



OVERVIEW

AxleTech partnered with Wrightspeed on a custom axle incorporating Wrightspeed's proprietary GTD™ (Geared Traction Drive). The Wrightspeed GTD™ has the power to climb grades as steep as 40% (22°, 1:2.5), hauling the same loads you carry today. With Wrightspeed's Fulcrum™ on-board turbine generator, the same fuel can take you twice as far, requiring no exhaust after-treatment. The AxleTech and Wrightspeed electric axle is used in many class 8 refuse collection trucks and class 7 city transit buses.

FEATURES & BENEFITS

Electric motors	Allows for maximum torque at low speeds
Regenerative braking	Benefits most when frequently stopping heavy vehicles
Range-extending generator	More power for weight using a turbine generator
Transmission	Sophisticated software replaces heavy hydraulic ATS
Fuel consumption	Reduction of up to 60% over conventional drivetrains

AXLE TECHNICAL SPECIFICATIONS

Wrightspeed electric powertrain	Route 500	Route 1000
AxleTech drive axles	1 axle; independent control each wheel	2 axles; independent 4WD control
Axle rating lb (kg)	23,000 (10,433)	46,000 (20,865)
Brakes	Air disc brakes	Air disc brakes
Horsepower (peak)	600	1,200
Horsepower (continuous)	300	600
Torque at each driven wheel ft-lb (Nm)	13,000 (17,626)	13,000 (17,626)
Traction control	Independent 4WD	Independent 4WD



ROUTE™ EV POWERTRAIN

Wrightspeed electric powertrain	Route 500	Route 1000
Wrightspeed GTD units	Dual GTD	Double Dual GTD
Maximum GVWR lb (kg)	33,000 (14,969)	66,000 (29,938)
Fulcrum generators	1	1
Horsepower	250	400
Braking	500 HP	1,000 HP
Maximum grade	40% at max GVWR (22°, 1:2.5)	40% at max GVWR (22°, 1:2.5)
Max speed (configurable)	50-72 mph	50-72 mph
Range	27 miles (pure EV)	24 miles (pure EV)
Range-extended electric drive (REV)	Standard	Standard

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