

# Propane Bus Comparison Test

November 2019

**Dealer Use Only**



## 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
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## Devices Used for Testing



dragy 10Hz GPS  
Based Performance  
Meter



Decibel X Pro



## | 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 Comparison Study conducted, please contact your ROUSH CleanTech business development manager.

