)	
2500	2400	6	0.7	-0.060	-0.62%	Notice PFS went faster but sacrificed efficiency.
2500	2500	5	0.7	-0.096	-1.00%	
2500	2700	6	0.7	-0.006	-0.07%	
8500	2400	8.2	0	0.825	5.23%	8.2 MPH faster on same fuel burn
8500	2400	0	-0.6	1.040	6.59%	PFS - Manifold pressure reduced to match stock speed
8500	2400	-4	-1.9	3.329	21.11%	PFS - 50 Lean of Peak
8500	2500	5.5	-0.3	0.979	6.45%	
8500	2700	4.25	0.2	0.151	1.01%	
11500	2200	7.67	-0.25	1.357	8.33%	
11500	2200	1	-2.00	5.085	31.23%	PFS - 30 lean of Peak compared to stock speed
11500	2300	5.8	-0.07	0.832	4.73%	
11500	2400	5.8	0.2	0.200	1.15%	
11500	2500	5.4	-0.1	0.734	4.56%	
11500	2500	0	-0.8	1.481	9.20%	PFS -reduced manifold pressure to same speed as stock
11500	2700	4	0.425	-0.264	-1.68%	

MPH