

*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  
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  
4 J x 13  
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 ready for start 660 kg  
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 W 8  
DEUTSCHE DEMOKRATISCHE REPUBLIK