

# INT 650

## SPECIFICATIONS



## ENGINE

|                                  |   |
|----------------------------------|---|
| Type                             | Inline twin cylinder, 4 stroke / SOHC   |
| Bore                             | 78 mm   |
| Stroke                           | 67.8 mm   |
| Capacity                         | 647.95 cc   |
| Compression ratio                | 9.5:1   |
| Max Power                        | 34.9 kW @ 7250 rpm  |
| Max Torque                       | 52.3 Nm @ 5150 rpm  |
| Idle rpm                         | 1200 ± 100 rpm  |
| Starting                         | Electric start  |
| Air filter element               | Paper element   |
| Lubrication                      | Forced lubrication, Wet sump with pump driven oil delivery                            |
| Gear box                         | 6 Speed constant mesh   |
| Valve gear / valves per cylinder | Inlet : 4 Valves (2 per Cylinder)<br>Exhaust : 4 Valves (2 per Cylinder)              |
| Fuel supply                      | Fuel injection  |
| Cooling                          | Air cooling   |
| CO2 emissions (g/km)             | 99.0 (g/km)   |
| Noise emissions                  | 89.0 dB (A) @ 3575 rpm  |
| Engine Oil                       | Fully Synthetic 10W-50 to API SL (or higher) JASAO MA2, such as ELF MOTO4 TECH 10W 50 |
| Fuel Consumption                 | 4.21 L /100 km  |
| Fuel Type                        | Unleaded Petrol / E10 or less   |

## TRANSMISSION

|                 |                                 |
|-----------------|---------------------------------|
| Clutch          | Wet multi plate                 |
| Primary drive   | Gear                            |
| Primary ratio   | 2.051:1                         |
| Gear box        | 6 Speed, Constant mesh          |
| Gear ratio, 1st | 2.615:1                         |
| 2nd             | 1.813:1                         |
| 3rd             | 1.429:1                         |
| 4th             | 1.190:1                         |
| 5th             | 1.040:1                         |
| 6th             | 0.962:1                         |
| Secondary drive | Sprockets and chain (5/8 Pitch) |
| Secondary ratio | 2.533:1                         |

## CHASSIS AND BRAKES

|             |                                    |
|-------------|------------------------------------|
| Frame       | Steel tubular, double cradle frame |
| Front Brake | 320 mm disc, ABS                   |
| Rear Brake  | 240 mm disc, ABS                   |

|                  |  |
|------------------|--|
| ABS              | Dual channel ABS   |
| Tires Front      | 100/90-18 M/C 56H  |
| Rear Tire        | 130/70-R18 M/C 63V / 130/70-18 M/C 63H                   |
| Front Suspension | Telescopic forks   |
| Rear Suspension  | Twin gas charged shock-absorbers with adjustable preload |

## DIMENSIONS

|   |                  |
|---|------------------|
| Rake  | 24 degrees       |
| Front wheel rim size (Alloy & Spokes wheel) | 18 M/C x MT 2.50 |
| Rear wheel rim size (Alloy & Spokes wheel)  | 18 M/C x MT 3.50 |
| Length                                      | 2119 mm          |
| Width                                       | 835 mm           |
| Height                                      | 1067 mm          |
| Seat Height                                 | 805 mm           |
| Wheelbase                                   | 1398 mm          |
| Ground clearance                            | 174 mm           |
| Kerb weight                                 | 217 kg           |
| Gross Vehicle Weight                        | 400 kg           |
| Tank capacity                               | 13.7 L           |

## IGNITION

|                   |                        |
|-------------------|------------------------|
| Ignition          | Digital spark ignition |
| Ignition advanced | 11.25° BTDC            |
| Spark plug        | BOSCH UR5CC            |
| Spark plug gap    | 0.7 mm to 0.8 mm       |

## ELECTRICALS

|                   |  |
|-------------------|--|
| Electrical System | 12V - DC   |
| Battery           | 12V - 12 Ah VRLA   |
| Head lamp         | Front Position Lamp 1.55 W LED, low beam 12.1 W, high beam + low beam 14.2 W |
| Brake/ Tail lamp  | 12 V, P21/5 W (Halogen)  |
| Turn signal lamp  | 12 V, 10 W   |
| Charger           | USB  |
| Hazard signal     | Yes  |

## COLORS



Black Ray



Barcelona Blue



Black Pearl



Sunset Strip



Cali Green



Canyon Red