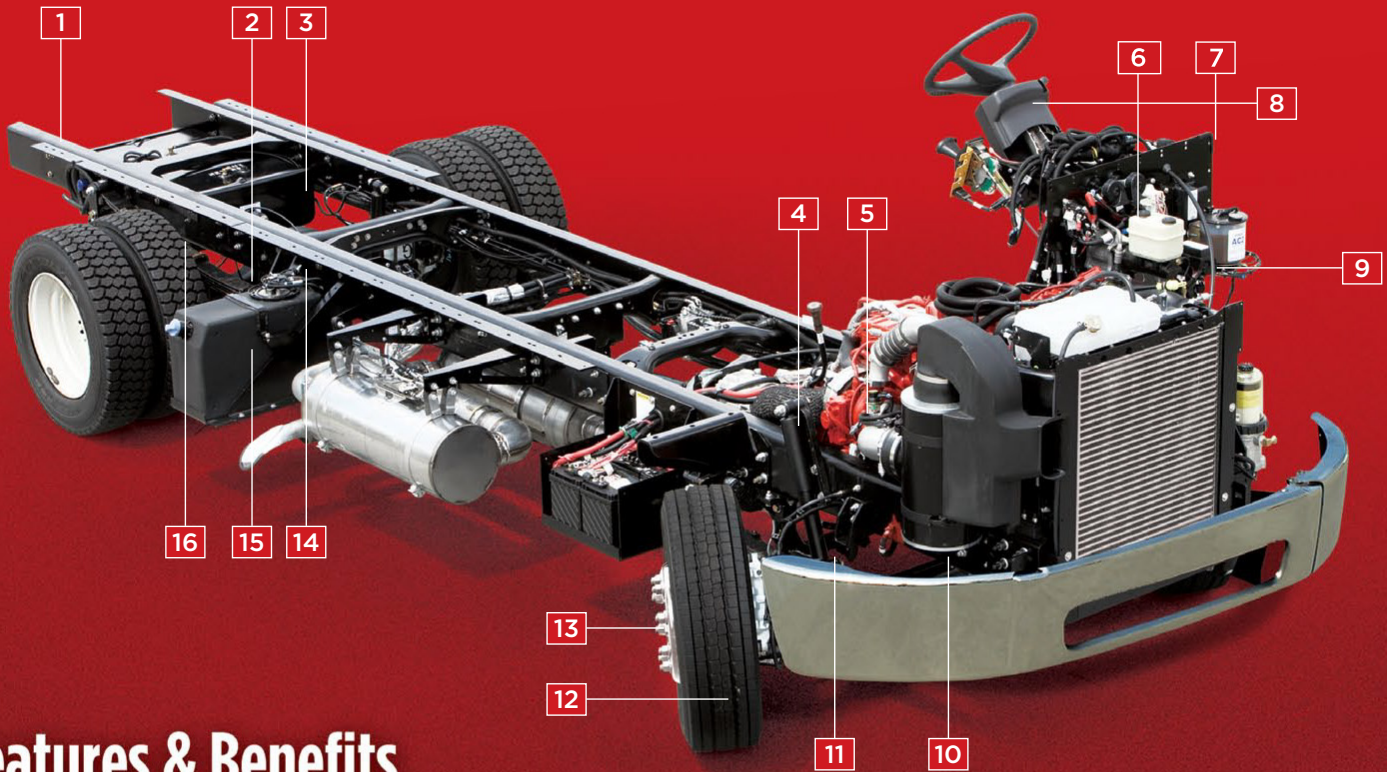


MT-55 Series Chassis

The Optimum Heavy-Duty Chassis



Features & Benefits

The MT-55 heavy-duty chassis offers a gross vehicle weight rating of between 20,500 and 30,000 lb. and can accept bodies with more than 1,500 cubic feet of volume. With a massive payload capacity of up to 19,000 lb., the MT-55 is the perfect choice for high-payload applications like newspaper delivery, utilities and tool trucks.

1. Durable 9 1/8" x 2 13/16" x 5/16"-thick full-section steel straight-rail frame—among the largest in the industry—reduces flex and bowing to minimize chassis stress while carrying up to 19,000 lb. of cargo
2. Detroit Axle ARS-13.5-2 13,500 lb. F-series rear axle
3. 40-gal. rectangular aluminized steel fuel tank mounted between the frame rails provides fewer fuel stops and enhances safety, left-hand or right-hand fuel fill
4. Allison® 2000 Series HS heavy-duty automatic transmission delivers smooth, precise shifting and improves fuel economy
5. Cummins® 6.7L ISB10 200-hp EGR diesel engine provides durability and lower maintenance costs and produces an excellent balance of low-end torque and high-end acceleration
6. New multiplex sealed instrument cluster and message center with full feature gauge cluster—including electronic fuel level, electronic coolant temperature, electronic engine-oil pressure and electronic speedometer— provide accurate, instant feedback; vehicle information display monitors engine and transmission diagnostics and 30 separate chassis functions
7. Larger operator station for permanent mounting of wiring, hand brake and cables
8. TRW® power steering system and 50-degree wheel cut offer better maneuverability in tight spots (wheel cut may vary, based on optional equipment)
9. Accessible fluid check and fill locations provide easy maintenance
10. Detroit Axle AF-8.0-2 8,000 lb. front axle
11. Taper-leaf spring front suspension, rated at a standard 7,000 lb., provides solid, smooth ride.
12. 245/70R 19.5" radial tires provide an extra-wide, extra-deep tread to deliver durability and scrub resistance
13. Four-wheel hydraulic ABS disc brakes deliver reliable, uniform stopping power and better steering control during emergency situations; standard pin-slide brake configuration reduces maintenance time and saves money; air brakes optional
14. Spicer® SPL 70 series drive shafts with grease zerks
15. SCR technology utilizes diesel exhaust fluid (DEF) to reduce NOx levels allowing for more optimized combustion, better fuel efficiency, increased power, less wear on the engine, reduced maintenance, fewer regenerations and better reliability for less downtime compared to an in-cylinder EGR engine
16. Flat-leaf spring rear suspension, rated at a standard 13,500 lb., minimizes cargo shifts on uneven road surfaces; optional Airliner® air suspension rated from 18,000 to 20,000 lb. available

STANDARD FEATURES AND OPTIONS MT-55 SERIES

The Optimum Heavy-Duty Chassis

MT-55 SERIES CHASSIS

Vehicle Weight Ratings	20,500 lb. to 30,000 lb.
Engine	200 hp Cummins® 6.7L ISB10 EGR 6-cylinder diesel with 520 lb./ft. torque @ 1,600 rpm
Optional engines	220 hp Cummins 6.7L ISB10 EGR with 520 lb./ft. torque @ 1,600 rpm 240 hp Cummins 6.7L ISB10 EGR with 560 lb./ft. torque @ 1,600 rpm 260 hp Cummins 6.7L ISB10 EGR with 660 lb./ft. torque @ 1,600 rpm 300 hp Cummins 6.7L ISB10 EGR with 660 lb./ft. torque @ 1,600 rpm (for emergency applications only)
Cooling system	690 sq. in. downflow, front-mounted radiator; pre-mixed 50/50 ethylene glycol antifreeze to -35° F; ADC electric on/off fan clutch
Engine equipment	Engine-mounted oil check; frontal air intake with Farr® ECO BC air cleaner mounted on rail; Denso® 12-volt starter; Delco Remy® 160-amp, 24SI alternator; 2 Alliance® 931 MF batteries delivering 1300 CCA
Optional engine equipment	Leece-Neville® 200-amp and 270-amp alternator Alliance 1400, 1520 and 1900 CCA batteries Phillips® 1,000-watt block heater
Transmission	Allison® 2100 HS series automatic
Optional transmission	Allison 2100, 2200, 2500 HS/RDS/EVS; automatic 2200 with park pawl
Exhaust	Single horizontal inboard ATD, outboard SCR with tailpipe exiting forward of rear axle, right-hand side
Optional exhaust	In-line system with 190" greater wheelbase with left-hand front and rear tire exit
Axles	
Front	Detroit Axle AF-8.0-2, 8,000 lb.
Optional front axles	Detroit Axle AF-10.0-3, 10,000 lb., Meritor® FC-965 8,000 lb.
Rear	Detroit Axle ARS-13.5-2, 13,500 lb. F-series rear axle; 4.10 ratio
Optional rear axles	ARS-17.5-2, 17,500 lb.; ARS-19.0-2, 19,000 lb.; ARS-20.0-2, 20,000 lb.; Axle ratios: 4.30 4.56, 4.78, 5.13 and 5.57 Meritor® RS-15-120, 15,000 lb.; RS-17-144, 17,500 lb.; RS-19-145, 19,000 lb. and RS-19-144, 20,000 lb.
Suspension, Steering, Brakes	
Front	Taper-leaf spring, 7,000 lb., shock absorbers
Optional front suspension	Taper-leaf spring, 8,000 lb., 9,000 lb. and 10,000 lb.
Rear	Flat-leaf spring, 13,500 lb., shock absorbers
Optional rear suspension	Taper-leaf spring, 15,000 lb., 17,500 lb., 20,000 lb. Airliner® air suspension rated from 18,000 to 20,000 lb.
Steering	TRW® steering column, steering gear; 50-degree wheel cut (wheel cut will vary, based on optional equipment)
Brakes	4-wheel 2.6" dual-piston hydraulic disc brakes with ABS
Optional brakes	Air brakes
Tires	245/70R 19.5", 14-ply; 225/70R 19.5", 14-ply; 255/70R 22.5", 16-ply
Wheels	Accuride® 19.5" x 6.75", 8 hub-pilot steel disc brakes
Optional tires and wheels	22.5" tires; 19.5" and 22.5" aluminum wheels; 22.5" steel wheels
Frame	5/16" x 2 13/16" x 9 1/8" steel frame, 80,000 psi, 10.8 section modulus
Wheelbase	178"
Optional wheelbase	Wheelbase lengths 158", 190", 208", 218", 250", 276" and 300"
Fuel Tank	40-gal. rectangular, aluminized steel fuel tank mounted between the frame rails, left-hand or right-hand fuel fill
Optional fuel tanks	30- and 40-gal. tanks available in optional aluminum 30-, 60-, 90-gal. aluminized steel fuel tank mounted between the frame rails, left-hand or right-hand fuel fill
DEF Tank	10-gal. plastic tank mounted on the right-hand side forward of the rear axle
Cab and Equipment	Operator station; single electric horn; TRW straight, fixed steering column; four-spoke 18" charcoal steering wheel
Optional cab equipment	Tilt, tilt/telescopic TRW steering column Cab AC prep kit
Instrumentation	Multiplex wiring instrument cluster; gauges include electronic fuel and DEF level, electronic engine coolant temperature, electronic engine-oil pressure, electronic speedometer with odometer, voltmeter, vehicle information display

Call Freightliner Custom Chassis Corporation at (800) 545-8831, or visit us on the Web at freightlinerchassis.com.

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