



## Key Selling Points

**We're entering a new era in automotive history, a turning point. Since 1992, Toyota has dedicated over 20 years to the research and development of hydrogen fuel cell technology, and it has finally come to fruition. That technology is the 2017 Toyota Mirai.**

**Fuel cell technology has the potential to reduce our dependence on fossil fuels while significantly lowering harmful vehicle emissions.**

- **Hydrogen is nontoxic and lighter than air.**
- **Hydrogen fuel is as safe as gasoline when properly handled.**
- **Hydrogen can be produced from renewable sources like solar and wind power.**
- **Mirai's only tailpipe emission is water. No CO<sub>2</sub>. No greenhouse gases. No pollution.**

**So, what was once seen as a pipe dream now has more potential than ever.**

**Mirai was first available in California in late 2015, with continued plans for an expansion into the Northeast as hydrogen stations open.**

### **Zero Emission Vehicle**

- **A fuel cell vehicle takes hydrogen gas from its fuel tank(s) and combines it**

with oxygen pulled from the air. The two react chemically to create water and electricity. So instead of hydrocarbon pollution, Mirai's only emission is water vapor. Consequently, Mirai qualifies as a CARB-rated Zero Emission Vehicle (ZEV). The water is automatically purged while driving and sometimes at shutdown. And a Water Release Control in the cabin allows drivers to expel water under the car at their convenience, but it should not be used frequently. This reduces the amount of water that may get on a garage floor after a vehicle is parked-a first for any fuel cell vehicle.

### **Fueling and Range**

- Refueling Mirai takes about 3-5 minutes, roughly the same as a gasoline vehicle. Mirai has an approximate driving range of up to 312 miles<sup>1</sup>. Today, there are approximately 20 active hydrogen stations across the U.S. With more vehicles hitting the roads in 2016 and 2017, the State of California has committed to investing \$200 million in hydrogen infrastructure with an estimated goal of 100 hydrogen stations by 2024. An additional 28 are planned in 2016, bringing California's planned total into the 40's by the end of 2016.

### **Game-Changing Refinement**

- Beyond its innovative fuel cell technology, Mirai comes with an impressive selection of premium amenities. Outside, LED low- and high-beam headlights, rain-sensing windshield wipers and heated wiper de-icers add premium touches. Inside, Qi wireless charging<sup>2</sup> for mobile devices, Entune™ Premium JBL® Audio with Integrated Navigation<sup>3</sup> and App Suite, Intelligent Touch controls, Pre-Collision System (PCS)<sup>4</sup>, Lane Departure Alert (LDA)<sup>5</sup>, Dynamic Radar Cruise Control (DRCC)<sup>6</sup>, heated steering wheel, two-stage heated front and rear seats, Blind Spot Monitor (BSM)<sup>7</sup> with Rear Cross-Traffic Alert (RCTA)<sup>8</sup>, Drive Start Control, Automatic High Beams (AHB)<sup>9</sup>, front and rear parking assist sonar<sup>10</sup> and Safety Connect®<sup>11</sup> with a complimentary three-year trial add the refinement that's appropriate for a vehicle as advanced as Mirai.

### **2017 Model Year Mirai Ownership Experience Program: Exclusive Service and Support**

- 2017 Mirai includes the complimentary "Mirai Ownership Experience," which provides owners with:
  - Complimentary hydrogen fuel for three years or \$15,000 maximum, whichever comes first<sup>12</sup>.
  - Three years complimentary Safety Connect®<sup>11</sup> and Entune™, including a hydrogen station finder app called "H2 Fuel Stations."
  - Mirai Complimentary Rental Experience for seven days per year for three years<sup>13</sup>.
  - ToyotaCare<sup>14</sup>, our standard no-cost service plan and roadside assistance, is enhanced for Mirai and offers:

- No-cost scheduled maintenance for three years or 35,000 miles, whichever comes first<sup>15</sup>.
- No-cost enhanced roadside assistance<sup>16</sup> for three years, regardless of mileage, including expedited towing service and trip interruption reimbursement at a maximum of \$500 per day for up to 5 days per incident<sup>17</sup>.
- Three years of 24/7 customer call support.
- 8-year/100,000-mile warranty on key fuel cell vehicle components including the FC stack and power control unit, FC hydrogen tanks, battery pack and ECU, and FC air compressor, boost converter and ECU, hybrid control module (power management control module), and hydrogen fueling ECU<sup>15</sup>.

# What's New

## Packaging

- Toyota Mirai retains all the same great features from 2016, but adds one new exciting exterior color - Atmospheric Blue (8Y1).

## Models

Models	Trims	Engines	Transmissions	MSRPs
3000	Mirai	Toyota Fuel Cell Stack	Permanent magnet AC synchronous electric motor	\$57,500
3001	Mirai with Power On-Demand (Delayed Availability)	Toyota Fuel Cell Stack	Permanent magnet AC synchronous electric motor	\$0

# Colors

Exterior Color (Code)	Interior Color (Code)	Mirai - 3000	Mirai with Power On-Demand - 3001 (Delayed Availability)
Atmospheric Blue (8Y1)	Blue Black SofTex (80)	o	o
Celestial Black (219)	Blue Black SofTex (80)	o	o
Crystal White (062)	Blue Black SofTex (80)	o	o
Elemental Silver Metallic (1J6)	Blue Black SofTex (80)	o	o
Nautical Blue Metallic (8S6)	Blue Black SofTex (80)	o	o

# Trims at a Glance

## Mirai - 3000

### Meet the Future

- Hydrogen fuel cell powertrain = zero emission vehicle
- A fill-up takes about 3-5 minutes and produces an approximate driving range of up to 312 miles
- LED low- and high-beam headlights with Automatic High Beam and auto-on/off feature
- Intelligent Touch controls for heated steering wheel, heated seats, windshield wiper de-icer and dual-zone automatic climate control
- Entune™ Premium JBL® Audio with Integrated Navigation and App Suite
- Two-stage heated 8-way power adjustable driver's and front passenger seats with power lumbar support, plus a 2-position memory function on driver's seat
- Pre-Collision System (PCS), Drive Start Control (DSC), Lane Departure Alert (LDA), Blind Spot Monitor (BSM) with Rear Cross-Traffic Alert (RCTA), Dynamic Radar Cruise Control (DRCC), Automatic High Beams (AHB), front and rear park assist sonar (Note: PCS, AHB, LDA, and DRCC in Mirai is NOT TSS)

## Mirai with Power On-Demand - 3001 (Delayed Availability)

### More than a Car

- Featuring a high-capacity DC outlet in the trunk, available Power On-Demand allows Mirai to serve as a mobile generator in case of emergency or for any event where a mobile power supply would be helpful

1. 2017 EPA-estimated 67/67/67 city/hwy/combined mpge for Mirai and 312 mile driving range. Actual mileage will vary. Range measurement pursuant to SAEJ2601 standards (ambient temperature: 20°C; hydrogen tank pressure when fueled: 70MPa). Fueling time varies with hydrogen fueling pressure and ambient temperature.

2. Qi wireless charging may not be compatible with all mobile phones, MP3/WMA players and like models.

3. Availability & accuracy of the information provided by the navigation system is dependent upon many factors. Use common sense when relying on information provided. Services & programming subject to change. Services not available in every city or roadway. Updates may be available from your dealer at an additional cost. See *Owner's Manual* for details.

4. The Pre-Collision System is designed to help reduce the crash speed and damage in certain frontal collisions only. It is not a collision-avoidance system and is not a substitute for safe and attentive driving. System effectiveness depends on many factors, such as speed, driver input and road conditions. See *Owner's Manual* for details.

5. Lane Departure Alert is designed to read lane markers under certain conditions, and provide visual and audible alerts when lane departure is detected. It is not a collision-avoidance system or a substitute for safe and attentive driving. Effectiveness depends on many factors. See *Owner's Manual* for details.

6. Dynamic Radar Cruise Control is designed to assist the driver and is not a substitute for safe and attentive driving practices. System effectiveness depends on many factors, such as weather, traffic and road conditions. See *Owner's Manual* for details.

7. Do not rely exclusively on the blind-spot monitor. Always look over your shoulder and use your turn signal. There are limitations to the function, detection, range and clarity of the monitor. See *Owner's Manual* for details.

8. Do not rely exclusively on the Rear Cross-Traffic Alert system. Always look over your shoulder and use your mirrors to confirm rear clearance. There are limitations to the function, detection, range and clarity of the system. See *Owner's Manual* for details.

9. Automatic high beams operate at speeds above 25 mph. Factors such as dirty windshield, weather, lighting & terrain limit effectiveness requiring driver to manually operate the high beams. See *Owner's Manual* for details.

10. Do not exclusively rely on the Parking Assist Sonar system. Always look over your shoulder and use your mirrors to confirm clearance. Certain vehicle and environmental conditions may affect the ability of the sensors to detect an object. Even the shape and composition of the object can be a factor. See *Owner's Manual* for details.

11. Contact with the response center may not be available in all areas. Service Agreement required. A variety of subscription terms available; charges will vary. See Toyota's for details.

12. Complimentary fuel for three years or \$15,000 maximum, whichever comes first. The three year period starts on the date of card activation or 90 days after vehicle sale or lease commencement date, whichever is earlier. Fuel card is nontransferable. The Mirai is a hydrogen-powered fuel cell vehicle that must be fueled at hydrogen stations confirming to the latest SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) hydrogen fueling interface protocol standards or laws that may supersede such SAE standards. Refer to the Mirai Hydrogen Stations Locator App in Entune, [www.toyota.com](http://www.toyota.com), or call Toyota customer service at 800-331-4331 for information on hydrogen fueling stations available to Mirai.

13. The seven complimentary days per year will expire after each year and any unused days will not carry over. Customers may book Toyota rental vehicles through Authorized Mirai Fuel Cell dealers in the continental United States. Toyota rental vehicles are subject to rental program inventory and availability. See an Authorized Mirai Fuel Cell dealer for details and exclusions.

14. Standard ToyotaCare covers normal factory scheduled maintenance for two years or 25,000 miles, whichever comes first and also includes 24-hour roadside assistance for two years, regardless of mileage. The Mirai enhancement of ToyotaCare is valid only at authorized Mirai Fuel Cell dealers in the continental United States. See an Authorized Mirai Fuel Cell dealer for details and exclusions.

15. Valid only at authorized Mirai Fuel Cell dealers in the continental United States. See dealer for details and exclusions.

16. Does not include parts and fluids.

17. Trip reimbursement covers interruptions that require the Toyota dealership to keep such vehicle overnight and such Covered Vehicle is at the time of such disablement more than fifty (50) miles from the residence of the owner of the Covered Vehicle. See an Authorized Mirai Fuel Cell dealer for details and exclusions.

18. Do not rely exclusively on the blind-spot mirror. Always look over your shoulder and use your turn signal. There are limitations to the function, detection, range and clarity of the mirror. See *Owner's Manual* for details.

19. The Smart Key system may interfere with some pacemakers or cardiac defibrillators. If you have one of these medical devices, please talk to your doctor to see if you should deactivate this system.

20. The *Bluetooth*® word mark and logos are registered trademarks owned by *Bluetooth*® SIG, Inc. and any use of such marks by Toyota is under license. A compatible Bluetooth enabled phone must first be paired. Phone performance depends on software, coverage & carrier.

21. Concentrating on the road should always be your first priority while driving. Do not use the hands-free phone system if it will distract you.

22. All the airbag systems are Supplemental Restraint Systems. All airbags (if installed) are designed to inflate only under certain conditions and in certain types of severe collisions: typically, frontal and knee airbags inflate in frontal collisions, side torso and side curtain airbags inflate in side collisions and roll-sensing curtain airbags inflate at a severe roll angle or roll rate. To decrease the risk of injury from an inflating airbag, always wear seatbelts, sit upright in the middle of the seat as far back as possible and do not lean against the door. Do not put objects in front of an airbag or around the seatback. Do not use a rearward-facing child seat in any front passenger seat. The force of an inflating airbag may cause serious injury or death. See your *Owner's Manual* for further information/warnings.



# Options

Code	MSRP	Option	Availability
		No options available at this time	Mirai - 3000
		No options available at this time	Mirai with Power On-Demand - 3001 (Delayed Availability)

# Packages

Code	MSRP	Option	Availability
		◦ No packages available at this time	Mirai - 3000
		◦ No packages available at this time	Mirai with Power On-Demand - 3001 (Delayed Availability)

# Competitive Advantages

## 2017 Honda Clarity

### Key Takeaways

- **Flexible purchase:** Mirai can be acquired through purchase or lease; Clarity is only available for lease.
- **More muscle:** Mirai's powertrain outputs more peak torque than Clarity, at 247 lb.-ft. versus 221 lb.-ft.
- **Comprehensive safety:** Mirai's 8 airbags<sup>20</sup> include a front passenger seat cushion airbag; Clarity has 7 airbags.

### Challenges

- Clarity has a driving range of 366 miles, which beats Mirai's driving range of 312 miles<sup>1</sup>
- At 174 hp, Clarity has more horsepower than Mirai, which has 151 hp
- Clarity offers more passenger volume than Mirai: 102.0 cubic feet versus 85.7 cubic feet

### Key Takeaways

### Challenges

### Key Takeaways

### Challenges

1. 2017 EPA-estimated 67/67/67 city/hwy/combined mpge for Mirai and 312 mile driving range. Actual mileage will vary. Range measurement pursuant to SAEJ2601 standards (ambient temperature: 20°C; hydrogen tank pressure when fueled: 70MPa). Fueling time varies with hydrogen fueling pressure and ambient temperature.

2. Vehicle Stability Control is an electronic system designed to help the driver maintain vehicle control under adverse conditions. It is not a substitute for safe driving practices. Factors including speed, road conditions and driver steering input can all affect whether VSC will be effective in preventing a loss of control. See *Owner's Manual* for details.

3. Brake Assist is designed to help the driver take full advantage of the benefits of ABS. It is not a substitute for safe driving practices. Braking effectiveness also depends on proper brake-system maintenance, tire and road conditions. See *Owner's Manual* for details.

4. Smart Stop Technology operates only in the event of certain contemporaneous brake and accelerator pedal applications. When engaged, the system will reduce power to help the brakes bring the vehicle to a stop. Factors including speed, road conditions and driver input can all impact stopping distance. Smart Stop Technology is not a substitute for safe and attentive driving and does not guarantee instant stopping. See *Owner's Manual* for details.

5. Lane Departure Alert is designed to read lane markers under certain conditions, and provide visual and audible alerts when lane departure is detected. It is not a collision-avoidance system or a substitute for safe and attentive driving. Effectiveness depends on many factors. See *Owner's Manual* for details.

6. Automatic high beams operate at speeds above 25 mph. Factors such as dirty windshield, weather, lighting & terrain limit effectiveness requiring driver to manually

operate the high beams. See *Owner's Manual* for details.

7. Dynamic Radar Cruise Control is designed to assist the driver and is not a substitute for safe and attentive driving practices. System effectiveness depends on many factors, such as weather, traffic and road conditions. See *Owner's Manual* for details.

8. Do not rely exclusively on the blind-spot monitor. Always look over your shoulder and use your turn signal. There are limitations to the function, detection, range and clarity of the monitor. See *Owner's Manual* for details.

9. Do not rely exclusively on the Rear Cross-Traffic Alert system. Always look over your shoulder and use your mirrors to confirm rear clearance. There are limitations to the function, detection, range and clarity of the system. See *Owner's Manual* for details.

10. The Pre-Collision System is designed to help reduce the crash speed and damage in certain frontal collisions only. It is not a collision-avoidance system and is not a substitute for safe and attentive driving. System effectiveness depends on many factors, such as speed, driver input and road conditions. See *Owner's Manual* for details.

11. Do not exclusively rely on the Parking Assist Sonar system. Always look over your shoulder and use your mirrors to confirm clearance. Certain vehicle and environmental conditions may affect the ability of the sensors to detect an object. Even the shape and composition of the object can be a factor. See *Owner's Manual* for details.

12. Complimentary fuel for three years or \$15,000 maximum, whichever comes first. The three year period starts on the date of card activation or 90 days after vehicle sale or lease commencement date, whichever is earlier. Fuel card is nontransferable. The Mirai is a hydrogen-powered fuel cell vehicle that must be fueled at hydrogen stations confirming to the latest SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) hydrogen fueling interface protocol standards or laws that may supersede such SAE standards. Refer to the Mirai Hydrogen Stations Locator App in Entune, [www.toyota.com](http://www.toyota.com), or call Toyota customer service at 800-331-4331 for information on hydrogen fueling stations available to Mirai.

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# Features

		Mirai - 3000	Mirai with Power On-Demand - 3001
<b>Exterior</b>			
Doors	Color-keyed outside door handles (with touch-sensor lock/unlock feature on front doors)	S	S
Lights - Exterior	LED low- and high-beam headlights with auto on/off feature and Automatic High Beams	S	S
	LED Daytime Running Lights (DRL)	S	S
	LED taillights	S	S
Mirrors	Color-keyed heated power auto-dimming outside mirrors with turn signal and blind spot warning indicators, reverse tilt and power-folding features with 2-position memory function	S	S
Trim - Exterior	Black sport front grille	S	S
	Color-keyed front bumpers with black inserts with chrome accents	S	S
	Color-keyed rear bumpers	S	S
	Exclusive Fuel Cell Vehicle badging	S	S
	Color-keyed roof-mounted shark-fin antenna	S	S
Wheels & Tires	17-in. machine-finished alloy wheels, with painted black accents and P215/55R17 tires	S	S
	Tire repair kit	S	S
Windows, Glass & Wipers	Rain-sensing washer-linked variable-intermittent windshield wiper with heated windshield wiper de-icer	S	S
	Acoustic noise-reducing windshield and front/rear side glass	S	S
<b>Interior</b>			
Air Conditioner, Heater & Defroster	Dual-zone automatic climate control with Intelligent Touch controls, cabin air filter and individually controlled rear-seat vents	S	S
	Intelligent Touch controls for heated seats, heated steering wheel, ECO HEAT/COOL and windshield wiper de-icer	S	S

		Mirai - 3000	Mirai with Power On-Demand - 3001
Audio, Entertainment & Navigation	Entune™ Premium JBL® Audio with Integrated Navigation and App Suite - includes the Entune™ Multimedia Bundle (7-in. high-resolution touch screen with split screen display, AM/FM CD player with MP3/WMA playback capability, 11 JBL® GreenEdge™ speakers in nine locations including subwoofer and amplifier, auxiliary audio jack, USB 2.0 port with iPod® connectivity and control, advanced voice recognition, hands-free phone capability, phone book access and music streaming via Bluetooth® wireless technology), Entune® App Suite, HD Radio™, HD Radio™ predictive traffic and Doppler weather overlay, AM/FM cache radio, SiriusXM® All Access Radio with 3-month complimentary trial, Gracenote® album cover art and integrated backup camera display with projected path	S	S
	Entune® App Suite - includes Destination Search, Facebook Places, iHeartRadio, MovieTickets.com, OpenTable®, Slacker, Pandora® and Yelp™; real-time info including traffic, weather, stocks. Access to Entune® services is subscription free. See <a href="http://toyota.com/entune">toyota.com/entune</a> for details.	S	S
	Mirai Fuel Cell Apps-Unique Mirai addition to Entune® App Suite- includes H2 Fuel Stations and Vehicle Finder. Complimentary three-year subscription included. Requires Safety Connect® registration.	S	S
Cup Holders	Four cupholders and two front bottle holders	S	S
Instrumentation	4.2" TFT Multi-Information Display (MID) with speedometer, odometer, two trip meters, current trip information, outside temp, fuel level indicator, MPG, Eco driving indicator, fuel cell stack power level, battery charge indicator and meter/vehicle setting adjustments	S	S
Lights - Interior	Front and rear dome lights, front map lights (aka reading lights)	S	S
Mirrors	Dual extendable sun visors with sliding extensions and illuminated vanity mirrors	S	S
	(Frameless) Auto-dimming day/night rearview mirror with HomeLink® universal transceiver	S	S
Power Points	One 12V rear auxiliary power outlet	S	S
	Power On-Demand		S
	Qi-Wireless Charging Capability	S	S
Seats	Softex® two-stage heated front seats with contrasting inserts and seatback pockets; 8-way power-adjustable driver's seat with 2-position memory function and power lumbar support; 8-way power adjustable front passenger seat with power lumbar support	S	S
	Softex® two-stage heated rear seats	S	S
	Rear seat with center console and armrest cup holders	S	S
Shift Knob & Lever	Piano-black shift lever with matte silver accents	S	S
Steering Wheel	Softex®-trimmed power heated tilt/telescopic steering wheel with 2-position memory function with piano black accents and audio, Multi-Information Display, Bluetooth® hands-free phone, voice-command, Lane Departure Alert (LDA), Dynamic Radar Cruise Control (DRCC)	S	S

		Mirai - 3000	Mirai with Power On-Demand - 3001
Storage Areas	Overhead console with map lights and dome light, sunglasses storage, Safety Connect® button	S	S
	Multi-function front seat center console with carbon fiber-style accents, sliding cover and armrest, two front cup holders, Qi wireless charging, USB 2.0 port with iPod® connectivity and control	S	S
	Covered rear seat center console with tilt open and armrest, storage compartment, and two cupholders	S	S
	Passenger-side lockable glove compartment	S	S
Trim - Interior	Piano black interior trim with carbon fiber-style and matte silver interior accents and chrome door handles	S	S
<b>Safety/Convenience</b>			
Airbags	Eight airbags - includes driver and front passenger Advanced Airbag System, driver and front passenger seat-mounted side airbags, driver knee airbag, passenger seat cushion airbag, and front and rear side curtain airbags	S	S
Convenience	Smart Key System on front doors and trunk with Push-Button Start and remote illuminated entry	S	S
	Water Release Control	S	S
Cruise Control	Dynamic Radar Cruise Control (DRCC)	S	S
Power Points	One 12V rear auxiliary power outlet	S	S
	Power On-Demand		S
	Qi Wireless Charging Capability	S	S
	Automatic High Beams (AHB)	S	S
	Integrated backup camera display with projected path	S	S
	Star Safety System™ - includes Vehicle Stability Control (VSC), Traction Control (TRAC), Anti-lock Brake System (ABS), Electronic Brake-force Distribution (EBD), Brake Assist (BA) and Smart Stop Technology® (SST)	S	S
	Safety Connect® - includes Emergency Assistance, Stolen Vehicle Locator, Roadside Assistance and Automatic Collision Notification. Available by subscription. Complimentary three-year subscription included with 2017 Model Year Mirai Ownership Experience.	S	S
	Dynamic Radar Cruise Control (DRCC)	S	S
	Tire Pressure Monitor System (TPMS)	S	S
	Collision sensors: deactivate high-voltage battery and close H2 tank valves	S	S
	Pre-Collision System (PCS)	S	S

		Mirai - 3000	Mirai with Power On-Demand - 3001
Safety & Security	Lane Departure Alert (LDA)	S	S
	Blind Spot Monitor (BSM) with Rear Cross-Traffic Alert (RCTA)	S	S
	Drive Start Control (DSC)	S	S
	Front and rear parking assist sonar	S	S
	Anti-theft system with engine immobilizer	S	S
	Child-protector rear door locks	S	S
	Energy-absorbing collapsible steering column	S	S
	Front and rear energy-absorbing crumple zones	S	S
	Side-impact door beams	S	S
	Power door locks with shift-linked automatic lock/unlock feature and anti-lockout feature	S	S
	LED Daytime running lights with on/off feature	S	S
Seatbelts & Child Restraint System	3-point seatbelts for all seating positions, driver-side Emergency Locking Retractor (ELR) and Automatic/Emergency Locking Retractor (ALR/ELR) on all passenger belts	S	S
	Seatbelt pretensioners with force limiters for all seating positions	S	S
	LATCH (Lower Anchors and Tethers for CHildren) includes lower anchors and upper tether anchors on outboard rear seats	S	S
Windows, Glass & Wipers	Power windows with auto up/down and jam protection in all positions and retained-power features	S	S
	Rear window defogger with timer	S	S



# Specifications

	Mirai - 3000	Mirai with Power On-Demand - 3001
BODY CONSTRUCTION		
BRAKING SYSTEMS		
COMPRESSION RATIO		
DIMENSIONS - EXTERIOR (IN.)		
Overall height	60.5	60.5
Overall width	71.5	71.5
Overall length	192.5	192.5
Wheelbase	109.5	109.5
Track (front/rear)	60.5/61	60.5/61
Ground clearance	5.1	5.1
DIMENSIONS - INTERIOR (IN.)		
Seating capacity	4	4
Head room	38.5/36.8	38.5/36.8
Shoulder room	54.3/53.52	54.3/53.52
Hip room	53.4/52.4	53.4/52.4
Leg room	42.5/30.1	42.5/30.1
DRIVE BATTERY TYPE		
Type	Nickel-metal hydride	Nickel-metal hydride
Number of battery cells	34	34
Voltage	244.8 V (7.2 V x 34 cell modules)	244.8 V (7.2 V x 34 cell modules)
DRIVE SYSTEMS & DIFFERENTIALS		
DRIVETRAIN		
Type	Front-Wheel Drive	Front-Wheel Drive

	Mirai - 3000	Mirai with Power On-Demand - 3001
ELECTRIC MOTOR		
Motor type	Permanent magnet AC synchronous electric motor/generator	Permanent magnet AC synchronous electric motor/generator
Model Code	Q410	Q410
Maximum horsepower (hp)	151	151
Torque (lb.-ft.)	247	247
ENGINES		
FUEL CELL ASSEMBLY		
Name	Toyota Fuel Cell stack	Toyota Fuel Cell stack
Type	Solid polymer electrolyte	Solid polymer electrolyte
Weight	123.5 lb.	123.5 lb.
Humidification method	Internal circulation system (humidifier-less)	Internal circulation system (humidifier-less)
Power output density by volume	3.1 kW/L	3.1 kW/L
Number of cells (single-line stacking)	370	370
Cell separator material	Platinum	Platinum
Number of phases	4	4
Voltage after Boost Converter	650V	650V
FUEL FACTS		
Zero Emission Vehicle (ZEV) (EPA class sedan)	Standard	Standard
Mileage estimates (MPGe)	67	67
GEAR RATIOS		
HYBRID SYSTEM NET POWER		
HYDROGEN TANK		
Fuel type	Compressed hydrogen gas	Compressed hydrogen gas
Storage method	Carbon-fiber reinforced high-pressure tanks	Carbon-fiber reinforced high-pressure tanks
Number of tanks	2	2
Type	Type-4	Type-4
Maximum filling pressure	87.5 MPa	87.5 MPa

	Mirai - 3000	Mirai with Power On-Demand - 3001
Normal operational pressure	70 MPa	70 MPa
Storage capacity (Hydrogen vs. tank's weight)	5.7 wt%	5.7 wt%
Size (volume)	122.4L (front tank: 60 liters, rear tank: 62.4 liters)	122.4L (front tank: 60 liters, rear tank: 62.4 liters)
Hydrogen storage mass	Approx. 5 kg	Approx. 5 kg
Material (three layer structure):	Inner layer: plastic liner; Middle layer: carbon-fiber-reinforced plastic; Surface layer: carbon-fiber-reinforced plastic	Inner layer: plastic liner; Middle layer: carbon-fiber-reinforced plastic; Surface layer: carbon-fiber-reinforced plastic
Refueling time	Approx. 3-5 minutes	Approx. 3-5 minutes
IGNITION SYSTEM		
PERFORMANCE		
Lowest temperature for vehicle operation	-22°F	-22°F
Coefficient drag (Cd.)	0.29	0.29
Cruising range	Up to 312 miles	Up to 312 miles
Acceleration performance	0-60 mph: 9.0 sec.	0-60 mph: 9.0 sec.
SAFETY		
STEERING		
Type	Electric Power Steering (EPS); power-assisted rack-and-pinion	Electric Power Steering (EPS); power-assisted rack-and-pinion
Turning circle diameter, curb to curb (ft.)	18.7	18.7
Steering wheel turns (lock to lock)	2.81	2.81
SUSPENSION		
Type	Independent MacPherson® strut front suspension with stabilizer bar; Torsion-Beam rear suspension	Independent MacPherson® strut front suspension with stabilizer bar; Torsion-Beam rear suspension
TOWING		
TRANSMISSIONS		
WARRANTIES		
WEIGHTS & CAPACITIES		
Curb weight (lb.)	4075	4075
Passenger volume (cu. ft.)	85.7	85.7
Cargo volume (cu. ft.)	12.8	12.8
Gross Vehicle Weight Rating (lb.)	TBD	TBD

	Mirai - 3000	Mirai with Power On-Demand - 3001
Battery weight (lb.)	TBD	TBD
Fuel Cell stack weight (lb.)	123.5	123.5
Hydrogen tank weight (lb.)	192.9 total	192.9 total
WHEELS & TIRES		
Tire size	P215/55R17 94W	P215/55R17 94W
Rim size	17 inch x 7 inch	17 inch x 7 inch
Tire repair kit (no spare)	Standard	Standard

