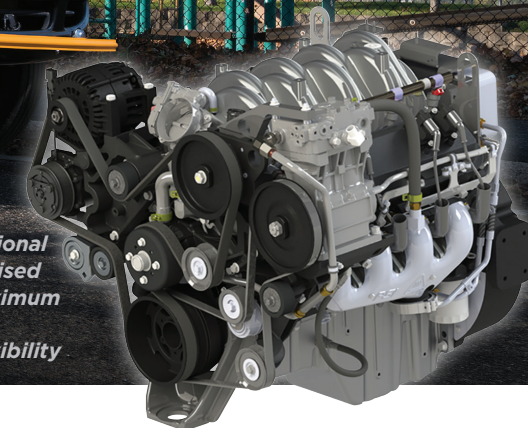


GASOLINE & PROPANE  
8.8L V-8



# PURPOSE BUILT FOR THE SCHOOL BUS INDUSTRY

*Power Solutions International (PSI) 8.8L — uncompromised power performance, maximum fuel efficiency, emissions certification and fuel flexibility*



## HEAVY-DUTY DESIGN

- ▶ Forged, induction-hardened crankshaft
- ▶ Forged rods and pistons
- ▶ Oil bath lubrication provides piston cooling
- ▶ Low engine-speed design produces less noise, heat and wear than competitor gasoline and propane engines

## SERVICEABLE

- ▶ Both the engine compartment and engine provide best-in-class accessibility for easy maintenance
- ▶ Includes the industry's only one-stop warranty for gasoline and propane vehicles
- ▶ Allison Transmission 7-year / Unlimited mileage warranty
- ▶ Industry's broadest, most capable parts distribution and dealer network

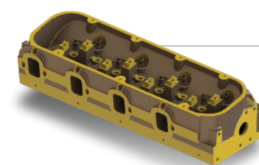
## ALLISON TRANSMISSIONS

- ▶ Shorter, sturdier shaft has increased durability vs. Ford
- ▶ Over 44% more clutch material vs. Ford so it holds gear and lasts longer in the toughest operation
- ▶ Heavy-duty park pawl better secures vehicle
- ▶ Same transmission used across all IC Bus® powertrains for ease of maintenance

## POWER OF CHOICE

- ▶ Gasoline and Propane versions use same engine block providing an easy solution for mechanics and drivers of mixed fleets
- ▶ Gasoline and Propane make cold weather startup easy
- ▶ Upfront cost is lower for gasoline compared to diesel

## DEVELOPED FROM THE BLOCK UP TO BE RELIABLE AND DURABLE



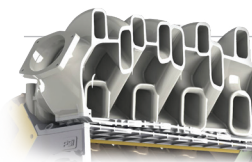
### CYLINDER HEADS

Modernized, heavy-duty, high-flow heads create fast burn to improve efficiency and reduce emissions



### CRANKSHAFT

Forged and induction-hardened steel crankshaft creates durable block capable of 1,000+ ft-lb of torque



### INTAKE MANIFOLD

Tuned long-runner provides higher torque and special air gap design keeps engine air cooler for improved efficiency

## ENGINE COMPARISON: IC BUS® VS. BLUE BIRD

# PSI 8.8L V-8 vs. FORD 6.8L V-10

PSI 8.8L V-8	GASOLINE	PROPANE
<b>Displacement</b>	8.8L	8.8L
<b>Rated Horsepower</b>	265 hp @ 2600	270 hp @ 2600
@ 1000 RPM	95 hp	103 hp
@ 2000 RPM	202 hp	215 hp
<b>Rated Torque</b>	548 lb.-ft. @ 1800	565 lb.-ft. @ 1500
@ 1000 RPM	500 lb.-ft.	540 lb.-ft.
@ 2000 RPM	530 lb.-ft.	564 lb.-ft.
<b>Bore/Stroke</b>	4.35" x 4.50"	4.35" x 4.50"
<b>Compression Ratio</b>	9.1:1	10:1

### RPM / HORSEPOWER

The PSI 8.8L low engine speed design drives like a diesel, with no compromise on engine power and reliability.



FORD 6.8L V-10	PROPANE
<b>Displacement</b>	6.8L
<b>Rated Horsepower</b>	362 hp @ 4750
@ 1000 RPM	71 hp
@ 2000 RPM	160 hp
<b>Rated Torque</b>	457 lb.-ft. @ 3250
@ 1000 RPM	375 lb.-ft.
@ 2000 RPM	420 lb.-ft.
<b>Bore / Stroke</b>	3.55" x 4.17"
<b>Compression Ratio</b>	9.2:1

DISPLACEMENT: **6.8L** | RATED POWER: **362 HP** | RATED TORQUE: **457 LB-FT**

DISPLACEMENT: **8.8L** | RATED POWER: **265-270 HP** | RATED TORQUE: **548-565 LB-FT**

### WARRANTY COVERAGE — ADVANTAGE: IC BUS®

PSI POWERTRAIN:  
**5-year / Unlimited miles**

ALLISON TRANSMISSION:  
**7-year / Unlimited miles**

When it comes to servicing your IC Bus®, you can count on the broadest, most capable dealer network in the industry — no matter what component needs attention. In contrast, a Blue Bird customer will need to visit either Ford or Roush depending on the service requirement.

**The simplicity of the IC Bus® warranty means less frustration and quicker service.**

### CAN I GET MY BUS SERVICED AT A BUS DEALERSHIP?

SERVICE	IC BUS	BLUE BIRD
Gasoline Engine:	YES	NO
Gasoline Fuel System:	YES	NO
Propane Engine:	YES	NO
Propane Fuel System:	YES	NO

### ALLISON 2000 SERIES™ TRANSMISSION ADVANTAGE

#### ALLISON SHAFT

- ▶ **Shorter sturdier shaft** has increased strength and reliability vs. Ford



#### ALLISON C1 CLUTCH

- ▶ **8.3%** more clutch material vs. Ford
- ▶ Better holding force and delivering more power to the drive wheels



#### ALLISON C5 CLUTCH

- ▶ **44.2%** more clutch material vs. Ford
- ▶ Holds 1st gear and lasts longer in the toughest operation



#### ALLISON PARK PAWL

- ▶ **Heavy-duty** park pawl better secures vehicle when you need it most



www.ICBus.com

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