

Hybrid-Drive Systems

Applications: Start/stop driving for:

- Shuttle Buses
- School Buses
- Delivery Trucks
- Dump Trucks

VTM Systems Retrofit Existing Vehicles

Benefits from Installing VTM System

- 20-25% better mpg
- 20-25% lower emissions
- Reduced brake wear
- Regenerative braking
- Transferable to a similar vehicle
- Low voltage
- Vehicle operates if system failure
- No special driver training...and more

Variable Torque Motors



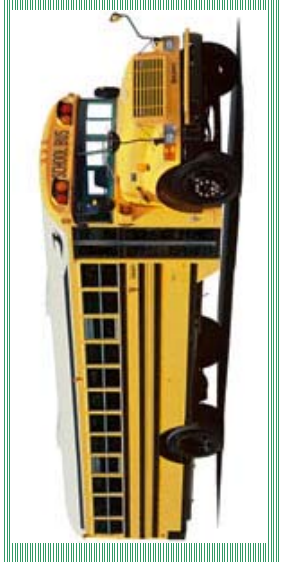
VTM Series 3000

Hybrid-Electric Drive System

260-747-3633

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Series 3000 Fuel Savings

Can VTM Reduce Fuel Cost? Yes.

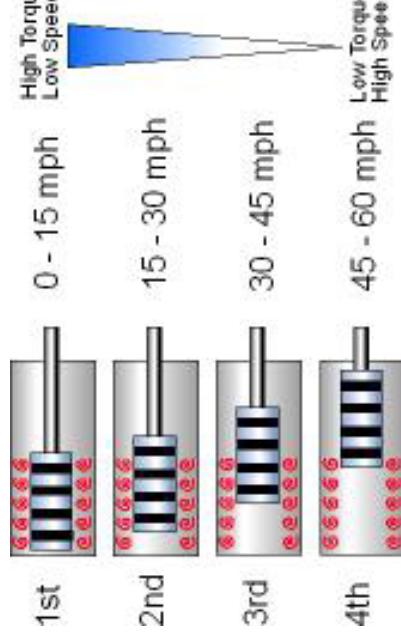
1. Check annual miles
2. Check average mpg
3. Note savings at \$3.00 – VTM saves 20–25% fuel in start /stop

Fuel Consumption (Gallons)	
	Annual Miles Driven
MPG	20,000m
4	5,000
6	3,333
8	2,500
10	2,000
	40,000m
	10,000
	6,667
	5,000
	4,000
	6,000
Fuel Cost at \$3.00 per Gallon	
	Annual Miles Driven
MPG	20,000m
4	\$ 15,000
6	\$ 10,000
8	\$ 7,500
10	\$ 6,000
	\$ 15,000
	\$ 12,000
	\$ 22,500
	\$ 18,000
VTM System -- Annual Fuel Cost Savings	
	Annual Miles Driven
MPG	20,000m
4	\$ 3,750
6	\$ 2,500
8	\$ 1,875
10	\$ 1,500
	\$ 7,500
	\$ 5,000
	\$ 3,750
	\$ 4,500

Fuel savings calculator www.variabletorquemotors.com

VTM Patented Motor Shifts

VTM patented motor shifts – as rpm’s increase the rotor separates from the stator. Think how a transmission helps a car, truck – combining low-end torque (acceleration), higher top-end speed and improved efficiency over a range of speeds. What if your truck had one gear? Not very efficient. Shifting increases mpg – for trucks and VTM users.



What Happens if VTM System Fails? As they say, “Keep on trucking.” The system locks its in position – 1st, 2nd, 3rd or 4th –



VTM Benefits vs. Other

AC Drive Systems

- Retrofits many trucks
- ROI faster
- Less space – 60% savings in some cases
- Simplicity. No complex systems.
- Weight savings vs. hydraulic systems.

Need help? Contact us.

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