## Propane Bus Comparison Test

November 2019





**Propane Bus Benchmarks** 

IC / PSI

## **Blue Bird ROUSH**

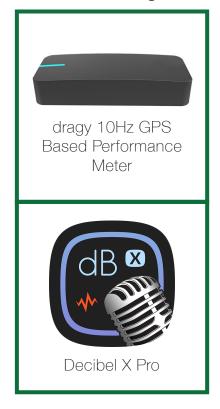
VEHICLE PERFORMANCE				
6.5% Long Grade Max Speed	53 mph	63 mph		
0-30 mph flat	7.53	7.35		
0-30 mph (2.09% Grade)	7.74	7.37		
0-30 (7.15% Grade)	13.69	10.41		
0-30 (11% Grade)	14.75	12.24		
0-60 mph flat	31.76	25.21		
0-60 (2.09% Grade)	Not achieved	31.92		
1/8th flat	15.56	15.18		
1/8th (2.09% Grade)	15.58	15.4		
1/8th (7.15% Grade)	18.25	17.11		
1/8th (11%)	18.87	18.96		
1/4 flat	24.46	23.61		
1/4 (2.09% Grade)	25.48	24.53		
1/4 (11% Grade)	31.51	31.77		

SOUND PERFORMANCE				
Cabin db acceleration	75.9	75.8		
Cabin db idle	62.1	60.8		
Cabin db 55 mph cruise	77.3	72.5		

VEHICLE SPECIFICATION				
Horsepower	270	320		
Torque	565	460		
Fuel Tank Capacity	92 usable	93 usable		
Rear Axle Ratio	5.57	6.17		
Transmission	Allison Auto	Ford Auto		
Tire Size	11R22.5	11R22.5		
Tire Tread	HWY Fr & Regional Haul Rr	HWY FR & Mud Snow Rr		
Capacity	77 PAX	81 PAX 3507		
Model Year	2020	2021		
Mileage	1,593	3776		
Fuel Fill Design	Staubli	Staubli		
Start Quality	Wait to Start Light	OTIS		

TEMPERATURE INFORMATION				
Ambient Temperature	21°F - 28°F	21°F - 28°F		

## Devices Used for Testing





## Key Takeaways

Does the "diesel-like performance" and high torque of the PSI engine deliver when the rubber meets the road?

- ✓ Blue Bird out performs on all 0-30 mph tests from flat to 11% grade.
- ✓ Blue Bird sustains a 10 mph higher speed on 6.5% grade over 2 miles.
- ✓ Blue Bird performs better on 11 out of 13 acceleration tests
- ✓ Blue Bird OTIS starting system eliminates hard starts experienced on competitive product.



For more information on the Propane Bus Comparision Study conducted, please contact your ROUSH CleanTech business development manager.

