

eCOOLER

eC30

All-Electric Refrigeration System for the Ford E-Transit



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MAXWELL

OVERVIEW

The **eC30 electric TRU** system for the Ford E-Transit is the newest addition to the eCOOLER product line by Maxwell Vehicles. The eC30 system integrates with the E-Transit's OEM battery to offer unmatched performance and runtime, all while preserving maximum payload and ease of use.

COMPLETE VEHICLES STARTING AT \$85,500



FEATURE HIGHLIGHTS

- + **CARB-Exempt TRU Solution** for easy compliance with California State zero-emissions fleet mandates.
- + **90-hour continuous run time** powered by your E-Transit's battery, giving your operation flexibility for transportation and cold storage - and only one battery to charge.
- + **Under-body condenser unit** maintains the original height of the vehicle, reducing aerodynamic drag to improve range, and eliminating the risk of costly damage to a rooftop unit.
- + **Maximize cargo capacity and payload** compared to competing electric TRU systems that require an independent battery to be installed inside the vehicle.
- + **Powerful control at your fingertips** with standard 4" in-cabin touchscreen and LTE telematics. Easily view equipment status, adjust settings, and even configure low-battery shutoff limit to prevent stranding.

SPECIFICATIONS

Temperature Range

Minimum Set point	34 °F	Minimum set temperature
Maximum Set point	68 °F	Maximum set temperature
Hot Gas Defrost	Standard BTU/Hour	With automatic defrost detect and operation

Payload (148" WB High-Roof Extended)

GVWR	9,500 lbs	Ford gross vehicle weight rating
Converted Weight	7,100 lbs	Curb weight including hardware and insulation
Gross Payload	2,400 lbs	Long wheelbase, high roof
Cargo Dimensions (LxWxH)	154x49x74 Inch	Excluding volume of evaporator
Clearance	110 Inch	No change to stock vehicle height

Runtime & Range

Runtime (idle)	90 Hours	Est. 1%/HR undisturbed @ 36°F, 10% min SoC Cutoff
Range Reduction	10 Miles	Assumes 1%/HR during 10HR duty, or 6HR route w/stops
Total Range	100 Miles	Estimate based on Ford's rated range, minus daily est. use
24/7 Operation	Standard	Cooler can operate while parked, driving, or charging
Low Charge Shutoff	User Selectable	Automatically disable refrigeration below set SoC

Additional Features

Under body Condenser Unit	Standard	Maximizes range by reducing aerodynamic drag
Vibrant 4" Color Touch Display	Standard	Control and settings adjustment in cab
LTE Telematics	Standard	Remote access via Maxwell Web Portal
Diamond Plate Floor & Kick Plates	Standard	Durable fully-welded aluminum floor pan
Vinyl Strip Air Curtains	Optional	Available for side and rear cargo doors
E-Track	Optional	Customizable number and location
Automatic Defrost	Standard	Prevents evaporator ice buildup
Door Shutoff	Standard	Automatic interrupt when cargo doors are open
Variable Speed Evaporator Fans	Standard	Variable speed maximizes efficiency, reduces noise
Variable Speed Condenser Fans	Standard	Variable speed maximizes efficiency, reduces noise
Variable Speed Compressor	Standard	Variable speed maximizes efficiency, reduces noise

Performance

Ultra Quiet Operation	50dBa	When in temperature maintain mode
Evaporator Airflow	1200 CFM	At maximum speed. Air volume will vary with demand
Refrigerant	R134-A	Standard
Refrigerant Capacity	3.5 LBS	Standard
Thermal Output (Max)	30,000 BTU/H	At 60 °F

Warranty & Maintenance

Standard Warranty	24/2,400 Mo./CMP Hr	24 mo. or 2,400 Compressor Hours, whichever occurs first
Recommended Service Interval	2,000 CMP Hrs	Recommended refrigerant flush and oil exchange interval



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