

*Trabant*



**VEB SACHSENRING AUTOMOBILWERKE ZWICKAU**

This is the perfect Delivery Van for the smaller business enterprise. Next the driver's seat there is still another one, and the payload space is measuring 1.20 x 1.18 metres (3.94 x 3.87 ft.) in length resp. in width, and, consequently, is a transporter for versatile all-the-year-round jobs.

The large lateral areas can be used advantageously for advertising purposes by application of Trade Marks or other adequate inscriptions. The rear door with large window can be opened wide for easy access during loading and deloading performances.

The unpretentious, air-cooled two-stroke, double-cylinder engine is guaranteeing a permanent readiness for use. 20 HP which are being transmitted to the front wheel drive over a four-gear unit are imparting the TRABANT Delivery Van a top speed of approx. 90 km = 56 miles per hour. The sheet steel structure which has been welded to the platform frame is forming the supporting element and is lined with Duroplast plastic material. The economy of the TRABANT Delivery Van is especially underlined by its nominal fuel consumption of 6.8 litres = 1.5 Imp. gallons per 100 km.

After all:

**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 | 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

|                |  |
|----------------|--|
| Turning circle | rack-and-pinion steering                 |
| Brakes         | appr. 10 meters (= 32 ft)                |
| Foot brake     | inside shoe brake                        |
|                | hydraulic four-wheel brakes              |
| Hand brake     | operates mechanically on the rear wheels |

### Wheels

|                     |  |
|---------------------|--|
|                     | Disc wheels with four holes graduation |
| Size of felly Tyres | 4 J x 13<br>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 | 2 seats 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                 | 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**

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