

Technical data

Engine data

Engine code		ACK	ALG	APR	AQD	AMX	AGE
Manufactured		02.97 ä	02.97 ä	02.97 ä	02.99 ä	04.00 ä	02.97 ä
Capacity	cm3	2771	2771	2393	2393	2393	2393
Power output	kW at rpm	142/6000	142/6000	142/6000	142/6000	142/6000	137/6000
Torque	Nm at rpm	280/3200	280/3200	230/3200	230/3200	230/3200	230/3200
Bore	mm	82.5	82.5	81.0	81.0	81.0	81.0
Stroke	mm	86.4	86.4	77.4	77.4	77.4	77.4
Compression ratio		10.6	10.6	10.5	10.5	10.5	10.5
RON	at least	98 unleaded 1)	98 unleaded 1)	95 unleaded 2)	95 unleaded 2)	95 unleaded 2)	95 unleaded 2)
Injection/ignition system		Motronic	Motronic	Motronic	Motronic	Motronic	Motronic
Knock control		yes	yes	yes	yes	yes	yes
Self-diagnosis		yes	yes	yes	yes	yes	yes
Lambda control		yes	yes	yes	yes	yes	yes

1) In exceptional circumstances, fuel with not less than 95 RON can also be used, but this will cause a loss of power.

2) In exceptional circumstances, fuel with not less than 91 RON can also be used, but this will cause a loss of power.

Engine code	ACK	ALG	APR	AQD	AMX	AGE
Exhaust gas recirculation	no	no	no	no	yes	no
Catalytic converter	yes	yes	yes	yes	yes	yes
Charging	no	no	no	no	no	no
Secondary air system	no	yes	no	yes	yes	yes
Valve timing at 1 mm valve lift and 0 mm 3)valve clearance						
Intake opens after TDC	12 °	12 °	12 °	12 °	12°	12 °
Inlet closes after BDC	42 °	42 °	36°	36°	36°	36°
Exhaust opens before BDC	38 °	38 °	38 °	38 °	38 °	38 °
Exhaust closes before TDC	8 °	8 °	8 °	8 °	8 °	8 °
Emissions standard	EU- 2	D- 3	EU- 2	D- 3	EU 4	D- 3

3) Camshaft timing control not active

Engine code	AGA	ALF	AJG	ALW	ARJ	APS
Capacity	cm3	2393	2393	2393	2393	2393
Power output	kW at	121/5600	121/5600	120/5600	100/5750	121/6000

	rpm						
Torque	Nm at rpm	230/3200	230/3500	230/3200	230/3200	230/3200	230/3200
Bore	mm	81.0	81.0	81.0	81.0	81.0	81.0
Stroke	mm	77.4	77.4	77.4	77.4	77.4	77.4
Compression ratio		10.5	10.5	10.5	10.5	10.5	10.5
RON	at least	95unleaded 2)	95unleaded 2)	95 unleaded2)	95 unleaded 2)	95 unleaded 2)	95 unleaded 2)
Injection/ignition system		Motronic	Motronic	Motronic	Motronic	Motronic	Motronic
Knock control		yes	yes	yes	yes	yes	yes
Self-diagnosis		yes	yes	yes	yes	yes	yes
Lambda control		yes	yes	yes	yes	yes	yes

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2) In exceptional circumstances, fuel with not less than 91 RON can also be used, but this will cause a loss of power.

Engine code	AGA	ALF	AJG	ALW	ARJ	APS
Exhaust gas recirculation	no	no	no	no	no	no
Catalytic converter	yes	yes	yes	yes	yes	yes
Charging	no	no	no	no	no	no
Secondary air system	no	yes	no	yes	yes	no
Valve timing at 1 mm valve lift and 0 mm 3)valve clearance						
Intake opens after TDC	12 °	12 °	12 °	12 °	12°	12 °
Inlet closes after BDC	42 °	42 °	36°	36°	36°	36°
Exhaust opens before BDC	38 °	38 °	38 °	38 °	38 °	38 °
Exhaust closes before TDC	8 °	8 °	8 °	8 °	8 °	8 °
Emissions standard	EU- 2	D- 3	EU- 2	D- 3	D- 3	EU 2

3) Camshaft timing control not active

Engine code	APZ	ARN	AMM	ASM	AML	APC
Manufactured	02.97 ä	02.97 ä	04.00 ä	04.00 ä	04.00 ä	02.97 ä
Capacity	cm3	2393	2393	2393	2393	2393
Power output	kW at rpm	120/6000	100/5750	120/6000	100/5750	121/6000
Torque	Nm at rpm	230/3200	230/3200	230/3200	230/3200	230/3200
Bore	mm	81.0	81.0	81.0	81.0	81.0
Stroke	mm	77.4	86.4	77.4	77.4	77.4
Compression ratio		10.5	10.5	10.5	10.5	10.5

RON	at least	95 unleaded 2)	95 unleaded 2)	95 unleaded2)	95 unleaded 2)	95 unleaded 2)	95 unleaded 2)
Injection/ignition system		Motronic	Motronic	Motronic	Motronic	Motronic	Motronic
Knock control		yes	yes	yes	yes	yes	yes
Self-diagnosis		yes	yes	yes	yes	yes	yes
Lambda control		yes	yes	yes	yes	yes	yes

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Engine code	APZ	ARN	AMM	ASM	AML	APC
Exhaust gas recirculation	no	no	no	no	no	no
Catalytic converter	yes	yes	yes	yes	yes	yes
Charging	no	no	no	no	no	no
Secondary air system	no	yes	yes	yes	yes	no
Valve timing at 1 mm valve lift and 0 mm 3)valve clearance						
Intake opens after TDC	12 °	12 °	12 °	12 °	12°	12 °
Inlet closes after BDC	42 °	42 °	36°	36°	36°	36°
Exhaust opens before BDC	38 °	38 °	38 °	38 °	38 °	38 °
Exhaust closes before TDC	8 °	8 °	8 °	8 °	8 °	8 °
Emissions standard	EU 2	D 3	EU 4	EU 4	EU 4	EU 4

3) Camshaft timing control not active

Engine code		ATX	BDV
Capacity	cm3	2771	2771
Power output	kW at rpm	140/6000	140/6000
Torque	Nm at rpm	280/3200	280/3200
Bore	mm	82.5	82.5
Stroke	mm	86.4	86.4
Compression ratio		10.6	10.5
RON	at least	98 unleaded 1)	98 unleaded 1)
Injection/ignition system		Motronic	Motronic
Knock control		yes	yes
Self diagnosis		yes	yes
Lambda control		yes	yes

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Engine code	ATX	BDV
Exhaust gas recirculation	no	no
Catalytic converter	yes	yes
Charging	no	no
Secondary air system	no	no
Valve timing at 1mm valve lift and 0 mm 3)valve clearance		
Inlet opens after TDC	12 °	12 °
Inlet closes after BDC	42 °	42 °
Exhaust opens before BDC	38 °	38 °
Exhaust closes before TDC	8 °	8 °
Emission standard	EU- 2	EU- 4

3) Camshaft timing control not active