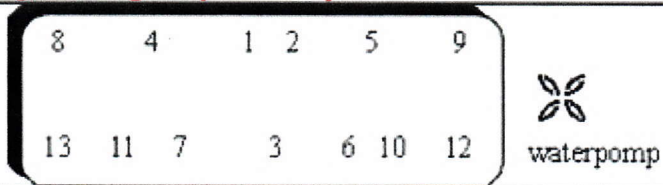



**CTA Import & Service**


## Essential Technical Data 11BL & BN

<b>Engine</b>	
Power /rpm:	56 hk/ 3800.(11D 60/4000)
Compression ratio:	6,2 : 1
Compression:	7,7 kg/cm <sup>2</sup>
Torque:	12,2 kgm/ 2000 omw.
Cylinder diameter:	78 mm.
Stroke:	100 mm.
Cylinders:	4 in line.
Cylinder volume total:	1,911 litre
Main bearing seat bore:	58,01 + 0,025mm.
<b>Pistons</b>	
Material:	Aluminium alloy
Play pistons-liners:	0,06-0,08 mm.
Gudgeon pin diam:	20 mm.
Gudgeon pin grip	thumb pressure
Piston rings:	2 / 3 compression
	2 oil scrape
Piston ring gap:	comp: 0,15 - 0,20 mm. oil scraper: 0,07 - 0,10 mm.
<b>Conecting rods</b>	
Radial play:	0,05 - 0,06 mm.
Axial play: original con rods	0,10 - 0,15 mm.
piston pin play	0,015
<b>Crankshaft</b>	
Main bearing crank pin:	50,00 mm. std.
Connecting rod crank pin:	47,990-48,000mm. std.
Main bearings radial play:	0,04 - 0,08 mm.
Point of measure (axial play):	rear bearing  (at transmission chain)
<b>Valves</b>	
Valve clearance: Inlet (11D)	0,15, mm.,hot (11D 0,20)
Valve clearance: Exhaust (11D)	0,20, mm.,hot (11D 0,25)
Valve seat angel:	30° inlet / exhaust
Valve spring <b>inner</b> (length & load)	
- Free length:	43 mm.
- @ 16kg. load:	27 mm.
- @ 9kg. load:	33 mm.
Valve spring <b>outer</b> (length & load)	
- Free length:	46,5 mm.
- @ 30kg. load:	29 mm.
- @ 15kg. load:	37 mm.

<b>Valve timing</b>	
Inlet opens:	3° TDC (top dead center)
Inlet closes:	45° ABDC (after bottom dead center)
Exhaust opens:	45° BBDC (before bottom dead center)
Exhaust closes:	11° ATDC (after top dead center)
<b>Ignition</b>	
Sparkplugs:	Marchal 5N, NGK BP6HS, Champion H10 or K.L.G. F 50
Electrode gap:	0,5 - 0,6 mm.
<b>Distributor</b>	
Make & type:	*SEV *R.B. *DUCELLIER
Point gap:	0,45 - 0,55 mm.
<b>Fuelsystem</b>	
Carburettor: make & type:	* Solex 35 FPAI/FATIP
< Sept 1950	* Solex 32 PBIC.
> Sept 1950	* Zenith 32 IN.
Fuel pump: make & type:	* AC * SEV * GUIOT.
Pump pressure:	0,15 atm.
<b>Generator</b>	
Voltage regulator , make & type:	* Ducellier , * Citroën,*PR.
Cutting in voltage:	6,2 - 7,2 Volt.
Cutting out voltage:	7,2 Volt.
Voltage:	6 Volt.
Polarity:	Negative Earth
<b>Lubrication system.</b>	
Oil pressure: (hot)	2 - 2,5 kg @ 500 - 750 rpm.
<b>Front axle adjustments(alignment)</b>	
Camber:	1° ± ½
Caster:	1½ ° ±¼
Toe out:	0 - 2 mm.
Wheel base:	291 cm.
Tyre dim: 11cv.	165 x 400 , Michelin X
Tyre dim: 15cv.	185 x 400 , Michelin X
Chassis height : fram / bak BL/BN	295mm / 285/295mm.
Tyre pressure: 2 persons (4 persons +)	front:1,7 (2,0) rear:1,9(2,2) at
Hubcap Thread (Normal Wheels)	M14 x 1.5
Hubcap Thread (Pilote Wheels)	M10 x 28
<b>Brakes:</b>	
Brake drum diameter: Rear	255 mm. + 2 mm.
Brake drum diameter: Front	305 mm. + 2 mm.
<b>length of brake lining</b>	
front primary:	287 mm.
front secondary:	142 mm.
rear primary:	142 mm.
rear secondary	127 mm.
width brake lining:	35 mm.
thickness brake lining:	5 mm.
tightening torque front brake drum nut:	30 kgm./ 300 Nm.
<b>Tightening torques</b>	
Cylinder head bolts: Perfo (11D,ID19, HY)	5 kgm./ 50 Nm.(6 kgm/60 Nm )

Connecting rods: Perfo (11D)	4 kgm./ 40 Nm.(5 kgm/50 Nm )
Main bearing caps: (HY/ID	7 kgm./ 70 Nm. (10 kgm/100 Nm )
Manifold studs:	2 kgm./ 20 Nm.
Oil pan	1,2 kgm / 12 Nm
<b>Volume measurements</b>	
Engine oil:	4,5 litre
Oil type, winter:	SAE 20 / 15w40
Oil type, summer:	SAE 30 / 15w40 (SAE 50)
Gearbox (transmission):	2 litre
Oil type:	Hypoid SAE 90
Cooling system:11BL/11BN	7,5 / 8 litre
Fuel tank:11BL/11BN	45 / 50 litre
<b>Measurements, exterior</b>	
Wheelbase BL / BN	2,91 mtr / 3,09 mtr
Total length BL / BN	4,45 mtr / 4,65 mtr
Total width BL / BN	1,67 mtr /1,79 mtr
<b>Tightening sequence cylinderhead 11cv</b>	
	
<b>Traction Weights "unladen"</b>	
Model	Weight
7A	900 kg
7B	900 kg
7S	1025 kg
7C	1025 kg
7C eco	1025 kg
Light 12	1025 kg
11AL	1060 kg
11AM	1060 kg
11BL early	1060 kg
11BL	1070 kg
Light 15	1070 kg
11A	1100 kg
11B early	1100 kg
11B	1120 kg
Big 15	1120 kg
11A Lim	1130 kg
11A Fam	1170 kg
11B Lim	1140 kg
11B Fam	1180 kg
11B Comm	1210 kg
15 Six	1325 kg

15 Six Fam	1350+ kg
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