

2020 MODEL INFORMATION

Kawasaki
Let the good times roll



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MODEL NAME **Z650 (ABS) / Z650**

MARKETING CODE **ER650K/L**

Version: 5 NOV 2019

Photos used in this Model Information
generally depict the EUR model.



CONCEPT

Z AMBASSADOR

Like its predecessor, the superbly balanced Z650 offers *sugomi** performance and styling in a slim, compact middleweight package that features a 650cc Parallel Twin engine with strong low-mid range torque in a lightweight chassis. Engine refinements[†] contribute to cleaner emissions and increased mid-range torque, new tyres offer lighter handling, and a redesigned tandem seat offers increased passenger comfort. As before, nimble handling and superb feedback are complemented by easy-to-manage power delivery and rider-friendly manoeuvrability, offering an ideal blend of sporty performance and everyday versatility designed to accommodate a wide range of riders. Sharp new styling, highlighted by a new LED headlight and TFT instrumentation, gives this 2nd generation Z650 an even stronger *sugomi* presence. The thorough attention given to ensure a high-quality fit & finish results in a machine that riders can be proud to own – an ideal ambassador for the Z brand.

[†]In certain markets

* *Sugomi* describes core performance and styling elements found in Kawasaki's Z supernaked models. Imbued with *sugomi*, their performance excites; a ride on a Z supernaked is a visceral experience that stimulates the senses; engine and chassis tuning deliver a high level of control. *Sugomi* is also evident in their sharp styling, dynamic crouching form, and distinct silhouette

CHANGES FROM PREVIOUS MODEL (ER650G/H)

Cleaner Emissions

A number of changes to the intake and exhaust system components were made to ensure that Euro4 emissions regulations are cleared, and offer an increase in mid-range torque while maintaining the power of the previous model.

* Increased catalyser volume contributes to cleaner emissions. The increased catalyser volume and revised silencer layout enabled a shorter silencer. Likewise, the exhaust pipe length (shorter) and shape were also optimised to suit the changes. (Photo 1)



* Revised duct joining the airbox and throttle bodies contributes to increased performance.

New Tyres: Lighter Handling

* New Dunlop Sportmax Roadsport 2 tyres contribute to lighter handling. (Photos 2-3)



Increased Passenger Comfort

* Rear seat with thicker urethane (approximately 5 mm thicker at the centre, 10 mm thicker at the sides) and wider sides offers increased passenger comfort. (Photo 4)



Stronger *Sugomi* Presence

With a sharper, more compact cowl and more muscular radiator shrouds, the new Z650 boasts a stronger *sugomi* presence.



* Compact new LED headlamp is complemented by a centrally located LED position lamp. Sharper edges emphasise the design of the new headlamp.

* Headlamp cowl is sharper and more compact, with a two-piece design (distinct from that of the three-piece Z900 cowl) that positions coloured pieces higher to create a light image. The sharp chin spoiler, new meter cover, and more forward-slanting lines contribute to the *sugomi* design. (Photo 5)



* Wider shrouds give the impression of more muscular “shoulders,” adding to the Z650’s fierce impression, while the functional design of the radiator covers adds to the sharp looks.

TFT Colour Instrumentation

The new 4.3” all-digital TFT colour instrumentation – a Kawasaki first in the 650cc class – gives the cockpit a high-tech, high-grade appearance. The new meter also offers additional features unavailable on the previous model.



* High-grade full colour display features TFT (thin-film transistor) technology, delivering a high level of visibility. The screen's background colour is selectable (black or white), and screen brightness adjusts automatically to suit available light.

(Photo 6, Illustration A)



* Display functions include: digital speedometer, digital bar-style tachometer, gear position indicator, shift lamp, fuel gauge, odometer, dual trip meters, current and average fuel consumption, remaining range, average speed, total time, coolant temperature, clock, battery voltage, Kawasaki service reminder, oil change reminder, and Economical Riding Indicator.

Smartphone Connectivity

A Bluetooth chip built into the instrument panel enables riders to connect to their motorcycle wirelessly. Using the smartphone application “RIDEOLOGY THE APP,” a number of instrument functions can be accessed, contributing to an enhanced motorcycling experience.

* A number of functions are available:

- **Vehicle Info:** information such as fuel gauge, odometer, maintenance schedule, etc can be viewed via the smartphone.
- **Riding Log:** GPS route information as well as vehicle running information can be logged and viewed via the smartphone.
- **Telephone notices:** when a call or mail is received by the smartphone, this is indicated on the instrument display.
- **Tuning – General Settings:** general instrument display settings (such as preferred units, date, date format, etc) can be adjusted via the smartphone.

* Vehicle information downloaded to the app can be viewed via the smartphone. Available information includes: odometer, total time, trip A, trip B, fuel gauge, remaining range, average gas mileage, average speed, battery voltage, Kawasaki service reminder (set by the dealer), oil change reminder (set by the rider), plus an additional rider-selectable reminder.

* Detailed riding logs including GPS information and vehicle running information can be recorded. While riding, the app tracks vehicle speed, rpm, gear position, current mileage, and coolant temperature from moment to moment. Once the riding log has been saved, riders can review these items in a graphic-style display at any point along the route. The app can also display a ride summary, with information that may include: route travelled, total distance, total time, gas mileage (best/average), speed (best/average), etc. For the graphic-style display mode, riders can select which items are displayed, and for either display mode, riders can arrange them in their preferred order.

* When riding (with the app ON[†]), the bike and smartphone are always connected. When the ignition is turned off, the latest vehicle information is stored by the app and may be viewed on the smartphone.

[†] While RIDELOGY THE APP needs to be ON (running in the background) to be connected to the bike, it was not intended to be operated while riding. Rider interaction with the app should be limited to when the vehicle is not being operated and it is safe to do so.

* An app function enables the clock on the instrument display to be updated automatically when the bike and smartphone are connected.

Numerous Accessories

A number of Kawasaki genuine accessories allow riders to further enhance the Z650's sharp, sporty looks or offer added comfort or convenience. (Available accessories vary by market.)

* Complementing the existing line-up of accessories, new items include LED turn signals, Z900-style meter cover, scratch resistant film for the TFT meter, high seat (+30 mm) and oil filler cap. (Photos 7-12)



CHANGES FROM PREVIOUS MODEL (ER650J/K)

* Other available accessories include: pillion seat cover, semi-soft panniers, top case, tank bag, wheel rim tape, U-lock, helmet lock, radiator screen, frame sliders, tank pad, and knee pads. (Photos 13-22)



COLOUR(S)

* Metallic Spark Black



SPECIFICATIONS

ER650KLF/ER650LLF

DIMENSIONS

Overall length	2,055 mm (EUR/USA/CAN/AUS/JPN/S.E. Asia (B1/B3)) 2,115 mm (MYS/THA/PHL)
Overall width	765 mm
Overall height	1,065 mm
Wheelbase	1,410 mm
Road clearance	130 mm
Seat height	790 mm
Curb mass	
ER650K	188 kg
ER650L	185 kg
Fuel tank capacity	15 litres

PERFORMANCE

Max. power	50.2 kW {68 PS} / 8,000 min ⁻¹
Max. torque	64.0 N·m {6.5 kgf·m} / 6,700 min ⁻¹

ER650KLF/ER650LLF

ENGINE	
Type	4st, 2-cyl, DOHC, 4-val, W/C
Bore and Stroke	83.0 x 60.0 mm
Displacement	649 cm ³
Compression ratio	10.8:1
Fuel supply	Fuel injection (ø36 x 2)
Lubrication system	Forced Lub. Semi-Dry Sump
Starting system	EL. Starter
Ignition system	B&C (TCBI B.P & EL. ADV.)
DRIVETRAIN	
Driving system	Chain
Transmission	6-speed, return
Gear ratios:	
1st	2.438 (39/16) [JPN: 2.437 (39/16)]
2nd	1.714 (36/21)
3rd	1.333 (32/24)
4th	1.111 (30/27)
5th	0.966 (28/29) [JPN: 0.965 (28/29)]
6th	0.852 (23/27) [JPN: 0.851 (23/27)]
Primary reduction ratio	2.095 (88/42)
Final reduction ratio	3.067 (46/15) [JPN: 3.066 (46/15)]
Clutch type (Primary)	Wet, multi-disc

FRAME	
Type	Tubular, Diamond
Suspension:	Front Rear
Wheel travel:	Front Rear
Caster (Rake angle)	24.0°
Trail	100 mm
Steering angle (left/right)	35° / 35°
Tyre: Front	120/70ZR17M/C (58W)
Rear	160/60ZR17M/C (69W)
Brake: Front Type	Dual disc
Effect. dia	272 mm
Rear Type	Single disc
Effect. dia	186 mm

The specifications mentioned here apply to and have been achieved by production models under standard operating conditions. We intend only to give a fair description of the vehicle and its performance capabilities but these specifications may not apply to every machine supplied for sale. Kawasaki Heavy Industries, Ltd. reserves the right to alter specifications without prior notice. Equipment illustrated and specifications may vary to meet individual markets. Available colours may vary by market.

ENGINE	
Type	Liquid-cooled, 4-stroke Parallel Twin
Valve system	DOHC, 8 valves
Fuel system	Fuel injection: ø36 mm x 2 with dual throttle valves
Ignition	Digital
Starting	Electric
Lubrication	Forced lubrication, semi-dry sump
DRIVETRAIN	
Clutch	Wet multi-disc, manual
FRAME	
Type	Trellis, high-tensile steel

SUSPENSION	
Front	ø41 mm telescopic fork
Rear	Horizontal Back-link with adjustable preload
BRAKES	
Front: Type Caliper	Dual semi-floating ø300 mm petal discs Dual piston
Rear: Type Caliper	Single ø220 mm petal disc Single-piston

KAWASAKI TECHNOLOGY



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1: ER650K