



700



... this is my car

Mflight

Specifications · BMW 700 Coupé · BMW 700

Engine

| | |
|---------------------|--|
| Type | air-cooled BMW horizontally opposed engine with rotary valve ventilation |
| No. of cylinders | two |
| Displacement | 42.46 cu. in. |
| Stroke | 2.87 in. |
| Bore | 3.07 in. |
| Maxim. output | 30 DIN h.p. / 5000 r.p.m. · 35 SAE h.p. / 5200 r.p.m. |
| Maxim. torque | 32.25 ft./lb. / 3200 r.p.m. |
| Mean piston speed | 40.03 ft./s / 5000 r.p.m. |
| Crankshaft assembly | running in anti-friction bearings new-type vibration damper |
| Valve control | overhead valves via rocker arms and push rods automatic tappet clearance adjustment |
| Transmission system | rear mounted engine without cardan shaft |
| Compression ratio | 7,5 : 1 |
| Ignition System | 12 volt dynamo battery ignition unit |
| Fuel feed | mechanically operated pump |
| Carburetor | Down-draft carburetor with acceleration pump and choke valve |
| Lubrication | Automatic-thermostatically controlled induction air pre-heating with micronic filter |
| Cooling System | Combined pressure-centrifugal lubrication with pre-filtering and micronic fine filtering |
| Oil capacity | Air cooling by fan 2 liters (0.44 Imp. Gal.) |

Power train

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|--------------|---|
| Transmission | 4 forward speeds, 1 reverse. All forward speeds mesh synchronized and shock proofed |
| Gear ratios | I: 3,54 II: 1,94 III: 1,27 IV: 0,846 R: 3,45 |
| Wheel drive | Spiral bevel gears with differential Gear ratio 1 : 5,43 Rear axle shafts suspended in 4-ply large volume rubber joints |
| Oil capacity | 1,25 ltrs. = 0,275 Imp. Gal. |
| Clutch | Single disc dry clutch with torsional damper |

Chassis

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|-------------------------|--|
| Bottom assembly | part-supporting bottom assembly with 2 high-webbed frame side members and tubular centre section |
| Wheel suspension: Front | Double longitudinal suspensions arms in parallel-ogram arrangement with self-lubrication Front axle rubber cushioned |
| Rear | Rubber cushioned broad longitudinal suspension arms |
| Springing: Front | Coil spring supported on axle bracket Spring elongation 4.72 in. |
| Rear | Coil spring supported on reinforced body Progressive effect by large volume rubber elements Spring elongation 6.10 in. |
| Steering | Adjustable rack-and-pinion steering mechanism of high stability |
| Tyres | 5.20 - 12, tubeless |
| Brakes: Footbrake | hydraulic, operating on all 4 wheels Self-centering sliding shoe construction |
| Handbrake | Precision engagement, operating on rear wheels Handbrake lever within easy reach between front seats |
| Dimensions | 7.87 in. drum diameter Width of lining 1.57 in. effective braking surface 90.5 sq. in. |
| Brake fluid container | of transparent material installed in front luggage compartment |
| Shock absorbers | Four double-acting large-dimensioned telescopic type shock absorbers, centrally arranged in coil springs |
| Control cables | Laid in tubular centre section |
| Lifting jack | Slip-on jack |

Body

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| Type | Part-supporting body welded to bottom assembly |
| Doors | 2 lateral doors, each 36,61 in. in width |
| Seats: Front | Single seats designed for maxim. sitting comfort, adjustable during driving Back rest adjusts to 4 different positions Upholstery of porous fabric / plastic combination |
| Rear | Single cross-seat |
| Luggage compartment | Under the front hood, locks from driver's seat, with special safety catch Accommodates 2 standard suitcases of 27.56 in. in length and smaller baggage Spare tyre under the front hood Tank mounted impact-proof behind spare wheel Filler cap concealed by front hood |
| Heating system | Intensive heating utilized for 2 defroster nozzles or for general heating, to be turned on separately or in combination |
| Ventilation | Fresh air supply through slots in front of windshield |
| Windows: Front | Crank-operated windows |
| Rear | Hinged wing windows |
| Fenders | Front fenders removable |
| Glass area | 2480 sq.in. (2805 sq.in.) |
| Tank | 6.6+0.66 Imp. Gals. reserve, in safe location under the front hood |

Electrical equipment

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|-----------------------------------|---|
| Line voltage | 12 volts |
| Battery | 24 Ah, located in rear |
| Dynamo | 130/190 watts |
| Headlights | High-mounted headlights, 6.69 in. in diameter, 45/40 watts. Asymmetric dimming |
| Turn signals | Forward lateral signals and rear signals combined with rear light. Turn off automatically operated by common finger-tip steering column lever |
| Single-tone horn and turn signals | operated by common finger-tip steering column lever |
| Rear lights | Combination of rear light, stop light, turn signal, parking light and reflector |
| Lights and optical passing signal | lights operated by switches on dashboard, dimmed light and optical passing signal by finger-tip lever on steering column |
| Parking lights | for continuous operations by turning on lights in front blinker and rear light on right or left side |
| Windshield wipers | Double self-parking windshield wipers |
| Cigarette lighter | Socket removable from holder |

Overall dimensions

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|------------------------------|--|
| Length | 139.37 in. |
| Width | 58.27 in. |
| Height | 49 in. (52 in.) |
| Wheel base | 83.46 in. |
| Weight | Kerb weight abt. 1389 lbs. (1400 lbs.) |
| Track | front 50.0 in., rear 47.24 in. |
| Turning circle | 352.36 in. |
| Maxim. speed | abt. 77.6 m.p.h. (75 m.p.h.) |
| Min. speed in 4th gear | 15.5 m.p.h. |
| Climbing ability in 1st gear | over 32 % |
| Period of acceleration | from 0 to 1093.6 yd. in 43 seconds (43.9 seconds) from 12.4 to 31 m.p.h. in 8.4 seconds (8.8 seconds) |
| Rated fuel consumption | 47.3 m.p.g. (48 m.p.g.) |
| Road fuel consumption | 43-50 m.p.g. (42-49.3 m.p.g.) |
| Oil consumption | up to 0,1 ltr.=0.02 Imp.Gal./62 m. |

Values between brackets refer to Limousine

Specifications subject to change without notice.

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