

# 2017 Z900



Kawasaki has long believed that Supernaked models should be more than supersport machines stripped of their full-fairing bodywork. Designed with sugomi performance for maximum riding pleasure, the new Z900 mounts a 948 cm<sup>3</sup> In-Line Four engine in an all-new ultra-lightweight frame. The choice of a 900cc-class In-Line Four was no accident; every twist of the throttle is rewarded by crisp, smooth response and exhilarating acceleration. But although the engine becomes more exciting the higher the revs climb, its smooth power delivery makes it extremely manageable. The lightweight chassis offers the same duality; nimble handling lends itself to spirited sports riding, while the Z900's light weight and low seat height make it easy to control. Like many legendary Kawasaki 900cc-class In-Line Four machines (Z1, Ninja/GPz900R, Ninja ZX-9R), the Z900's package delivers a sublime balance of power and handling ? ideal for a Supernaked model.

Engine:	
Type	Liquid-cooled, 4-stroke In-Line Four
Displacement	948 cm <sup>3</sup>
Bore and Stroke	73.0 x 56.0 mm
Compression ratio	11.8:1
Valve system	DOHC, 16 valves
Fuel system	Fuel injection:ø36 mm x 4 with sub-throttles
Ignition	Digital
Starting	Electric
Lubrication	Forced lubrication, semi-dry sump
Drivetrain:	
Transmission	6-speed, return
Final drive	Sealed Chain
Primary reduction ratio	1.627 (83/51)
1st	2.692 (35/13)
2nd	2.059 (35/17)
3rd	1.650 (33/20)
4th	1.409 (31/22)
5th	1.034 (30/29)
6th	1.222 (33/27)
Final reduction ratio	2.933 (44/15)
Clutch	Wet multi-disc, manual
Frame:	
Type	Trellis, high-tensile steel
Wheel travel:	
Front	120 mm
Rear	140 mm
Tyre:	
Front	120/70ZR17M/C (58W)
Rear	180/55ZR17M/C (73W)
Caster (rake)	24.5°
Trail	103 mm
Steering angle (left/right)	33° / 33°

Suspension:	
Front	41 mm inverted fork with rebound damping and spring preload adjustability
Rear	Horizontal Back-link with rebound damping and spring preload adjustability
Brakes:	
Front:	Dual semi-floating 300 mm petal discs
Caliper	Dual opposed 4-piston with ABS
Rear:	Single 250 mm petal disc
Caliper	Single-piston with ABS
Dimensions:	
Overall length	2,065 mm
Overall width	825 mm
Overall height	1,065 mm
Wheelbase	1,450 mm
Ground clearance	130 mm
Seat height	795 mm
Curb mass	210 kg (includes full tank of fuel)
Fuel capacity	17 L
Performance:	
Maximum power	92 kW (125PS) / 9,500 rpm
Maximum torque	99 N.m {10.1 kgf.m} / 7,700 rpm
Colours:	



Pearl Mystic Gray /  
Metallic Flat Spark  
Black

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.



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## SUGOMI PERFORMANCE MEETS A SUBLIME BALANCE OF POWER & HANDLING

Offering excitement that increases as the revs climb, sugomi performance ensures that riding the Z900 is a visceral experience. The crisp response of the its In-Line Four engine is perfectly balanced by its light, agile handling. Exhilarating without being overly intimidating, the combination is simply sublime.



### Exciting In-Line Four Engine

Powerful 948 cm<sup>3</sup> liquid-cooled, 4-stroke In-line Four engine has a quick-revving character and a strong mid-range hit that pulls strongly to the redline. Adding to rider exhilaration, a distinct intake note encourages you to twist the throttle. Silky smooth power delivery facilitates control while contributing to rider comfort and confidence

### Digital Fuel Injection

Liquid-cooled, DOHC, 16-valve 948 cm<sup>3</sup> Liquid-cooled, DOHC, 16-valve 948 cm<sup>3</sup> In-line Four offers impressive power (92.2 kW (125 PS)) and strong torque. Bore and stroke of 73.4 x 56.0 mm were chosen to achieve the desired engine character.

### Exhaust System

The exhaust system features a 4-into-1-pre-chamber-into-silencer layout. The header pipes and pre-chamber are unitised. ø35 mm exhaust headers contribute to high-rpm performance. Joint pipes linking the exhaust headers (headers 1-4, 2-3 are linked) contribute to stronger mid-range torque for improved feeling.



### Enhanced Intake Note

After the 2014-2016 Z1000, the Z900 is the second model to benefit from sound research in crafting its intake note. Shape of the airbox was designed based on acoustic tests. The distinct intake note of the Z900 is clear and exhilarating. The frequency of the note varies with engine speed, adding to riding impact especially at high rpm. Airbox inlet faces upwards, making the intake note easier to hear for the rider.



### Assist & Slipper Clutch

Assist & Slipper Clutch was developed based on feedback from racing activities. The clutch uses two types of cams (an assist cam and a slipper cam), offering two functions not available on a standard clutch.



### Horizontal Back-Link Rear Suspension

Rear suspension positions the shock unit and linkage above the swingarm. This arrangement contributes to mass centralisation, while ensuring that the suspension is located far enough from the exhaust that operation is not affected by heat.



### All-New Trellis Frame

The all new frame weighs only 13.5 kg and contributes significantly to the bike's light, nimble handling. Components of the high-tensile steel trellis frame follow the ideal pipe line. The lines of the frame were made as straight as possible, and when bends were necessary their angles were made as small as possible, resulting in a design that disperses stress extremely well.



### Inverted Front Forks

41 mm inverted front fork features stepless rebound damping and spring preload adjustability in the left fork tube. Adjusters are conveniently located on the fork top cap.



### Extruded Aluminium Swingarm

Extruded aluminium swingarm weighs only 3.9 kg, contributing to low unsprung weight, which in turn contributes to the bike's light, nimble handling.



### Fuel Tank

The 17 Litre Fuel tank is narrow at the rear, making it easy for riders to grip the bike with their knees.



### Compact Front Cowl

Houses a dual-bulb headlamp with single position lamp. Sharp meter cover contributes to the aggressive Z styling. Close-fitting bodywork with minimum overhang contributes to a slim appearance and a high quality image. Sharp front and rear turn signals complement the aggressive Z styling.



### Narrow Frame

The narrow frame and engine create a narrow overall package, allowing the rider to keep his or her knees and feet close together. Sporty front seat offers a wide seating area for good ride comfort. The seat is slimmer at the front, facilitating the rider's reach to the ground. The seat can be removed without tools, offering easy access to the battery, fuse box and tool kit.



### Ergonomics for Control

Wide, flat handlebar and relaxed, sporty riding position. The rider is easily able to capitalise on the Z900's sporty street riding potential. Slightly more upright than the Z1000, the riding position offers a blend of control and comfort in a variety of riding situations. The relationship between pegs, seat and handlebars was designed to enhance communication between rider and machine, giving the rider a confidence-inspiring feeling of control that complements its agile handling. Wide steering angle facilitates low-speed manoeuvring.



### Sport Riders Seat

Thanks to the low seat height and the bike's slim overall design, it's easy to keep both feet firmly on the ground when stopped, an important consideration for many riders. 795 mm seat height enables a wide range of riders to enjoy the Z900 with confidence.



### Adjustable Levers

Both the clutch and front brake lever are 5-way adjustable, able to accommodate a variety of hand sizes for increased comfort. Rider and passenger footrest feature rubber pads. Harder rubber combined with hollow centres were designed to reduce vibration felt through the footpegs.

### Aggressive Z Styling

Key sugomi design elements, like its crouching stance, low positioned head and upswept tail, give the Z900 a distinct silhouette, making it instantly recognisable as Z Supernaked model. Designed to make viewers fall in love at first sight, the Z900's aggressive Z styling is complemented by elegant bodywork flowing from head to tail, combined with minimalist cover in the engine area devised to draw attention to its functional beauty. A condensed appearance emphasised by slim, close-fitting bodywork gives the bike a light, agile image that reflects its sporty performance.



### Brakes, Wheels and Tyres

Dual  $\varnothing 300$  mm front petal disc brakes deliver plenty of braking power. Dual opposed 4-piston calipers with resin brake pads offer a linear brake touch, facilitating control for both new and experienced riders.  $\varnothing 250$  mm rear petal disc brake provides stopping power at the rear. The Z900 has ABS as a standard feature. The Z900 features a compact and lightweight Nissin motorcycle ABS unit. Stylish star-pattern 5-spoke wheels contribute to light weight, while their high rigidity benefits handling.



### Compact Multi-Function Instrumentation

Stacked instrument cluster features an easy-to-read layout. Analogue-style tachometer features a gear position indicator. Tachometer offers three selectable display modes, allowing riders to tune their instrumentation to suit their preference. The tachometer also doubles as a shift up indicator, flashing at the set rpm. LCD screen features white letters on a black background. Other display functions include: odometer, dual trip meters, fuel gauge, remaining fuel range, current and average fuel consumption, coolant temperature, clock and the Economical Riding Indicator.



### "Z" LED Taillights

LED taillight lights up in a "Z" pattern, contributing to the sporty image and the strong Z identity. Not all LED taillights designs are the same, the Kawasaki "Z" pattern LED taillight is both stylish and functional.

## Colours



**Pearl Mystic Gray / Metallic Flat  
Spark Black**