

PORSCHE

TECHNICAL DATA OF THE FORMULA I - CAR

Engine

cylinder number	4
bore	85 mm
stroke	66 mm
displacement	1498 cm ³
compression DIN power at 7800 rpm	150 PS
compression SAE power at 7800 rpm	165 HP
maximum torque	14.9 mkg at 6300 rpm 100 PS/ltr.

Engine construction type

type	4-stroke Gasoline Motor with 2 opposite cylinders Boxer type
crankcase	alloy
cylinder	single cylinder, light metal, surface hardened, chrome plated
crankshaft	pressed assembled
crankshaft bearing	3 roller bearings, 1 ball bearing
connecting rod bearings	roller bearings
piston small end bearing	floating bronze bushings
piston	pressed alloy
piston ring	3 compression rings, 1 oil scraper
valve timing	2 overhead inlet and 2 exhaust
camshaft drive	Camshafts and cam follower
valve assembly	by 2 vertical shaft
valve springs	hanging, v-shaped
valve timing at 0.15 mm valve clearance inlet opens before TDC	2 coil springs per valve
shock absorber	70° Koni double-acting telescopic shock absorber
stabilizer	front, transverse horizontal
steering	ZF single finger steering with split tie rods
steering gear ratio	1: 16 in the center
tires front	5.50 x 15 R
tires rear	6.00 x 15 R

service brake	dual circuit design
parking brake	mechanically, acting on both rear wheels
brake drum internal diameter	280 mm
effective braking surface front	558 cm ²
effective braking surface rear	372 cm ²

Dimensions and weights

wheelbase	2200 mm
track width front	1300 mm
track width rear	1260 mm
length	3350 mm
width	920 mm
height	900 mm
smallest ground clearance	120 mm
turning radius	11.5 m
dry weight	470 kg

Fluids filling quantities

fuel tank	100 liters
oil tank	8 liters
transmission and differential gear	2.75 liters
steering	approximately 250 cm ³
hydraulic brake system	approximately 450 cm ³ brake fluid
hydraulic clutch actuation	approximately 300 cm ³ brake fluid
top speed	approximately 250 km/ hour

October 1961
Subject to change

Press Department