

# FB 675

## ENGINE

|   |  |
|---|--|
| Type  | Three cylinder, 4 stroke, 12 valve   |
| Timing system                                   | "D.O.H.C"  |
| Total displacement                              | 675 cm <sup>3</sup> (41.2 cu. in.)   |
| Compression ratio                               | 13:1   |
| Starting  | Electric   |
| Bore x stroke                                   | 79 mm x 45.9 mm (3.1 in. x 1.8 in.)  |
| Max. horse power - r.p.m. (at the crankshaft)** | 94.2 kW (126 HP) at 14400 r.p.m.<br>Lim. 15000 r.p.m.  |
| Max. torque - r.p.m.                            | 71 Nm (7.24 kgm) at 10600 r.p.m.   |
| Cooling system                                  | Cooling with separated liquid and oil radiators  |
| Engine management system                        | Integrated ignition - injection system with six injectors Engine control unit Eldor EM2.0, throttle body full drive by wire Mikuni, pencil-coil with ion-sensing technology, control of detonation and misfire Torque control with four maps, Traction Control with eight levels of intervention |
| Clutch  | Wet, multi-disc with mechanical drive  |
| Transmission                                    | Cassette style; six speed, constant mesh   |
| Primary drive                                   | 19/36  |
| Gear ratio                                      |  |
| First gear:                                     | 1/14.493   |
| Second gear:                                    | 1/10.821   |
| Third gear:                                     | 1/9.053  |
| Fourth gear:                                    | 1/8.040  |
| Fifth gear:                                     | 1/7.274  |
| Sixth gear:                                     | 1/6.712  |
| Final drive ratio                               | 16/43  |

## ELECTRICAL EQUIPMENT

|            |                      |
|------------|----------------------|
| Voltage    | 12 V                 |
| Alternator | 350 W at 5000 r.p.m. |
| Battery    | 12 V - 8.6 Ah        |

## DIMENSIONS AND WEIGHT

|                       |  |
|-----------------------|--|
| Wheelbase             | 1380 mm (54.230 in.)                                 |
| Overall length        | 2060 mm (81.06 in.)                                  |
| Overall width         | 725 mm (28.53 in.)                                   |
| Saddle height         | 805 mm (31.67 in.)                                   |
| Min. ground clearance | 125 mm (4.92 in.)                                    |
| Trail                 | 99 mm (3.89 in.)                                     |
| Dry weight            | 173 kg (381.4 lbs.)                                  |
| Fuel tank capacity    | 16 l (4.22 U.S. gal.) - 5 l (1.32 U.S. gal.) reserve |

## PERFORMANCE

|               |                        |
|---------------|------------------------|
| Maximum speed | 260.0 km/h (161.5 mph) |
|---------------|------------------------|

## FRAME

|                                       |                           |
|---------------------------------------|---------------------------|
| Type                                  | ALS Steel tubular trellis |
| Rear swing arm pivot plates: material | Aluminium alloy           |

## FRONT SUSPENSION

|                    |   |
|--------------------|---|
| Type               | "UPSIDE" - telescopic hydraulic fork with rebound-compression damping and spring preload external and separate adjustment |
| Rod dia.           | 43 mm (1.69 in.)  |
| Travel on leg axis | 125 mm (4.92 in.)   |

## REAR SUSPENSION

|                                  |   |
|----------------------------------|---|
| Type                             | Progressive, single shock absorber with rebound and compression (High speed/ Low speed) damping and spring preload adjustment |
| Single sided swing arm: material | Aluminium alloy   |
| Wheel travel                     | 123 mm (4.84 in.)   |

## BRAKES

|                     |  |
|---------------------|--|
| Front brake         | Double floating disc with Ø 320 mm (Ø 12.6 in.) diameter, with steel braking disc and flange |
| Front brake caliper | Radial-type, with 4 pistons Ø 32 mm (Ø 1.26 in.)   |
| Rear brake          | Single steel disc with Ø 220 mm (Ø 8.66 in.) dia.  |
| Rear brake caliper  | With 2 pistons - Ø 34 mm (Ø 1.34 in.)  |

## WHEELS

|                      |                               |
|----------------------|-------------------------------|
| Front: Material/size | Aluminium alloy 3.50 " x 17 " |
| Rear: Material/size  | Aluminium alloy 5.50 " x 17 " |

## TYRES

|       |                           |
|-------|---------------------------|
| Front | 120/70 - ZR 17 M/C (58 W) |
| Rear  | 180/55 - ZR 17 M/C (73 W) |

## FAIRING

|          |               |
|----------|---------------|
| Material | Thermoplastic |
|----------|---------------|



PASTEL WHITE

RED/SILVER

PASTEL BLACK/METALLIC ANTHRACITE

\*\* Limited power versions available on demand.