ENGINE

GENERAL

Type, designation		B 20 A	B 20 B	B 20 E	B 20 F
Output hp at r/m	SAE	90/4800	118/5800	135/6000	
	DIN	82/4700	100/5500	124/6000	
	SAE J 245				112/6000
Output kW at r/s	SAE	66/80	87/97	99/100	
	DIN	60/78	74/92	91/100	
	SAE J 245				82/100
Max. torque $\frac{\text{kpm}}{\text{lb ft}}$ at r/m	SAE	$\frac{16.5}{119}$/3000	$\frac{17.0}{124}$/3500	$\frac{18.0}{130}$/3500	
	DIN	$\frac{16.0}{116}$/2300	$\frac{15.5}{113}$/3500	$\frac{17.0}{123}$/3500	
	SAE J 245				$\frac{16.0}{115}$/3500
Max. torque Nm at r/s	SAE	162/50	167/58	177/58	
	DIN	157/38	152/58	167/58	
	SAE J 245				156/58

	B 20 A	B 20 B	B 20 E	B 20 F
Compression pressure (warm engine when turned over with starter motor) 4.2—5.0 r/s (250—300 r/m), kp/cm²	10—12	11—13	12—14	9—11
psi	142—170	156—185	170—200	128—156
Compression ratio	8.7:1	9.3:1	10.5:1	8.7:1
Number of cylinders	4	4	4	4
Bore		88.9 mm (3.500″)		
Stroke		80 mm (3.150″)		
Displacement		1.99 dm³ (1.99 liters)		
Weight, including electrical equipment and carburetor, approx.		155 kg (341 lb)		

CYLINDER BLOCK

Material	Special alloy cast iron
Bore, standard B20A and B20B	88.91 mm (3.5004″)
B20E and B20F	88.92 mm (3.5008″)
oversize 0.030″, B20A and B20B	89.67 mm (3.530″)
B20E and B20F	89.68 mm (3.531″)

PISTONS

Material	Light alloy
Weight, standard	507±5 grammes (17.90±0.18 oz.)
Permissible weight deviation between pistons in same engine	10 grammes (0.35 oz.)
Height, total	71 mm (2.79″)
Height from piston pin center piston crown	46 mm (1.81″)
Piston clearance, B20A and B20B	0.03—0.05 mm (0.0012—0.0020″)
B20E and B20F	0.04—0.06 mm (0.0016—0.0024″)

PISTON RINGS

Piston ring gap, measured in ring opening	0.40—0.55 mm (0.016—0.022″)

COMPRESSION RINGS

Upper ring chromed.

Number on each piston	2
Height	1.98 mm (0.078″)
Compression ring clearance in groove	0.040—0.072 mm (0.0016—0.0028″)