

GENERAL CHARACTERISTICS

SPECIFICATIONS

Company name: Django
Official type-approval code: M1ADAA - Version 45 km/h
M1AEAA - Version 25 km/h

DIMENSIONS

Length: 1925 mm
Width: 710 mm
Height (without rear-view mirrors): 1190 mm
Ground clearance: 110 mm
Wheelbase: 1350 mm

WEIGHT

Unladen weight: 110 kg

STEERING

Steering column mounted with ball-bearing cone and cup.

CAPACITIES AND RECOMMENDATIONS

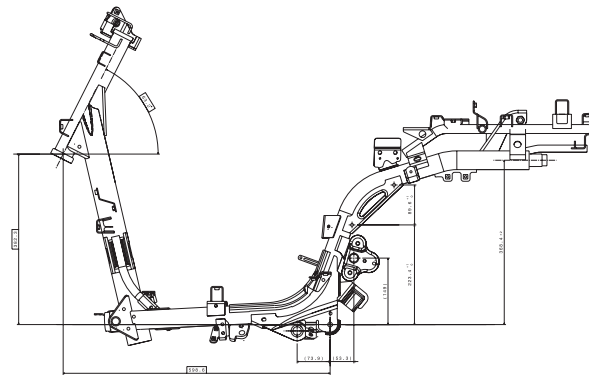
Fuel tank (including reserve) : 8.5 l : super unleaded petrol (95 or 98) only.
Crankcase: 0.8 l
Cooling system: *
Relay box: 0.12 l SAE 80W90 API GL4
Fork: 0.092 l*
Braking circuit: DOT 4

LUBRICATION

Pressurised wet sump lubrication. Trochoid pump driven by a gear set from the crankshaft.
Filter: Screen

COOLING

By a circulation of forced air by means of a turbine on the flywheel magneto.



ENGINE

4-stroke single-cylinder. Catalytic. 2 valves per cylinder with chain driven overhead camshaft.

Cubic capacity: 49.5 cc
Bore x stroke: 39 x 41.4 mm
Compression ratio: 11.5^{±0.5}:1
Compression: 8.95 bars at 500 rpm

M1ADAA

Max. power output: 2.8 kW at 8000 rpm
Maximum torque: 3.6 Nm at 6600 rpm

M1AEAA

Max. power output: 2.3 kW at 7500 rpm
Maximum torque: 3.2 Nm at 7000 rpm

TRANSMISSION

By 2 variable pulleys and V-type belt. 6 roller type drive pulley mounted on the left shank of the crankshaft. Fixed flange of the pulley equipped with cooling fins to cool the belt.
Driven/centrifugal 3 block lined clutch pulley mounted on the end of the relay box input shaft.

RELAY BOX

By shaft and pinions. Double set of pinions.
First gear teeth set: Helical.
Second gear teeth set: Helical.

SUSPENSION

Type of front suspension: Hydraulic telescopic fork: Ø32 mm
Travel: 85 mm
Type of rear suspension: 1 combined adjustable spring hydraulic shock absorber.
Travel: 68 mm

Front brake

Single disc type, hydraulic control.
Diameter of brake pistons: 2x25 mm
Disc diameter and thickness: 200 mm - 3.5 mm
Mini. thickness: 3 mm
Diameter of the master-cylinder: 14 mm

Rear brake

Single-cam drum type, controlled by cable.
Brake drum diameter: 110 mm
Brake lining thickness: 4 mm

WHEELS AND TYRES

Integral aluminium wheels and tubeless tyres.

	Front	Rear
Rim dimensions	3" x 12"	3" x 12"
Tyres dimensions	120/70 - 12	120/70 - 12
Pressures (bar)	1.8	2
Max. wheel lateral runout	0.8 mm	0.8 mm
Balance	*	*

TIGHTENING TORQUES

ENGINE

Cylinder head: 18 to 20 Nm
Exhaust mounting on the cylinder head: 15 to 18 Nm
Crankcase: 8 to 10 Nm
Spark plug: 12 Nm

CYCLE PART

Engine mounting on connecting rod: 57 to 70 Nm
Front wheel: 60 to 70 Nm
Upper nut on the steering column: 70 to 80 Nm
Rear wheel: 100 to 120 Nm
Shock-absorber mounting rear, upper: 43 to 50 Nm
Lower: 20 to 25 Nm
Front brake caliper: 25 to 35 Nm
Front brake disc: 27 to 32 Nm

ADJUSTMENTS AND CHECKS

ENGINE

Valve clearances:
Intake: 0.10^{±0.02} mm
Exhaust: 0.10^{±0.02} mm

CYLINDER/PISTON

Piston ring gap.
Upper: 0.05 to 0.15 mm
Middle: 0.05 to 0.20 mm
Lower: 0.20 to 0.70 mm

CONNECTING ROD/CRANKSHAFT

Crankshaft run-out: 0.10 mm

CARBURETION

Carburettor.
Make: DENI
Adjustment: DPD 18J
Main jet: 78
Idle jet: 30
Needle: *
Starter jet: *
Mixture screw: 2 rpm
Idle setting: 1800 ± 200 rpm - Version 45 km/h
1500 ± 200 rpm - Version 25 km/h

IGNITION

Ignition unit: CDI

Spark plug: NGK CR7HSA

Electrode gap: 0.7 to 0.8 mm

Ignition timing: 13° to 28°

Primary coil resistance: $0.4 \Omega \pm 0.03$

Secondary coil resistance: $12 \text{ k}\Omega \pm 20 \%$

Spark plug cap resistance: $5 \text{ k}\Omega \pm 20$

ELECTRICITY

Current generator (power): 90 W

Between the blue/white wire+(b) and the earth: $145 \Omega \pm 20 \%$

Between the red/black wire (a) and the ground: $600 \Omega \pm 20 \%$

Battery regulation voltage: $14.5 \pm 0.5 \text{ V}$

Battery (type and capacity):

YUHASA YTX7A-BS - 12V 6Ah Maintenance-free batteries

LIGHTING AND FUSES

	Quantity	Power
Headlamp (low beam)	1	12V - 35/35W
Tail light and stop light		LED
Indicator lamps		LED
Number plate lightning (depending on the model)	1	12V-5W
Dash board lighting		LED
Instrument panel indicator lamps		LED
Main fuse	1	7.5A
Accessories fuse	1	5A
"Side light" bulbs (depending on the model)	1	LED / 12V-5W*

