

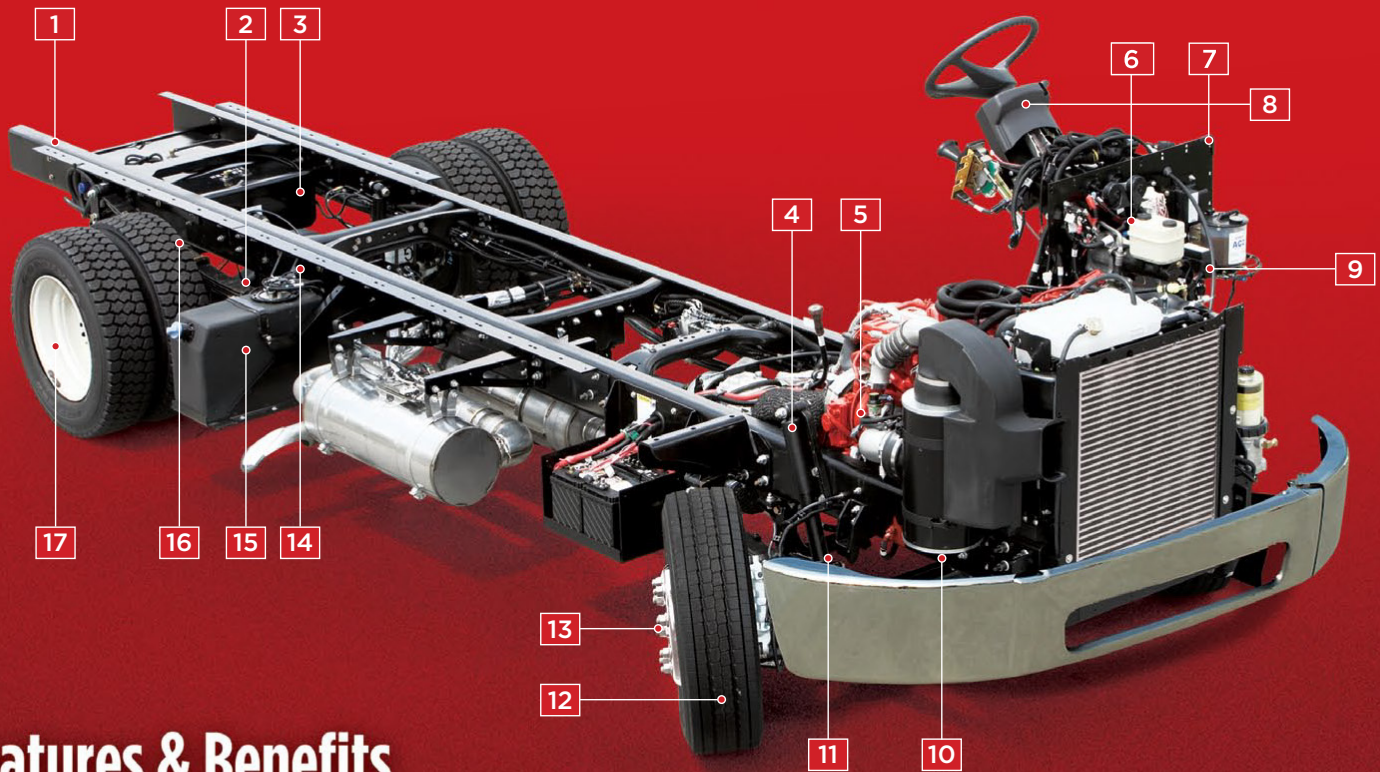


Custom Chassis

MT-45 Series Chassis

Payload and Cargo Capacity to Spare

Driven By You



Features & Benefits

The MT-45 medium-duty chassis offers a gross vehicle weight rating between 14,140 and 19,500 lb., can accept bodies up to 22 feet in load length and can accept volumes of up to 1,150 cubic feet. With a hefty payload capacity of up to 10,000 lb., the MT-45 is the ideal choice for applications requiring large cargo and heavy goods.

1. Durable 8" steel straight-rail frame with 3" flanges and rugged dogbone crossmembers reduces flex and bowing to minimize chassis stress while carrying up to 10,000 lb. of cargo
2. Latest-technology axles from Detroit Axle ARS-13.0-2 13,000 lb. 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® 1000 HS automatic transmission delivers smooth, precise shifting and improves fuel economy; standard park pawl effectively locks transmission output shaft, thereby preventing rotation of the driveline
5. Cummins® 6.7L ISB10 200-hp EGR diesel engine, known for durability and lower maintenance costs, provides an excellent balance of power and fuel efficiency
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® steering column and Sheppard MD83 steering gear with 50-degree wheel cut offer superb maneuverability in tight spots (wheel cut may vary, based on optional equipment)
9. Accessible fluid check and fill locations provide easier maintenance
10. Detroit Axle AF-8.0-2, 8,000 lb. front axle
11. Flat-leaf spring front suspension, rated at a standard 5,790 lb. with front sway bar, provides solid, smooth ride
12. 225/70R 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 brakes reduce maintenance time and save money
14. Spicer® SPL 70 Series drive shaft with grease zerks increases reliability and reduces maintenance
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 9,200 lb., minimizes cargo shifts on uneven road surfaces
17. Accuride® 19.5" x 6" steel wheels, 6-hole ball-seat, 8-hole hub-pilot is optional

STANDARD FEATURES AND OPTIONS MT-45 SERIES

Payload and Cargo Capacity to Spare

MT-45 SR SERIES CHASSIS

Vehicle Weight Ratings	14,140 lb. (single rear wheel), 14,990 lb. to 19,500 lb. (dual rear wheel)
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
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	Forward-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 batteries 1300 CCA
Cooling system	Denso 130-amp alternator or Leece-Neville® 200- and 270-amp alternator or Delco Remy® 200-amp alternator; Phillips® 1,000-watt block heater
Transmission	Allison® 1000 HS automatic with park pawl
Optional transmission	Allison 1000 RDS/EVS automatic transmission with PTO with park pawl
Exhaust	Single horizontal inboard ATD, outboard SCR with tailpipe exiting forward of rear axle, right-hand side
Axles	
Front	Detroit Axle AF-8.0-2, 8,000 lb.
Rear	Detroit Axle ARS-13.0-2, 13,000 lb.; 3.91, 4.10, 4.30, 4.56 and 4.78 ratio
Optional rear axles	Meritor® MS-10-113, 10,000 lb.; single rear wheel; axle ratios: 4.30, 4.56, 13,000 lb. dual rear wheel axle
Suspension, Steering, Brakes	
Front	Flat-leaf spring, 5,790 lb., shock absorbers; front sway bar
Optional front suspension	6,000, 6,200, 7,000 or 7,500 lb. flat-leaf spring
Rear	Flat-leaf spring, 9,200 lb., shock absorbers
Optional rear suspension	Heavy-duty flat-leaf spring suspension rated 8,000, 10,000, 12,000 or 13,000 lb.; rear sway bar
Steering	TRW® steering column and Sheppard MD83 steering gear; 50-degree wheel cut (wheel cut will vary, based on optional equipment)
Brakes	4-wheel 2.6" dual-piston hydraulic disc pin-slide brakes with ABS
Tires	225/70R 19.5", 12-ply; 245/170R 19.5", 14-ply
Wheels	19.5" x 6", 19.5" x 6.75" white steel disc wheels, 6-hole ball seat
Frame	8.0" x 3.0" x .25", 50,000 psi, 7.35 section modulus
Wheelbase	158"
Optional wheelbase	138", 178", 190", 208"
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-gal. rectangular, aluminized steel fuel tank mounted between the frame rails (optional aluminum) 40-gal. rectangular, aluminum fuel tank mounted between the frame rails, left-hand or right-hand fuel fill 60-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 (138" wheelbase mounted rear of the 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, with information display, electronic speedometer with odometer, voltmeter

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

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