

# Specifications of Motorcycle

Model: **TL47W1-EU**

DIMENSIONS				FRAME						
Overall Length		2215	mm	Type	pipe under bone					
Overall Width		801	mm	Material	steel					
Overall Height		1442	mm	Suspension	Type	front	telescopic fork			
Handle Grip	width	785	mm			rear	swing arm			
	height	1030	mm		Travel	front	120	mm		
						rear	40	mm		
Seat Height		795	mm	Rim	Material	front	aluminum			
Wheel Base		1543	mm			rear	aluminum			
Ground Clearance		130	mm			Size	front	J 15 × 3.5 DOT		
Bank Angle		42	deg				rear	J 15 × 5.0 DOT		
Weight Distribution (curb weight)	front	111	kg	Tire	Type	front	tubeless			
	rear	112	kg			rear	tubeless			
	total	223	kg		Size	front	120/70 R15 56H			
						rear	160/60 R15 67H			
Weight Distribution (max. allowable weight)	front	159	kg	Brake	Type	front	Double Disk			
	rear	254	kg			rear	Disk			
	total	413	kg		Diameter	front	φ275 × 2	mm		
						rear	φ275 mm			
<b>ENGINE</b>					Swept area	front	21.1 × 4 cm <sup>2</sup>			
Type	4-stroke engine				rear	19.1 × 2 cm <sup>2</sup>				
Cylinder Arrangement	INLINE TWIN CYLINDER			Fuel Capacity	12.5 L					
Bore × Stroke	φ65 × 70 mm			Caster Angle	25 deg					
Displacement	465 cm <sup>3</sup>			Trail Length	92 mm					
Compression Ratio	10.8:1			<b>DRIVE</b>						
Electric Fuel Injection	Type	Closed Loop		Clutch	Wet, multiple-disc automatic clutch					
	Throttle bore	φ32 mm		Transmission	C.V.T., auto speed change					
Valve Train	D.O.H.C.			Primary Reduction	belt, 2.21~0.76					
Tensioner	auto-tensioner			Gear Ratio	I	/				
Maximum Horsepower (crank)	30	kw			II					
Maximum Torque	42.5	Nm			III					
	6250	rpm			IV					
					V					
Lubrication System	forced circulation&splashing			Secondary Reduction	gear, 2.23					
Fuel Required	unlead gasoline			Final Reduction	chain, 3.067 (46/15T)					
Exhaust Emission	CO	<1140	mg/km	Gear Shift Pattern	/					
	HC	< 170	mg/km	<b>ELECTRICAL</b>						
	Nox	<90	mg/km	Ignition System	full transistor ignition					
Air Filtration	fiber filter			Starting System	electrical starter					
Noise Emission	< 77 dB			Alternator	240 W / 5000 rpm					
Engine Weight (dry weight)	63 kg			Battery Capacity	12 V 8.6Ah					
<b>PERFORMANCE</b>				Speedometer Scale	0 ~ 199 km/h					
Maximun Speed	> 139 km/h			Horn	87 ~ 112 dB					
Maximun Speed	(in gear I)	/		Spark Plug	NGK CPR7EA-9					
	(in gear II)			Headlight	main/dipped beam	LED	× 2			
	(in gear III)			Front Position Lamps	LED × 2					
	(in gear IV)			Taillight / Stoplight	LED × 1					
	(in gear V)			License Plate Lamp	12V/5W × 1					
	(in gear VI)			Turn Signal Light	front	LED	× 2			
Acceleration (0 ~ 200 m)	/				rear	LED × 2				
Fuel Consumption (at 50 km/h)				>27 km/L			Reflex Reflector	rear	1	
Climbing Ability				> 27 deg						
Turning Circle (Radius)				2.75 m						
Stopping Distance (at 50 km/h)	< 14 m									

(for reference only)