

Blue Bird Vision CNG Bus:  
**THE NATURAL LEADER  
FOR CNG PERFORMANCE**



**Built to take on tomorrow.**



# GO WITH THE CNG LEADER

With Blue Bird's 25 years of CNG experience, we're familiar with the infrastructure and fuel providers in each area and can provide you with referrals for your fuel and station needs.

Our Vision CNG bus comes with the unwavering Blue Bird commitment to passenger safety, durability, service and support – including our dedicated team of field service engineers focused exclusively on school bus operations.

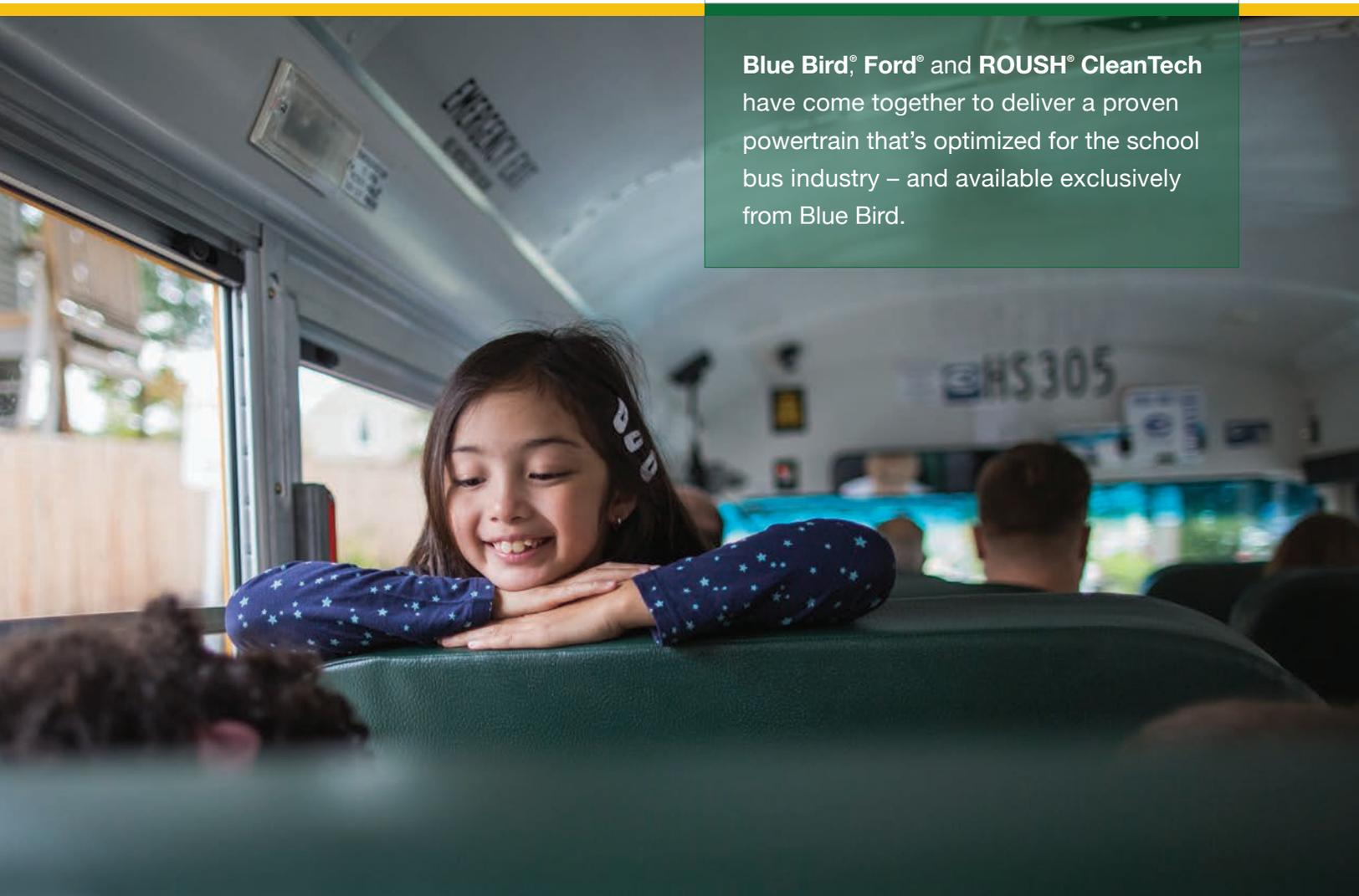
The extensive Blue Bird/Ford service network throughout the US and Canada assures quick turnaround on service. ROUSH CleanTech also provides ongoing support

through on-site or web-based technician training. The company also makes emissions and cost-savings data available to our customers.

Talk to your Blue Bird Dealer today about expanding your fleet with the alternative fuel option that's the natural leader in expertise, performance and operational efficiency: **the Blue Bird Vision CNG bus.**



**Blue Bird®, Ford® and ROUSH® CleanTech** have come together to deliver a proven powertrain that's optimized for the school bus industry – and available exclusively from Blue Bird.



# Blue Bird Vision CNG Bus DELIVERING THE CNG BUS YOU'RE LOOKING FOR

In recent research\*, **transportation directors, service managers and contractors** revealed the **3 most important attributes** they look for when choosing a Type C bus:

- **Safety**
- **Quality, reliability and durability**
- **Operating costs**

# #1

There are very good reasons why **Blue Bird ranked #1 IN ALL 3 CATEGORIES.**



**ALL THESE IMPORTANT ATTRIBUTES ARE NOW AVAILABLE IN BLUE BIRD'S LATEST ALTERNATIVE FUEL OFFERING: VISION CNG.**

## THE UNDISPUTED LEADER IN ALTERNATIVE FUEL

In addition to its top-ranked performance with the Vision school bus, **Blue Bird has been producing CNG buses for over 25 years with its All-American school bus.** We've leveraged this vast experience and our proven partnerships to produce the **best Type C CNG bus: the new Blue Bird Vision CNG.**



## Safety first – and always

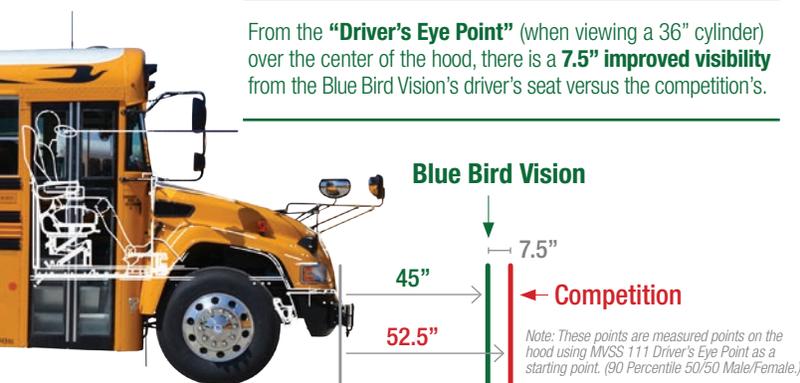
Blue Bird is always going above and beyond when it comes to safety, including:

- Superior driver visibility (the origin of the Vision name)
- Colorado rack testing for every Vision CNG bus
- Best-in-class turning radius

**No wonder Blue Bird's Vision CNG is ranked #1 in Safety\* over the competition.**

Just how important is our depth of experience and expertise? Here's one example: Blue Bird has taken what we've learned about the all-important positioning and protection of CNG cylinders in All-American buses, and applied this proven CNG design to our Vision.

From the **"Driver's Eye Point"** (when viewing a 36" cylinder) over the center of the hood, there is a **7.5" improved visibility** from the Blue Bird Vision's driver's seat versus the competition's.



\* Research conducted by Freedonia Custom Research for Blue Bird

## Superior quality, reliability & durability

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To ensure its performance in the real world, Blue Bird tested the new Vision CNG bus up the famous Davis Dam Grade on the Arizona-Nevada border. It successfully pulled an 11.4-mile-long, 3% grade fully loaded to student capacity – with the air conditioning running.

Also, the Vision CNG delivers the functional objective of a minimum 250-mile range for fuel, assuring top deliverability. From the powertrain to the rugged chassis, every single part of this quality-built bus contributes to its passenger safety, reliability and long life.



Blue Bird performs full vehicle accelerated durability testing that approximates 300,000 miles service life of the vehicle at an automotive proving ground. This rigorous evaluation includes cobblestones, inverted chatter bumps, impact bumps, undulated road, staggered bumps for chassis torsion and resonance road.

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## All the ways the Vision CNG lowers operating costs

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### FUEL EFFICIENCY

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**Weighing in at 275 lbs. lighter than the competition,** the powertrain of the Vision CNG is the lowest weight available on a Type C bus. Its lighter powertrain and tanks give Blue Bird a real fuel economy advantage.

Standard Dual Side Fuel Fill saves driver time by allowing the bus to be filled on either side. This bus even has two fill options: Time Fill (standard) that allows the driver to connect and walk away, or optional Fast Fill that cuts fill time in half.



### POWERFUL POWERTRAIN ADVANTAGES

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**Blue Bird teamed up with Ford to give our Vision CNG bus the same rugged powertrain used by Ford Commercial Duty Trucks, optimized by ROUSH CleanTech for our bus application.** The result is a commercial-duty bus powertrain that's robust, reliable – and takes advantage of a strong existing partnership between Ford and ROUSH CleanTech. This proven powertrain offering is now brought to the school bus industry exclusively by Blue Bird.

The Vision CNG's **Ford 6.8L V10 spark-ignited engine** has a long history of success. For over two decades, Ford has used modular engines, including the 6.8L, and they have proven their durability and reliability in the commercial truck market year after year. It's no wonder that this Vision CNG bus comes with a **5-year, unlimited-mile warranty** on the engine, transmission and entire fuel system.

The **Ford 6R140 transmission** is a 6-speed automatic with strong competitive advantages, including higher shift speeds, lower weight, and an all new Torque Converter with low speed lock up capability. This converter avoids slippage and allows the engine to run smoothly and efficiently at any rpm.

**Seamless integration:** Blue Bird has also partnered with ROUSH CleanTech, the leader in alternative fuels, to assure seamless powertrain integration through specific calibration. The company takes Ford's base calibrations for the 6.8L engine and optimizes them for CNG fuel, creating a truly efficient CNG bus to optimize powertrain matching for school bus applications.

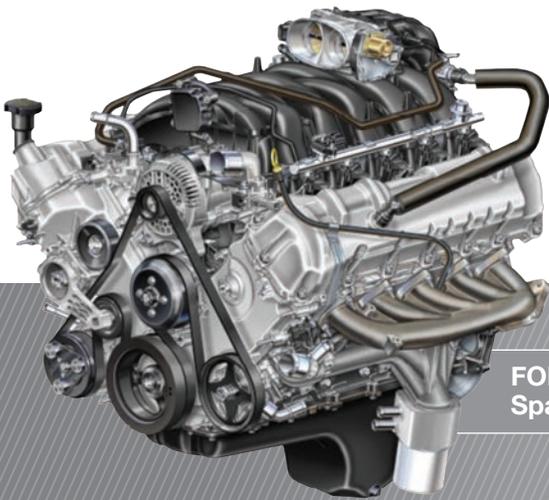
ROUSH CleanTech is one of the only companies given access to Ford's calibrations. This close working partnership between two industry leaders assures you that all Blue Bird alternative fuel buses are custom designed to perform.

By providing one platform across all alternative fuel types, Ford and ROUSH CleanTech also make it easy to service the engines for all Blue Bird CNG, propane, and gasoline buses in your fleet.

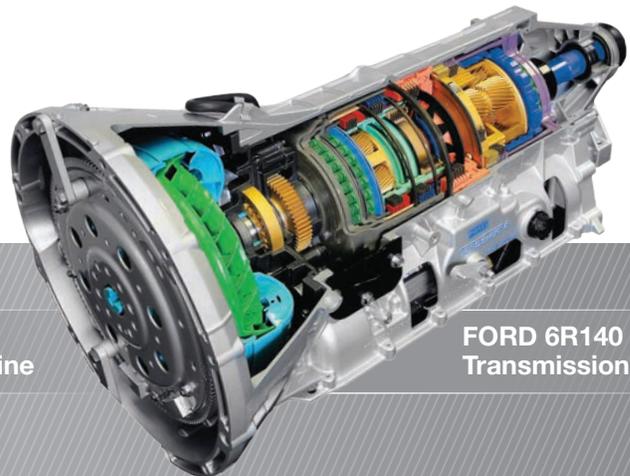
## SIMPLIFIED EMISSIONS SYSTEM

Ford recently updated their emissions system, resulting in improved emissions performance (CO2 greenhouse gas reduction) in 2016. This system saves time and money, requiring less tech training, less labor and less product inventory. Parts and supplies are easily accessible and affordable. Plus the uncomplicated engine makes it easier to find qualified techs at a reasonable rate. It all adds up to **lower maintenance costs**.

The Vision CNG bus tested at 0.1g NOx, going beyond the normal 0.2g NOx standard to **deliver the best performance to the market.**



FORD 6.8L V10  
Spark-ignited Engine



FORD 6R140  
Transmission

This powertrain **meets stringent emission standards**, plus Ford is well positioned to meet all future fuel economy and emission targets.

**New Torque Converter** with low speed lock up capability down to 900 rpm.

**Estimated range:** greater than 250 miles

**Another exclusive:** ROUSH CleanTech **Front End Accessory Drive (FEAD)** includes belts for Dual TM-21 air conditioner, compressors, alternator & power steering pump. (Air compressor & AC compressors are optional.)

**Easy start-up (no wait to crank)** and quiet engine operation

## SPECIFICATIONS

CAPACITY	Multiple floor plans available with passenger seating up to 78
EXTERIOR WIDTH	96"
INTERIOR WIDTH	90 3/4"
AISLE WIDTH	Varies by floor plan
SKIRT LENGTH	25 3/4"
INTERIOR HEIGHT	77"
OVERALL HEIGHT	122" - 128"
WHEELBASE	217"/252"/273"/280"
OVERHANG	45" front overhang with standard steel bumper. Rear overhang varies by body length/wheelbase
FUEL CAPACITY	SAE Type III Composite wrapped aluminum located outboard of frame within wheelbase and inboard of frame in rear overhang

WB	Body Model	SCF@ 70F/3600psi	DGE	GGE
217"	2508/2610	6554	47	53
252"	3011	6968	50	56.5
273"	3303/3310	7692	55	62
280"	3507	7692	55	62

FUEL FILL	Left and right fuel fill forward of rear axle
ENTRANCE DOOR	27" wide x 78" high/double door
REAR DOOR	37" wide x 52" high
TRANSMISSION	Ford® 6R140 - 6 speed automatic
ENGINE	Ford® three-valve 6.8L V10 CNG fuel system, approximately 269 hp
TIRE SIZE	11R22.5 (G) all-position radials
ALTERNATOR	Available in 240, 270, and 320 amps with 12 volts
BRAKES	4-channel antilock brake system; hydraulic disc, air drum and air disc brakes available
SUSPENSION	Soft ride front leaf spring suspension (rating varies by capacity); Air suspension available
STEERING	Tilting & telescoping steering column
FRONT AXLE	Front axle (rating varies by capacity)
REAR AXLE	Rear axle with 6.17 hypoid single reduction gears
WHEEL CUT	50°
GVWR	Up to 33,000 lb.

***For more information, contact your local Blue Bird Dealer.***

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