



E-ACTT 4X2

AUTOCAR TERMINAL TRACTOR - OR & DOT/EPA COMPLIANT EV



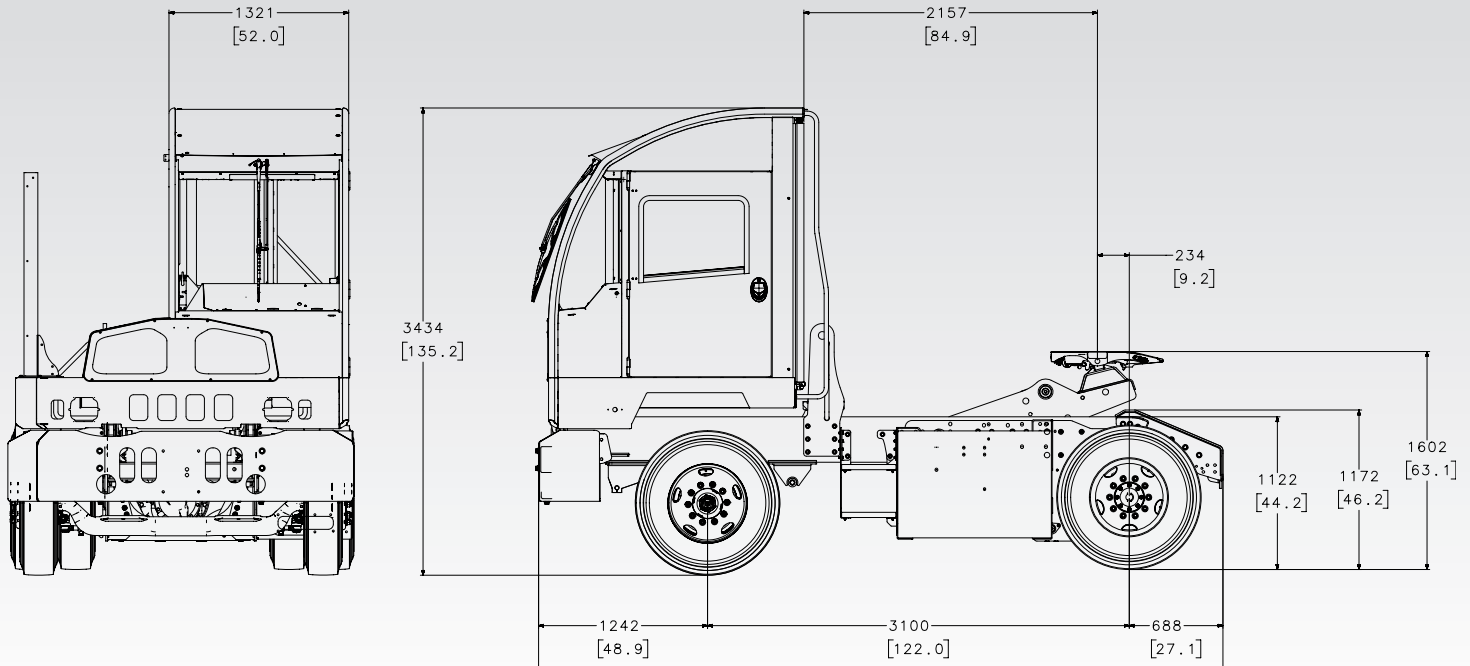
There's power in change. Make the switch.





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AUTOCAR TERMINAL TRACTOR - OR & DOT/EPA COMPLIANT EV



ACTT 4X2 OR & DOT/EPA COMPLIANT EV

Representative Terminal Tractor Specifications.
Your truck will be custom-engineered for your application

ALL DIMENSIONS IN INCHES

POWERTRAIN

| | |
|-----------------------------|--|
| Electric Motor Model | Single speed Electric motor - Zero Maintenance |
| Motor Power (Continuous) | 150kW (200hp) |
| Motor torque (Peak/Nominal) | 4500Nm / 2170Nm (3320 ft.lb / 1600 ft.lb) |
| Max Wheel Torque | 31 650Nm (22 600 ft.lb) 7.17 rear axle ratio |

AUXILIARY EQUIPMENT

| | |
|----------------------|--|
| Radiator | 610 sq. inch copper brass construction |
| Fan & Drive | Electronically speed controlled |
| Coolant Hoses/Piping | Silicone hoses with steel tubing |
| Coolant | Extended life coolant |

ENERGY STORAGE SYSTEM

| | |
|---------------------------|----------------------|
| Installed Capacity* | 210kWh |
| Voltage (max/nominal/min) | 650V |
| Thermal Management | Liquid Heated/Cooled |

TRANSMISSION AND EQUIPMENT

| | |
|--------------------|---|
| Transmission model | None |
| Range Selector | Push Button |
| Driveshaft | Dana Spicer 1710 - Full round at Motor & half round at Axle |

CHARGING SYSTEM - DC OFF BOARD (*FIGURES BASED ON INSTALLED CAPACITY)

| | |
|----------------------|-------------------------------------|
| Charging Type | CCS Type 1, Off-Board Charger |
| Charging (Nominal)* | DC 30kW Overnight |
| Charging (Fast)* | DC 150kW 2hrs to 90% |
| Opportunity Charging | DC 150kW 35min to charge 10-50% SOC |

PERFORMANCE

| | |
|------------------|-----------------------|
| Drive Duty Cycle | None |
| Top Speed | 25 MPH |
| | 45 MPH (ESC required) |
| Governed Speed | Based on application |

FRONT AXLE AND EQUIPMENT

| | |
|--------------------------|--|
| Axle model | Meritor MFS Wide track (14,700 lb rated) |
| Front suspension | Flat leaf (14,500 lb rated) |
| | Flat leaf (18,800 lb rated) |
| Shock absorbers | Double acting - heavy duty |
| Power steering | Gearbox, integral steering w/mechanical backup |
| Power steering reservoir | Integral w/hydraulic tank |
| Brakes | 15 x 4 |
| | 16.5 x 5 s-cam |
| Brake drums | Cast iron |
| Stack adjusters | Meritor automatic slack adjusters |
| | Haldex slacks |
| Front hubs | Iron hub piloted |

| REAR AXLE AND EQUIPMENT | |
|----------------------------|--|
| Axle model | Meritor RS-23 186 (single reduction) |
| | Meritor RS30-380 |
| Rear axle ratio | 7.17:1 (RS24-160) |
| | 10.62:1 (RS30-380) |
| Rear suspension | Solid |
| ABS | 4S4M w/o traction control |
| | 4S4M w/traction control and ESC (required for speeds over 33mph) |
| Collision Avoidance System | None |
| | ADAS |
| Brakes | 16.5 x 7 s-cam |
| Brake drums | Cast iron |
| Stack adjusters | Meritor automatic slack adjusters |
| | Haldex slacks |
| Rear hubs | Iron hub piloted |
| Gear lubricant | Synthetic |

| CHASSIS AND EQUIPMENT | |
|-----------------------|--|
| Wheelbase | 122 inch |
| | 128 inch |
| Frame | 2.0 million RBM, 120KSI heat treated steel |
| Frame fasteners | Grade 8 huck fasteners |
| Bumper | Steel reinforced bumper |
| Tow device(s) | Front & rear tow eyes |
| Mud Flaps | Rear of drive tires |

| PNEUMATIC SYSTEM (RAPID FILL) | |
|-------------------------------|---|
| Air compressor | Scroll; 0.38m³/min; 0.8MPa (Rated) / 1.2MPa (Maximum) |
| Air system Drain Valve | Manual petcocks all tanks |
| | Air manifold with pull cords in all tanks or 1/4 turn valve tank drains |
| Air lines | Nylon, color coded |
| Brake system | 121 air brake system, front/rear system protection |

| 5TH WHEEL AND HYDRAULIC SYSTEM | |
|--------------------------------|---|
| 5th wheel | SAF/Holland 80,000 lb semi-oscillating 16 inch lift |
| | SAF/Holland 100,000 lb semi-oscillating 16 inch lift |
| Hydraulic lift cylinders | (2) 5 inch 50,000 lb capacity, upper & lower spherical bushings |
| | Limited lift height cylinders |
| Hydraulic tanks | 15 gallon steel tank w/sight glass |
| Pump | 21.1 cm³/rev; 150 Bar Relief pressure |

| TRAILER EQUIPMENT | |
|---------------------------------|---|
| Air connections | 15 ft straight rubber trailer hoses w/spring hanger |
| | 20 ft straight rubber trailer hoses w/spring hanger |
| 7-way electric cable receptacle | 12 ft electrical cable |
| | 15 ft electrical cable |

| TIRES AND WHEELS | |
|------------------|--|
| Front tires | 295/75R22.5 Low-Pro Double Coin |
| | (11R/280/275)/Goodyear, Michelin, Continental |
| Front wheels | Steel 22.5" x 8.25" hub piloted, 285mm BC |
| | 22.5" x 8.25" Steel 2 HH wheel, customer supplied wheels/tires |
| Rear tires | 295/75R22.5 Double Coin |
| | (11R/280/275)/Goodyear, Michelin, Continental |
| Rear wheels | Steel 22.5" x 8.25" hub piloted, 285mm BC |
| | 22.5" x 8.25" Steel 2 HH wheel, customer supplied wheels/tires |
| | V2B flow through valve caps |

| ELECTRICAL SYSTEM | |
|-----------------------|--|
| Electrical system | 12V & 24V; Negative ground |
| Alternator/Converters | 12V/3kW; 24V/5.6kW |
| Starter | Not applicable |
| Batteries | 12V AGM 60Ah |
| Circuit protection | Circuit breakers; Fuses |
| Windshield wipers | Single electric (pantograph) intermittent w/o washer |
| | Single electric (pantograph) intermittent w/washer |
| Backup alarm | Non-motion detecting |
| | Motion detecting, CA compliant, or White noise |
| Horn | Single electric |
| Telematics | Autocar Advanced Telematics - Full installation |

| LIGHTING | |
|-----------------------------------|---|
| Headlamps | LED Headlights |
| Backup light, stop & turn signals | LED stop & turn, incandescent backup, shock resistant mount |
| BOC 5th wheel light | LED BOC light |
| Marker and side turn signals | LED |

| CAB AND EQUIPMENT | |
|-----------------------------|--|
| Cab construction | Electrocoated (e-coated) steel, full cab immersion (rust prevention coating) |
| Cab dimensions (outside) | Raised roof, 52" wide x 71" deep (w/o rear door) x 78" high (deck to roof) |
| Cab doors | Left side hinged door w/manual crank window, aluminum sliding rear door |
| | Rear door protector |
| Rear door opening (useable) | 24" wide x 72" high |
| Cab floor | Sweep out floor w/durable mat |
| Cab dash | Steel wrap around |
| Overhead console | Steel |
| Cab mounting | 4 point, rear dual (2) air suspensions |
| Cab tilt | Electric over hydraulic |
| Windshield | Tinted, tempered |
| | Laminated windshield |
| Rear glass | Tinted, tempered |
| | Laminated, Premier high impact-resistant window |
| Mirrors | Dual SST west coast mirrors |
| | Heated primary, motorized primary, convex |
| Cab climate control system | 44,000 BTU fresh air heater |
| | Air conditioning |
| Steering column | Fixed |
| | Tilt/telescopic |
| Steering wheel | 18 inch 2-spoke |
| Seat | Air suspension, mid-back without fore/aft isolation |
| | Air suspension, mid-back with fore/aft isolation |
| Seat covering | Black Cordura Plus® cloth fabric |
| | Vinyl seat cover |
| Seat belt | 3-point orange extended length |
| Dome light | Switch on dash |
| Power ports | (1) 12V & 2 USB |
| Air Horns | Mounted R/S top of cab |
| Translucent sun visor | Translucent-Single |
| Conspicuity tape | White BOC |
| | White BOC, Red/White end of frame |

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| PAINT | |
|---------|----------------------------|
| Cab | White |
| | (Customer specific colors) |
| Chassis | Black |
| | (Customer specific colors) |
| Bumper | Black |
| | (Customer specific colors) |
| Wheels | White powder coat |
| | (Customer specific colors) |

| VEHICLE RATINGS | |
|----------------------------|------------|
| Vehicle tare weight, front | |
| Vehicle tare weight, rear | |
| GAWF | 14,500 lbs |
| GAWR | 30,000 lbs |
| GCW | 80,000 lbs |

| OPTIONAL EQUIPMENT | | |
|---|---|--|
| Air Dryer (ADIP, AD-9, Wabco1200) | Spot/work/flood lights | Triangle kit |
| Beavertail/frame extension/kingpin guides | Rear door laminated glass or High impact resistant window | Lever start, no key/pushbutton start |
| Front axle mudflaps | Training seat | Double blink strobe light, other strobe/beacon options |
| Rear axle mudflap (front) | Auto lube systems | Air horn |
| Rear flexible fenders | Trailer stops/full cab guard | No driver door |
| Fender skirt/splash protector | Dock bumpers (cab) | Double blink strobe light, other strobe/beacon options |
| Glad hand buckets | Additional decking, side cab catwalk | Trailer Rapid fill system |
| Additional engine tunnel insulation | RH deck access steps | Pneumatic 5th wheel lockout |
| 360 degree swivel trailer light | Dollymaster, pintle hook options | Cab document storage |
| Premium seating options (swivel, heated) | Trailer hand brake | Autocar autopark system |
| Rear axle differential lock | Cab fan(s) | 5# ABC fire extinguisher |
| Glad-hand and 7-way cable storage | AM/FM radio/CD w/aux input, speakers & antenna | |

| OPERATOR CONTROLS |
|-----------------------------------|
| Park brake - push/pull |
| Headlamps |
| Turn signal - column mounted |
| Brake pedal (dual pedal optional) |
| 5th wheel lock |
| Gear selector - push button |

| CAB INSTRUMENTATION |
|---|
| Cluster with information/diagnostic display |
| Speedometer |
| Voltmeter |
| Coolant temperature (display) |
| Primary (A) air pressure |
| Secondary (B) air pressure |
| Hour meter |

| CAB WARNING DEVICES |
|--|
| Park brake |
| High beam |
| Turn signal |
| Low air |
| Seat belt |
| Fifth Wheel height indicator/lock indicator (optional) |