

2011 Ford Transit Connect Electric

BODY	
Construction	Steel unibody
Glider assembly	Kocaeli, Turkey (by Ford Motor Company)
Final assembly location	Michigan, United States (by Azure Dynamics Corporation)
PROPULSION ARCHITECTURE	
Architecture description	Siemens AC induction motor, Azure Dynamics inverter, Borg-Warner transaxle, Johnson Controls-Saft battery pack
System voltage range	260v – 380v
ELECTRIC DRIVE SYSTEM	
Motor	Siemens model 135, 3-phase AC induction motor, 300V nominal, liquid-cooled
Torque	158 Nm (continuous) / 235 Nm (peak)
Transmission	Borg-Warner 31-03, single-speed
Gear ratio	8.28:1
DC/DC converter	TDK, 110A output
HIGH VOLTAGE	
Charge port connector	SAE J1772
BATTERY	
Battery	Johnson Controls-Saft lithium-ion pack
Capacity	28 kWh, 16 modules / (192 cells)
Voltage range	215v – 390v / charger – 3.3 KW
CHASSIS	
SUSPENSION	
Front	Front independent MacPherson strut suspension with stabilizer bar
Rear	Rear multi-leaf spring suspension with stabilizer bar
STEERING	
Type	Power rack-and-pinion
Steering column	Collapsible
Turning circle curb-to-curb	39 ft
BRAKES	
Type	Four-wheel power front disc and rear drum anti-lock brake system (ABS)
Front	Discs
Rear	Drums
Power assist	Yes
WHEELS AND TIRES	
	15-inch wheels with six-spoke wheel covers
DIMENSIONS (inches unless otherwise noted)	
EXTERIOR	
Wheelbase	114.6

Vehicle length	180.6
Vehicle width (without mirrors)	70.7
Vehicle height at curb	79.3
Track width, front / rear	59.3 / 61.1
INTERIOR	
Seating capacity	2, 4 or 5
Headroom	
Front row	51.1
Second row	50.5
Legroom	
Front row	40.5
Second row	38.5
Shoulder room	
Front row	54.4
Second row	59.6
Hip room	
Front row	50.8
Second row	59.8
WEIGHTS AND CAPACITIES	
Maximum payload	1,000 lbs. (454 kg)
Curb weight	3,948 lbs. (est.)
Cargo volume	135 ft ³
PERFORMANCE	
Driving range	Up to 80 miles per full charge
Charge duration	6 to 8 hours for full cycle using 240v, longer using 120v
Top speed	75 mph @ 0 percent grade
Gradeability	3 percent grade @ 60 mph and GVW 27 percent grade @ GVW for 820 feet (peak)
Acceleration	0-60 mph in 12 seconds (based on curb weight) 0-60 mph in 15 seconds (based on gross vehicle weight rating)
Crash/regulatory safety and air bags	Meets Federal and Canadian Motor Vehicle Safety Specifications
Vehicle life	10 years / 120,000 miles
Warranty	Base Transit Connect warranty period/mileage for Ford non- powertrain (non-modified), 5 years/60,000 miles warranty time period for Azure powertrain and modified components