

Stock Engine Specs

FIRE Engines

Displacement	Type	Bore	Stroke	Compression Ratio	Fuel	Max Power (HP/RPM)	Max Torque (Nm/rpm)	Engine Code
769cc	SOHC 8V	65mm	58mm	9.4:1	Carb	34/5250	57/2750	156A4.000
999cc	SOHC 8V	70mm	64.9mm	9.8:1	Carb	47/5000	80/2750	
999cc	SOHC 8V	70mm	64.9mm	9.6:1	Carb	45/5000	80/2750	156A2.000
999cc	SOHC 8V	70mm	64.9mm	9.6:1	Carb	50/5000		
999cc	SOHC 8V	70mm	64.9mm	9.6:1	SPI	50/5000		
999cc	SOHC 8V	70mm	64.9mm	9.6:1	SPI	45/5000	80/2750	
1108cc	SOHC 8V	70mm	72mm	9.6:1	Carb	50/5000	86/3000	156A3.000
1108cc	SOHC 8V	70mm	72mm	9.6:1	SPI	55/5500	85/3500	176A6.000
1108cc	SOHC 8V	70mm	72mm	9.6:1	SPI	55/5500	85/3500	176B2.000
1108cc	SOHC 8V	70mm	72mm	9.6:1	MPI			
1242cc	SOHC 8V	70.80mm	78.9mm	9.6:1	SPI	61/5500	98/3000	176A7.000
1242cc	SOHC 8V	70.80mm	78.9mm	9.6:1	SPI	60/5500	98/3000	176B1.000
1242cc	SOHC 8V	70.80mm	78.9mm	9.8:1	SPI	60/5500	96/3000	176B4.000
1242cc	SOHC 8V	70.80mm	78.9mm	9.8:1	MPI	77/6000	106/4000	176A8.000
1242cc	DOHC 16V	70.80mm	78.9mm	10.6:1	MPI	86/6000	113/4500	176B9.000
1242cc	SOHC 8V	70.80mm	78.9mm	9.5:1	MPI	60/5000	102/2500	188A4.000
1242cc	DOHC 16V	70.80mm	78.9mm	10.6:1	MPI	80/5000	114/4000	188A5.000
1368cc	SOHC 8V	72mm	84mm	11:1	MPI	-	-	-
1368cc	DOHC 16V	72mm	84mm	11:1	MPI	95/5800	128/4500	188A6.000

All this info is correct at this time.

Brazil Series (incomplete)

Displacement	Type	Bore	Stroke	Compression Ratio	Fuel	Max Power (HP/RPM)	Max Torque (Nm/rpm)	Engine Code
903cc	OHV 8V	65mm	68mm	9.0:1	carb	45/5600	68/3000	146A.000
903cc	OHV 8V	65mm	68mm	9.7:1	carb	45/5600	69/3000	146A.046
903cc	OHV 8V	65mm	68mm	9.7:1		45/5600	69/3000	146A.048
1116cc	OHV 8V	80mm	55.5mm	9.2:1				138B.000
1116cc	OHV 8V	80mm	55.5mm	9.2:1				138B.046
1116cc	OHV 8V	80mm	55.5mm	9.2:1				146A.4000
1116cc	OHV 8V	80mm	55.5mm	9.2:1		55/5600	86.3/2900	146A4.048
1299cc	SOHC 8V	86.4mm	55.4mm			68/5700	100/2900	
1299cc	SOHC 8V	86.4mm	55.4mm	8.1:1		68/5700	100/2900	
1301cc	SOHC 8V	86.4mm	55.5mm			68/5700	100/2900	
1301cc	SOHC 8V Turbo	86.4mm	55.5mm	7.7:1		77kw/5750	147/3200	
1301cc	SOHC 8V	86.4mm	55.5mm	9.1:1		68/5700	100/2900	
1372cc	SOHC 8V Turbo	80.5mm	67.4mm	7.8:1	Bosch Jetronic MPI	87kw/6000	161/3500	146A8.000
1372cc	SOHC 8V	80.5mm	67.4mm	9.2:1		54kw/6000	106/3250	146C1.000
1372cc	SOHC 8V	80.5mm	67.4mm					160A1.046

Since some people have been requesting info on other engines I've decided on adding info on all the other Fiat engines, this will take a long time so don't complain about it!! Another thing is that I'm not sure if all the serial numbers are correct, or correctly located to be more accurate. **The green areas are confirmed.**

This is the earlier info I had online if it's of any use

769cc FIRE carb (156A4.000)

Bore	65mm
Stroke	58mm
Engine Capacity	769cc
Compression Ratio	9.4
Compression Pressure	11.5bar
Maximum Power	34bhp/5250rpm
Maximum Torque	57Nm/2750rpm

Cylinder head (aluminum)

Valve size

Intake	26.20 - 26.50mm
Exhaust	23.20 - 23.50mm

Engine Block (cast iron)

Block height	200mm
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Rods are steel "I" style with straight cut heads

Carb Weber 32 TLF 11/250

Clutch Driven Plate Size	170mm
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999cc FIRE carb (156A2.000)

Bore	70mm
Stroke	64.9mm
Engine Capacity	999cc
Compression Ratio	9.6
Compression Pressure	11.5bar
Maximum Power	45hp/5000rpm
Maximum Torque	80Nm/2750rpm

Cylinder head (aluminum)

Valve size

Intake	30.20 - 30.50mm
Exhaust	27.20 - 27.50mm

Engine Block (cast iron)

Block height	200mm
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Rods are steel "I" style with straight cut heads

Carb Weber 32 TLF 6/250 (6/251 from 1988)

Clutch Driven Plate Size	170mm
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Note: Earlier engines (up to 88) had a 9.8:1 compression ratio.

1108cc FIRE carb (156A.3000)

Bore	70mm
Stroke	72mm
Engine Capacity	1108cc
Compression Ratio	9.6
Compression Pressure	11.5bar
Maximum Power	50hp/5000rpm
Maximum Torque	86Nm/3000rpm

Cylinder head (aluminum)

Valve size

Intake	30.20 - 30.50mm
Exhaust	27.20 - 27.50mm

Engine Block (cast iron)

Block height	200mm
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Rods are steel "I" style with straight cut heads

Carb Weber 32 TLF 27/251

Clutch Driven Plate Size	180mm
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1242cc FIRE MPI()

Bore	70.80mm
Stroke	78.86mm
Engine Capacity	1242cc
Compression Ratio	9.80:1
Compression Pressure	bar
Maximum Power	75hp/6000rpm
Maximum Torque	109.0Nm/4000rpm

Cylinder head (aluminum)

Valve size

Intake	mm
Exhaust	mm

Engine Block (cast iron)

Block height	210mm
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Rods are steel "I" style with straight cut heads

Clutch Driven Plate Size	mm
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1242cc FIRE SPI()

Bore	70.80mm
Stroke	78.86mm
Engine Capacity	1242cc
Compression Ratio	9.60:1
Compression Pressure	bar
Maximum Power	59hp/5000rpm
Maximum Torque	102.0Nm/2500rpm

Cylinder head (aluminum)

Valve size

Intake	mm
Exhaust	mm

Engine Block (cast iron)

Block height	210mm
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Rods are steel "I" style with straight cut heads

Clutch Driven Plate Size mm

The standard flywheels from the 1108/1242cc Fire engines weigh 6.5kgs (14.5lbs).

All Fire engines with the exception of the 16V look the same to the average person, and even someone knowledgeable around these engines may have a hard time telling between them.

Even though Fiat claims all FIRE blocks are of the same casting it has been found that not all FIRE blocks have the same mounting points.

Note: All specks posted on this page were verified by me to be correct (If you find some mistake report it to me). If you have some obscure spec please send me an email with it so I can post it.

I'm still looking for more info on the other FIRE engines and missing info on these.