

GENERAL MOTORS ARTICULATED DIESEL

Fact Sheet

Following are the major features of the GMC diesel bus currently being tested by Edmonton Transit:

- Length: 60 feet
- Width: 102 inches
- Passenger capacity: 69 seated; 35 standing for a total of 104
- Turning circle: 43 feet, 8 inches
- Weight: 33,260 pounds
- Three-axle configuration
- Engine: Detroit Diesel Allison 8V - 71N, with 255 HP at 1,200 RPM.
- Transmission: DDA automatic with three forward, one reverse
- Doors: three sets:
 1. Front - two-section "slide-glide" operated
 2. Middle - two-section treadle operated
 3. Rear - two-section treadle operated
- Windows:
 - 10 fully opening
 - full-length standee windows
 - two-piece curved front windshield
 - one-piece safety float glass in rear window
- Heating and Ventilation:
 - underfloor hot water, forced air (114,000 B.T.U.)
 - dash heater and defroster (41,000 B.T.U.)
 - booster unit - Webasto fuel fired 80,000 B.T.U.
- Battery: Globelite 204 amp. hours (two)
- Body: reinforced monocoque construction with steel bulkheads
- Floor is 3/4 inch by 7-ply fir plywood
- Push-style turntable
 - using hydraulic cylinders and a hydraulic accumulator along with steering and articulation sensors, the system is able to:
 - a. limit relative angular motion between front and rear sections to less than 7 degrees at normal speeds in a straight direction.
 - b. provide full damping action to restrict angular motion to $\pm 1\frac{1}{2}$ degrees at highway speeds.
 - c. ensure acceptable articulation angle for anti-jackknife control.
- Six double-action shock absorbers
- Suspension:
 - four radius rods at each axle
 - full air suspension