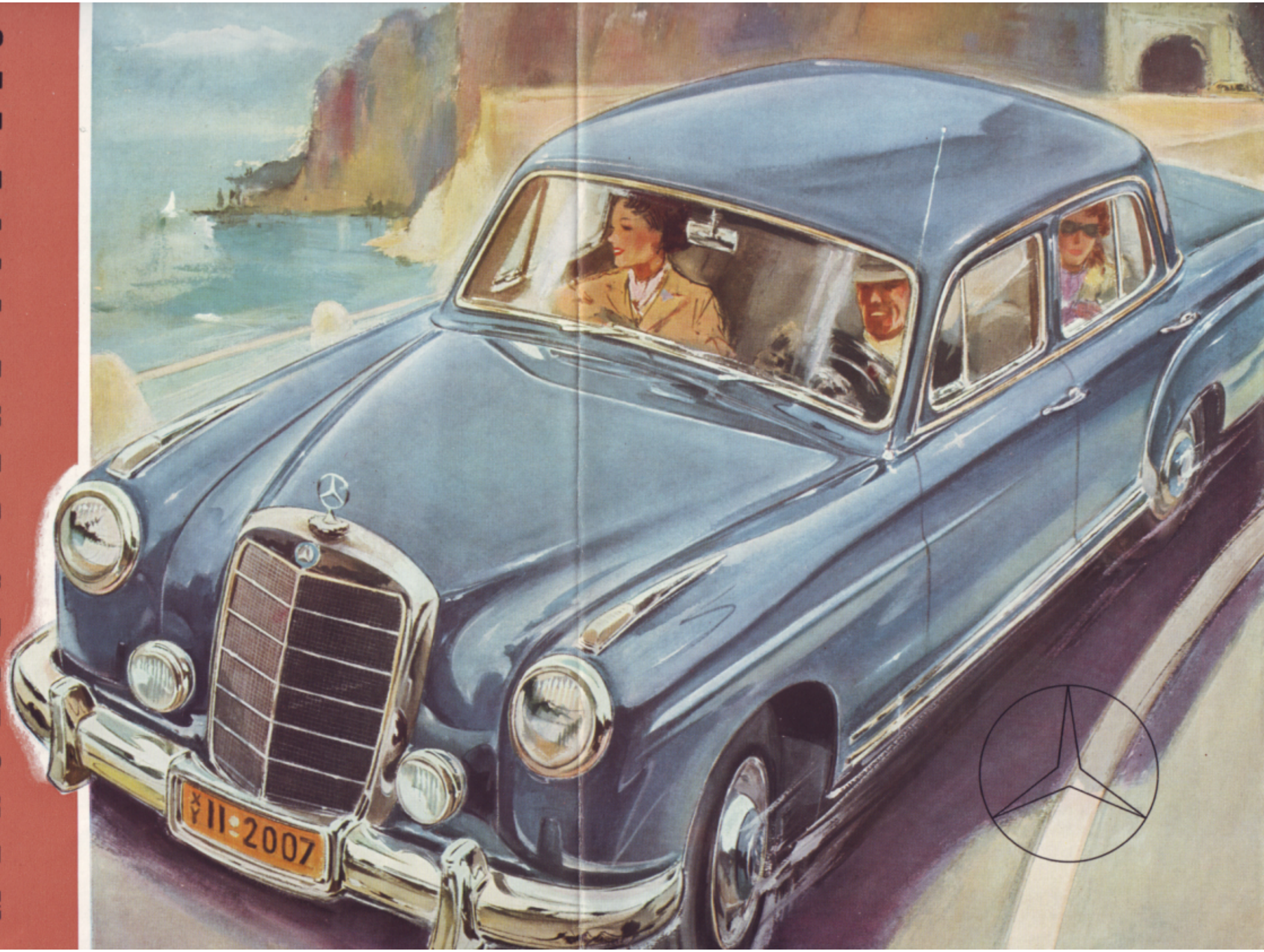
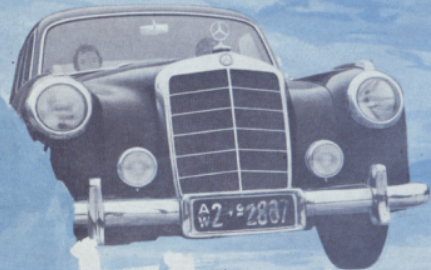


MERCEDES-BENZ TYPE 220



With the maneuverability of a sports car, the "Type 220" can easily climb narrow winding mountain passes. It answers readily to the slightest touch on the wheel and never loses its grip on the road. Being so exceptionally road-worthy, it is neither strenuous nor tiring, to drive over difficult or bad roads for any length of time.



...as seen from

all angles



Elegant in its lines

The "Type 220" is exquisitely and tastefully designed to satisfy the high demands of the connoisseur. The traditional Mercedes-Benz radiator – a splendid combination of utility and beauty – has been harmoniously incorporated in the modern styling of the spacious body. The elegant lines, with the accent on the horizontal, give the car a long and low-slung appearance. Low air drag through effective streamlining reduces considerably power consumption and increases thereby the car's reserve of power. The technical confirmation for this well-designed body styling lies in the high rigidity of the superstructure which is still reinforced by the combined frame-floor unit. The new "Type 220" thus ensures above all utmost safety, and its fine performance and the luxurious appointments make it worthy to be placed in the top rank of its class.

220

Behind your "Type 220" stands the oldest automobile factory of the world



RICH IN ITS INTERIOR APPOINTMENTS

SUPERIOR TECHNICAL DESIGN



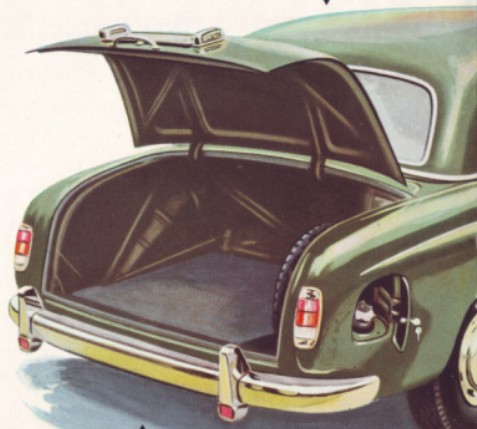
Even during heavy rain and snow storms two large and sturdy windshield wipers assure clear visibility. Turned off they fall automatically into rest position.

Openings for warm and cold air which prevents the formation of mist on both front side windows.

The opened cover of the roomy glove compartment can be used as a small table.

Separate controls for hot and cold air on both ends of the instrument board permit to ventilate and heat the interior to suit individual likes.

The spare wheel is placed upright and easily accessible on the right side of the luggage compartment. A groove for a second spare wheel is on the left-hand side.



Each of the combined rear lamp housings holds a tail light, a stop light, a blink light for the direction indicator, and a parking light. In addition to those there is a powerful bulb in the left lamp which lights automatically when the car is driven backwards. The current-saving front and rear parking lights can be turned on either on the right, or on the left, or on both sides.

A cover fitted with lock and key safeguards the filler cap of the fuel tank from unauthorized interference.



The wide doors hinged at the front are opened by means of push buttons. The left front door can be locked from the outside while the other three doors are bolted inside. All locks are so constructed that the doors cannot possibly swing open by themselves while the car is in motion.

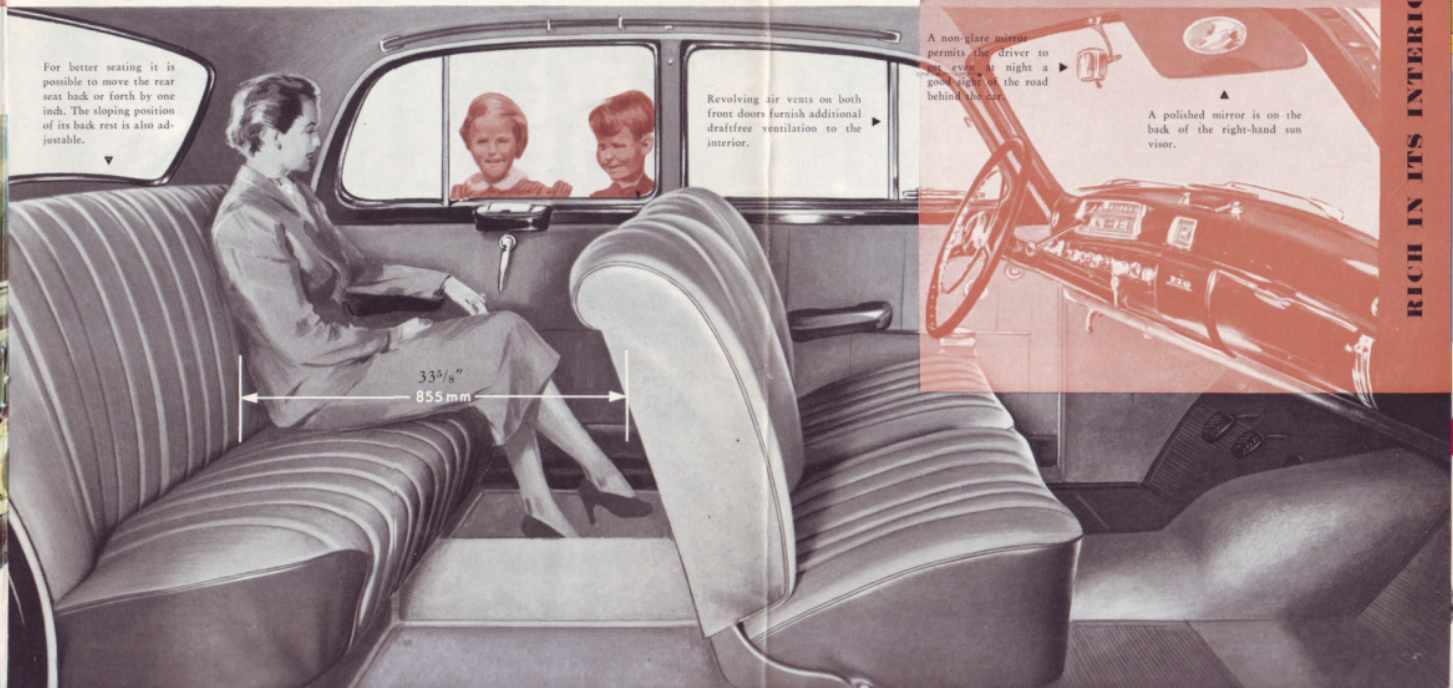
The interior of the new "Type 220" surrounds driver and passengers with a pleasing air of comfort. Softly upholstered seats – a full-width bench, replacing the individual front seats, will be furnished without charge – provide comfortable accommodations for 5 to 6 people. The spacious leg room permits occupants to sit at ease and even rides over great distances can be thoroughly enjoyed thanks to the excellent riding qualities of this car. By moving the rear seat back or forth its depth can be adjusted by one inch. The sloping position of its back rest is also adjustable. Both seat as well as back rest, are removable. Numerous little amenities of this exquisitely equipped car add to the joy of ownership. Among others there are four arm rests, one side pocket on each of the front doors, two interior lights, two sun visors, two hand rails with cloth hooks running above the rear side windows, three ash trays, and an electric cigar lighter on the instrument panel. All tend to offer the comforts of a large touring car. Upon request a center folding arm rest will be installed at extra cost.

One glance suffices

to read the modern combined instruments. They are set in the upper part of the instrument panel in direct line of the driver's vision and it is thus possible, without having to take the eyes off the road, to keep the car under constant control. The easy-to-read indicator and control instruments for speedometer, daily mileage recorder, oil pressure, fuel supply, ammeter, thermostat, headlights, blink lights for the direction indicator, and the choke are arranged side by side beneath the newly designed speedometer which, for better reading, has a horizontal scale now. The instrument board of highly polished wood tends to give the interior an air of unobtrusive elegance. In its center, next to the instrument panel and the control knobs, there is an electric clock, while a spacious glove compartment has been set into its right side. Another but smaller one is on the left side. The large curved windshield affords the best possible view of the road. Easily operated controls complete the picture of the interior layout which is a masterpiece of expediency and simplicity assuring the driver absolute safety in traffic. Even such welcome little features – so greatly appreciated by every driver – as the combined ring for the horn and the blink lights of the direction indicator which the driver can operate without having to take his hands off the steering wheel, may be of vital importance in a decisive moment.

Type 220 with a luggage compartment for long-distance touring

Upon request a complete set of suitcases to fit into the luggage compartment can be obtained at extra cost.



For better seating it is possible to move the rear seat back or forth by one inch. The sloping position of its back rest is also adjustable.

Revolving air vents on both front doors furnish additional draft-free ventilation to the interior.

A non-glare mirror permits the driver to see even at night a good sight of the road behind the car.

A polished mirror is on the back of the right-hand sun visor.

33 5/8"
855 mm

RICH IN ITS INTERIOR APPOINTMENTS
SUPERIOR TECHNICAL DESIGN

92 HP

are effectively available at the clutch of the car. Many of the experiences gained through the Mercedes-Benz racing sports cars, "Type 300 SL", are incorporated in this modern and highly efficient short-stroke engine with light metal cylinder head. Large valve cross sections together with the arched combustion chamber cause an intensive swirling motion of the fuel mixture, a procedure which, in spite of increasing the engine's output, attains the remarkable low fuel consumption of 28.8 m/Imp. gal. or 24 m/US gal. A special feature of this engine is its flexibility in all speed ranges. By keeping the valve mechanism to a minimum, the overhead camshaft assures with highest precision the accurate timing for the opening and closing of the valves, a fact of utmost importance to gain maximum engine output. Camshaft and an auxiliary shaft are driven noiselessly by a Duplex chain which is adjustable by an automatic oil-hydraulic device. The great durability of this power unit may be attributed to its efficient thermostatically controlled cooling system with a built-in oil heat exchanger. The most favorable working temperature is thereby quickly assured and constantly maintained, a fact, reducing decisively wear and tear of the engine.

The controlled synchromesh 4-speed transmission is easy to shift and combines the merits of a 3-speed transmission with the technical advantages of a 4-stage reduction. The ratio of the third speed is so calculated that under normal driving conditions, as with a 3-speed transmission, the driver has to shift only between the two high gears, while the second speed is especially designed for hill climbing.

Controlled synchromesh

Up the hill with the Type

220

1. speed .1 in 1.92 (52%)

With great buoyancy and

high flexibility the

"Type 220" adapts

itself easily to all

changing gradients.

Under all

stresses the

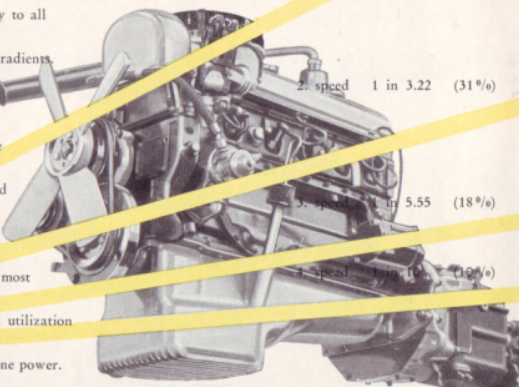
well-graded

gear ratios

assure the most

economical utilization

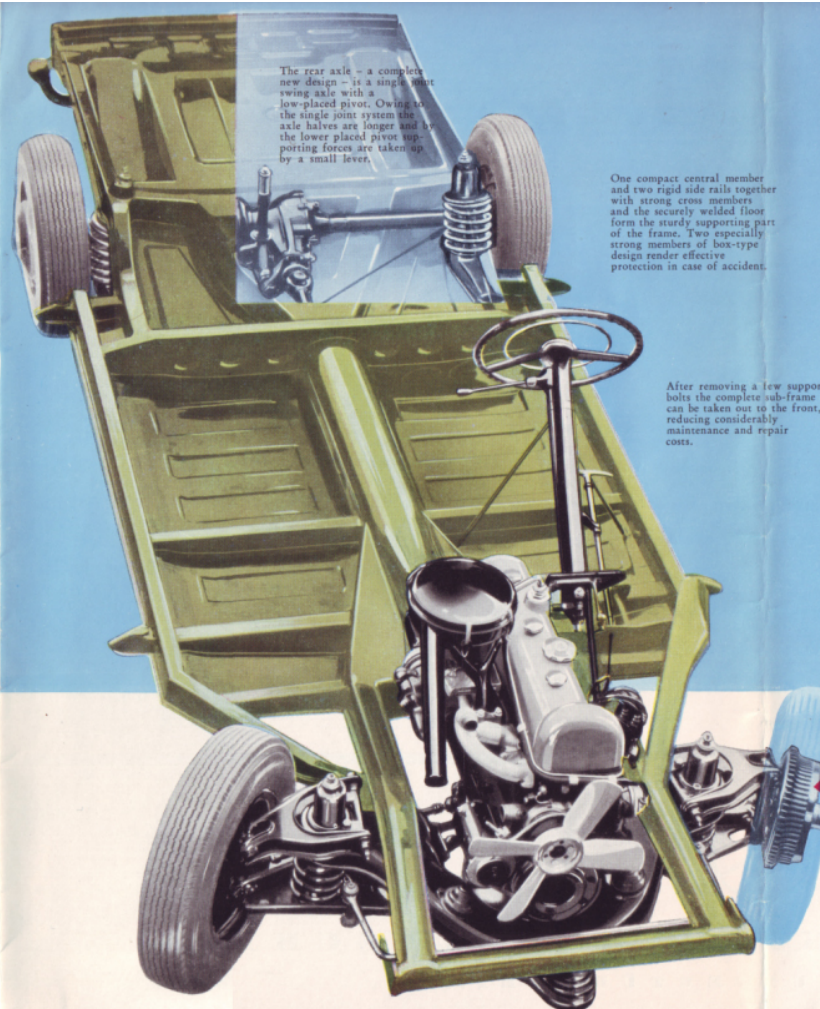
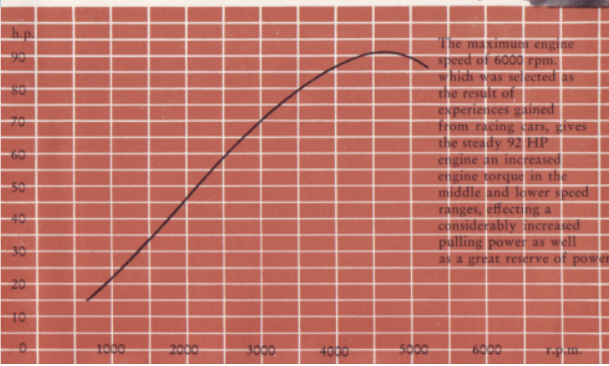
of the engine power.



2. speed 1 in 3.22 (31%)

3. speed 1 in 5.55 (18%)

4. speed 1 in 7.94 (13%)

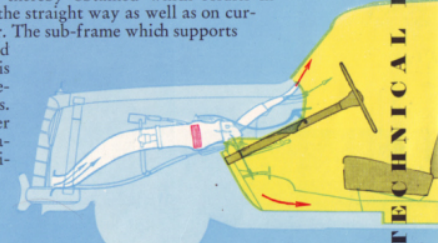


The rear axle - a complete new design - is a single joint swing axle with a low-placed pivot. Owing to the single joint system the axle halves are longer and by the lower placed pivot supporting forces are taken up by a small lever.

One compact central member and two rigid side rails together with strong cross members and the securely welded floor form the sturdy supporting part of the frame. Two especially strong members of box-type design render effective protection in case of accident.

After removing a few support bolts the complete sub-frame can be taken out to the front, reducing considerably maintenance and repair costs.

In the new Mercedes-Benz "Type 220" substantial technical improvements have been incorporated which add to a great extent to the driving comfort and, above all, to the driving safety. The combined frame and floor unit gives the car rigidity and a high resistance to torsion, an achievement gained by making use of all possible structural improvements. A technical development of particular interest is the sub-frame on which the complete front wheel assembly including, coil springs and telescopic shock absorbers are mounted. Correct front wheel alignment is thereby obtained which results in excellent road holding on the straight way as well as on curves with the least tire wear. The sub-frame which supports also the engine, clutch, and transmission aggregate is connected with the frame-floor unit on three places. By means of large rubber blocks the transfer of vibrations to the body is eliminated.



Special attention has been given to an effective ventilation and heating system. Wholly independent from weather conditions it assures a pleasant temperature inside of the car. Its operation has been made possible to driver and front-seat passenger by placing a switch on each end of the instrument panel. The pressure inside of the car built up by the incoming stream of fresh air causes to renew rapidly the air within and prevents the settling of dust. The defroster guarantees constant clear visibility of the windshield and both front side windows. Upon special request a blower can be installed on both sides of the air ducts permitting to ventilate and heat the car when it is not in motion.

STOP

The exceptional powerful and self-adjusting brakes make this fast and dynamic car unusually safe in traffic. By means of turbo-cooled brake drums an overheating of brakes - even when applied hard and long - is eliminated and an efficiency of astounding degree is absolutely assured.



SUPERIOR TECHNICAL DESIGN

U P O N R E Q U E S T

TYPE **220**



The right car for every weather

The construction of the sliding roof combines the advantages of a convertible with the stability and immunity to weather conditions of a sedan. One movement suffices to open or close the roof. An unimpeded view of clouds and mountains adds to the thrill and enjoyment of riding in one of the finest cars ever built.

With a radio in your car you will never feel lonely. It shortens long hours on the road by providing pleasant entertainment. The sonorous and static-proof reception becomes all the more evident by the quiet run of the engine.

T E C H N I C A L D A T A

Number of cylinders	6
Bore/stroke	3 ¹¹ / ₁₆ /2 ¹¹ / ₁₆ " (80/72.8 mm)
Cubic capacity, effective	133.949 cu. ins. (2195 ccm)
Compression ratio	7.6:1
Engine output (SAE standards)*	92 HP/4800 rpm.
Maximum engine speed	6000 rpm.
Normal fuel consumption**	28.8 m/Imp. gal. or 24 m/US gal. (9.8 ltr./100 km)
Firing order	1-5-3-6-2-4
Capacity of the cooling system with Daimler-Benz heater	19.8 Imp. pints or 23.9 US pints (11.3 ltr.)
Oil capacity of the crankcase	max./min. 9.5/6.2 Imp. pints or 12.6/7.4 US pints (6/3.5 ltr.)
Climbing capacity in 1st gear	1 in 1.92 (52%)
in 2nd gear	1 in 3.22 (31%)
in 3rd gear	1 in 5.55 (18%)
in 4th gear	1 in 10 (10%)
Maximum speed in 1st gear	28 m.p.h. (45 km/h)
in 2nd gear	42.25 m.p.h. (68 km/h)
in 3rd gear	68.7 m.p.h. (110 km/h)
in 4th gear	approx. 93.7 m.p.h. (150 km/h)
Tires	6.70-13
Battery	12 volt, 42 amp/h.
Rear axle	single joint swing axle with hypoid gears
Brakes	brake drums with turbo-cooled self-adjusting brake shoes, front and rear
Overall length of car	15' 5 ¹ / ₂ " (4715 mm)
Overall width of car	5' 8 ¹ / ₂ " (1740 mm)
Overall height of car, unloaded	5' 1 ¹ / ₂ " (1560 mm)
Wheelbase	9' 3" (2820 mm)
Wheel track, front	4' 8 ¹ / ₄ " (1430 mm)
rear	4' 9 ¹ / ₂ " (1470 mm)
Ground clearance, with	
2 passengers	8 ¹ / ₂ " (215 mm)
fully occupied	6 ¹ / ₂ " (162 mm)
Turning circle	approx. 36" (11 m)
Fuel tank capacity	14.0 Imp. gals. or 16.9 US gals. (64 ltr.)
- spare tank	1.1 Imp. gals. or 1.32 US gals. (5 ltr.)
Lubricating oil consumption	235 m/Imp. pints or 196 m/US pints (0.15 ltr./100 km)
Octane rating of fuel	Commercial fuel with at least 78 octane according to engine method (e.g. super fuel)
Curb weight of car	2822 lbs. (1280 kg)

* Determining the engine output in gross HP, no consideration has been taken of auxiliary units not required for engine operation.

** Determined at ²/₃ maximum speed with a deduction of 10 per cent.

Subject to changes in specifications, design, and equipment.

Mercedes-Benz service is as excellent as the car itself



DAIMLER - BENZ AKTIENGESELLSCHAFT

STUTTGART - U N T E R T Ü R K H E I M