

Trabant



VEB SACHSENRING AUTOMOBILWERKE ZWICKAU

The TRABANT STATION WAGON has been designed as the economy-size, versatility featured wagon for a variety of jobs.

Be it on your holiday trips, when driving on business matters, with week-ends or with sports, the TRABANT Station Wagon is uniting advantages of a Saloon Car with those proffered of cars of increased luggage accommodation space for the housing of versatile requirements.

The TRABANT STATION WAGON can be driven with four adults, or with two adults either, if the rear seats are being folded forward, in which case the surprisingly advantageous loading schemes are demonstrated at their best. Backwards extended side windows, and the laterally backwards opening large rear door, are the eye-striking characteristics of the Station Wagon design.

The indestructible two-cylinder two-stroke engine with its 20 horsepowers is imparting the TRABANT Station Wagon a maximum speed of approx. 90 km = 56 miles per hour, and the particular stepping-up of the front axle drive is guaranteeing an exceptionally good tractive capacity within the lower speed ranges.

The complete driving plant block including the four-speed gearing has been accommodated on a mutual driving stool which is connected with the platform frame of the body skeleton to a self-supporting unit. The body lining consists of the approved Duroplast plastic material the properties of which did assist in giving the TRABANT the mark:

Trabant the small-sized car with the large-scale advantages!

Technical Specifications of the SACHSENRING TRABANT

Engine

| | |
|--------------------------|---|
| Construction | Otto engine |
| Working process | Two-stroke petrol engine with rotary valve |
| Number of cylinders | 2 cylinders |
| Disposition of cylinders | cross to the longitudinal axle |
| Cylinder bore | 66 mm |
| Piston stroke | 73 mm |
| Cubic capacity | 500 c. c. |
| Compression ratio | 7 |
| Performance, max. | 20 HP at 3,900 r. p. m. |
| Max. torque | 4,5 mkg at 2,750 r. p. m. |
| Lubrication | mixture lubrication |
| Lubricating material | HYZET-two-stroke lubricating oil (in accordance with the two-stroke lubricating oil of the international standards) |

Cooling system

| | |
|----------------|--|
| Cooling system | air cooling |
| | axial fan by means of V-belt drive from crankshaft (V-belt dimension: 13 x 975 mm) |

Carburettor

BVF - flat draught carburettor 28 HB 2-1

Ratio of mixture Petrol: oil = 33 : 1

Clutch

Single dry-plate clutch

Transmission

| | | |
|------------|---------------|------|
| Gear ratio | 1st ratio | 4.08 |
| | 2nd ratio | 2.32 |
| | 3rd ratio | 1.52 |
| | 4th ratio | 1.03 |
| | reverse ratio | 5.34 |

| | |
|---------------------------------------|-------------------------|
| Connection | Lever type steering |
| Construction of the differential gear | bevel differential gear |
| Axle ratio | 4,94 |
| Additional installation | blockable freewheeling |

Ignition

Battery ignition
Coil ignition Single inside of the coil box for all cylinders

Electric generator

Power 180 Watt, 6 Volt

Battery

lead plate accumulator
6 Volt 56 Ah in conformity with DIN 72311

Chassis

Frame platform frame with sheet steel structure, welded together to form a unitary body and chassis construction

Front axle

Fastening Single wheel suspension
Springing Cross leaf spring (semi-elliptic spring)
Wheel suspension at the upper cross leaf spring, at the lower steering arm

Shock absorbing double-acting telescopic shock absorber

Drive double joint shaft (inside: flexible rubber joint) (outside: metal joint)

Rear axle

Fastening Single wheel suspension
Construction oscillating axle with triangular guider

Springing Cross leaf spring with progressive efficiency

Shock absorbing double-acting telescopic shock absorber

Steering rack-and-pinion steering
Turning circle appr. 10 meters (= 32 ft)

Brakes inside shoe brake

Foot brake hydraulic four-wheel brakes

Hand brake operates mechanically on the rear wheels

Wheels

Disc wheels with four holes graduation

Size of felly 4 J x 13

Tyres 5.20 x 13

Fuel system

Position below the bonnet at the right side of the front wall

Total contents 24 litres

Reserve about 4 litres

Body

Construction Sheet steel structure, welded together with the ground carrying plate
Body shell with outer lining of Duroplast
Doors 2 doors and 1 backdoor
Number of seats 4 seats or 2 with increased loading place
Bolster leatherette covering
Heating by hot-air from cooling fan crossing the exhaust heating

Dimensions

Wheel base 2020 mm (79 1/2 in)
Overall length 3361 mm (132 1/4 in)
Overall width 1493 mm (58 3/4 in)
Overall height: 1460 mm (57 1/2 in)

Weights

Total weight 1000 kg
Dead weight 660 kg
ready for start
Useful load 4 persons and 80 kg luggage or 2 persons and 210 kg luggage

Performance

Top speed 90 km/h
Touring speed 80 km/h
Nominal fuel consumption according to DIN 70030 6.8 litres = 1.5 Imp. gall. per 100 km (Depending on the resp. driving speeds varying between 6 and 8.5 litres per 100 km)



EXPORTEUR:

TRANSPORTMASCHINEN EXPORT-IMPORT

DEUTSCHER INNEN-UND AUSSENHANDEL · BERLIN W8
DEUTSCHE DEMOKRATISCHE REPUBLIK