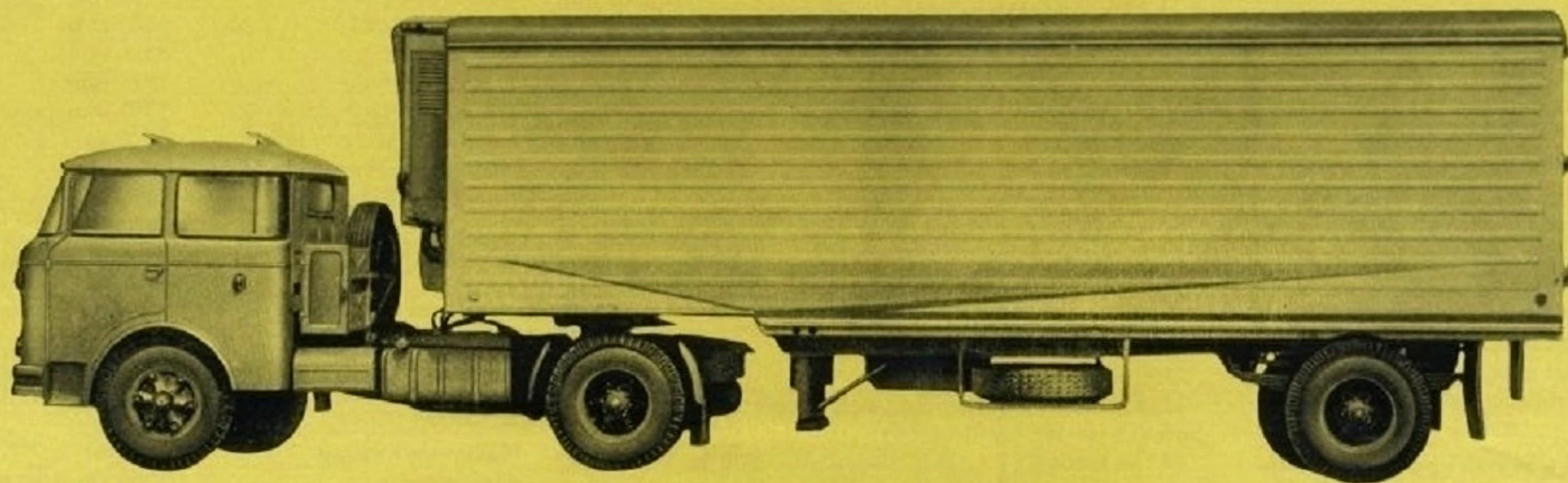




REFRIGERATING TRAILER

N12CH

N12CH

This refrigerating transport unit is used either for transportation of pre-cooled or frozen goods in order to protect them against damage due to heat in the course of long distance transports, or for transportation of goods which must be protected against frost during the winter season. The trailer is towed by ŠKODA 706 RTTN tractor.

The goods are stowed inside the refrigerating trailer in which the required operation temperature is maintained. It can be regulated within the range of +12 up to -20°C with a minimum difference of 2°C at ambient temperatures of +35 up to -20°C. The interior operation temperature of the refrigerating trailer is maintained by cooling in summer and by heating in winter. Cooling is effected by means of BJ S 31 trailer integral unit equipped with automatic exhausting and heating mechanism.

Basic technical data of N 12 CH refrigerating trailer

Dimensions and weights of the unit

a) Dimensions of the articulated vehicle

Overall length	12040 mm
Overall width	2500 mm
Height when loaded	3500 mm
Height when empty	3550 mm

b) Weight of the articulated vehicle

Curb weight	12050 kg
Gross vehicle weight	24350 kg

c) Axle and fifth wheel pressures due to gross vehicle weight

Tractor front axle	4350 kp
Tractor rear axle	10000 kp
Trailer axle	10000 kp
Tractor fifth wheel	8000 kp
Specific performance of unit towed by ŠKODA 706 RTTN tractor	6.57 H.P./ton

Dimensions and weights of the trailer

a) Outside dimensions of the trailer

Overall length	9045 mm
Overall width	2500 mm
Height when loaded	3500 mm
Height when empty	3550 mm

b) Interior cooled space

Length	8015 mm
Width	2110 mm
Height	1890 mm
Cubic capacity	31.60 cubic meters

c) Interior useful loading space

Width	2060 mm
Length	7970 mm
Height (up to the bottom edge of suspending mechanism)	1840 mm
Floor area	16.40 sq. meters
Capacity	29.50 cubic meters
Trailer curb weight	6000 kg
Gross trailer weight	18000 kg
Useful load of trailer floor	12000 kg
Useful load on suspending equipment	5000 kg
Heat transfer coefficient of the trailer	0.30 kcal/m ² , h, °C

Basic technical data of ŠKODA 706 RTTN tractor

Engine	ŠKODA 706 RT
Engine performance	160 H.P. at 1750 R.P.M.
Maximum torque	70 kgm at 1200 R.P.M.
Specific fuel consumption	170 g./H.P./h at maximum torque
Cylinders	6
Cylinder arrangement	standing, in line
Bore	125 mm
Stroke	160 mm
Cylinder volume	11781 ccm
Compression ratio	16.5 : 1
Oil pressure	5 kg per square cm
Wheels	detachable, split, cast wheels with 8.00—20 rim
Tyres	11.00—20 eHD
Air pressure in tyres	6.5 kg per square cm
Number of fuel tanks	2
Total capacity of fuel tanks	350 litres

Cooling system capacity	45 litres
Electric system voltage	24 volts
Storage batteries	2 pcs. 12 volt — 165 ampere hours
Generator	150 mm diameter, 24 volts — 300 watts
Starter	150 mm diameter, 24 volts, 6 H.P. output
Overall length	5850 mm
Overall width	2350 mm
Overall height	2500 mm
Road clearance	280 mm
Wheel base	3450 mm
Track, front	1927 mm
Track, rear	1755 mm
Curb weight	6050 kg
Maximum permissible fifth wheel pressure	8000 kp

Basic technical data of BJ S 31 integral unit

Maximum cooling performance	3200 kcal — 18°C inside the refrigerated space and at +35°C ambient temperature
Maximum heating performance	1200 kcal/h at — 20°C ambient temperature and at +12°C temperature inside the trailer
Automatization degree	automatic operation during cooling and heating
Driving engine type	B-4 S-68 four-stroke petrol engine
Specified fuel	84 octane petrol
Fuel consumption (max.)	4 litres per hour
Cooling circuit charge	Freon 12 cooling agent 7 kg CHF 12 oil 3.5 kg

MOTOKOV

P R A H A • Č S S R