

## 08 HYBRID SPECIFICATIONS

### MECHANICAL/PERFORMANCE

	HIGHLANDER HYBRID	HIGHLANDER HYBRID LIMITED
Gasoline engine – 3.3-liter double overhead cam (DOHC), 24-valve VVT-i V6; 209 hp (156 kW) @ 5600 rpm, 212 lb.-ft. @ 3600 rpm	Standard	Standard
Emission rating – Super Ultra Low Emission Vehicle (SULEV) <sup>44</sup> / Evaporative emission certification – Zero evaporation	Standard	Standard

### ELECTRIC MOTOR

Function – Drive front wheels, regeneration during braking	Standard	Standard
Motor type – Permanent magnet motor	Standard	Standard
Power output – 167 hp (123 kW) @ 4500 rpm	Standard	Standard
Maximum torque – 247 lb.-ft. @ 0-1500 rpm	Standard	Standard
Maximum voltage – AC 650V	Standard	Standard

### REAR ELECTRIC MOTOR

Function – Drive rear wheels, regeneration during braking	Standard	Standard
Motor type – Permanent magnet motor	Standard	Standard
Power output – 68 hp (50 kW) @ 4610-5120 rpm	Standard	Standard
Maximum torque – 96 lb.-ft. @ 0-610 rpm	Standard	Standard
Maximum voltage – AC 650V	Standard	Standard

### TRACTION BATTERY

Type – Sealed Nickel Metal Hydride (Ni-MH)	Standard	Standard
Maximum power output – 45 kW	Standard	Standard
Voltage – 288V	Standard	Standard

### HYBRID SYSTEM NET POWER – 270 hp (201 kW)

	Standard	Standard
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### PERFORMANCE<sup>45</sup>

0-60 mph	8.1 seconds	8.1 seconds
Top track speed (electronically limited)	112 mph	112 mph

### MECHANICAL

Ignition system	Electronic, with Toyota Direct Ignition (TDI)	
Transmission – Electronically controlled continuously variable transmission (ECVT) w/ECON mode	Standard	Standard
EV mode <sup>46, 47</sup>	Standard	Standard
Body construction	Reinforced unitized body	
Drivetrain – Front engine Electronic On-Demand 4-wheel drive with intelligence (4WD-i) <sup>8</sup>	Standard	Standard
Suspension	4-wheel independent MacPherson strut suspension with front and rear stabilizer bars	
Steering – Electric power steering (EPS) – rack-and-pinion with power-assist	Standard	Standard
Turning circle diameter, curb to curb (ft.)	39.0	39.0
Brakes – Electronically Controlled Braking System (ECB) with regenerative control and incorporating Anti-lock Brake System (ABS), Electronic Brake-force Distribution (EBD), Brake Assist <sup>33</sup> and Vehicle Dynamics Integrated Management (VDIM) <sup>34</sup>	Standard	Standard
Coefficient of drag (Cd) (2WD/4WD)	0.34	0.34

### EXTERIOR DIMENSIONS (in.)

Overall length/width/unloaded height with roof rack/without roof rails	188.4/75.2/69.3/68.1	188.4/75.2/69.3/NA
Wheelbase	109.8	109.8
Track (front/rear)	64.0/64.0	64.0/64.0

### INTERIOR DIMENSIONS front/middle/rear (in.)

Head room with moonroof	40.6/39.8/36.3	40.6/39.8/36.3 39.7/39.8/36.3
Shoulder room	59.7/59.5/55.0	59.7/59.5/55.0
Hip room	56.7/56.3/42.3	56.7/56.3/42.3
Leg room	43.2/38.4/29.9	43.2/38.4/29.9
Seating capacity (with third row)	5 (7)	7

### WEIGHTS AND CAPACITIES

Curb weight (lb.)	4508	4641
Gross Vehicle Weight Rating – GVWR (lb.)	5935	6000
Towing capacity (lb.) <sup>9</sup> standard/maximum <sup>41</sup>	3500 <sup>48</sup>	3500 <sup>48</sup>
Passenger volume (cu. ft.) (without third row)	145.4 (113.2)	145.4 (NA)
Cargo volume (cu. ft.) <sup>42</sup> behind front/middle/rear seats	94.1/42.4/10.3	94.1/42.4/10.3
Fuel capacity (gal.)	17.2	17.2

### TIRES

Size – Standard	P245/65R17	P245/55R19
Type	All-Season steel-belted radial blackwalls	All-Season steel-belted radial blackwalls
Spare	Full-size	Full-size