



FORD COMPONENT SALES

Ford 1.0L FOX 155ps MHEV Engine

Technical Specifications

Engine Type: 4-cyl., In-line, Dual Overhead Cam, 16-valve

Block / Head:
Aluminium / Aluminium

Displacement (litres /cu in)
1.0L - 999cc (61.0)

Bore x Stroke (in): 71.9mm 82mm

Main Bearings: 5

Compression Ratio: 10.5:1

Fuel Injection: Sequential
Multiport Fuel Injection

Valve Operation: Direct Acting
Mechanical Bucket (DAMB)

Power (HP @ RPM)
114 kW (155 PS) / 6000 rpm 118
kW (160 PS) / 5750 rpm

Torque (lb.- t @ RPM):
190 Nm / 1900 - 5500 rpm:
200 Nm / 2000 - 5500 rpm

Oil Capacity / Spec:
5.05 L (5.34 qt) SAE 5W-20

Weight (kg.): 105kg

Dimensions (mm) H x W x L:
65 x 60 x 65



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Dunton Technical Centre,
Arterial Road, Laindon, Essex, SS15 6EE

 fcseuqry@ford.com

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Key Features & Benefits

Aluminium engine block and cylinder head help contribute to low vehicle weight.

Camshafts driven by timing chain, not belt, for more robustness.

DOHC design uses four valves per cylinder improves engine breathing and performance.

Direct Acting Mechanical Bucket (DAMB) valvetrain with polished buckets to reduce friction and improve fuel economy no adjustment needed throughout engine life (150,000 miles).

Sequential multi-port electronic fuel injection provides fuel at precisely the right moment for optimum performance.

Coil-on-plug ignition system design replaces spark plug wires for high-mileage durability.

Electronic throttle control, also known as "drive by wire" uses electronic sensors to operate the throttle.

Gaseous Fuel Capable Option.

Intake-Variable Cam Timing allows the camshafts to operate the intake valves at different times in the combustion cycle, based on speed and load. It adjusts the timing for maximum performance and efficiency.

Composite intake manifold for improved airflow.

Fox Upgrade 155PS - Engine and Hybrid Performance

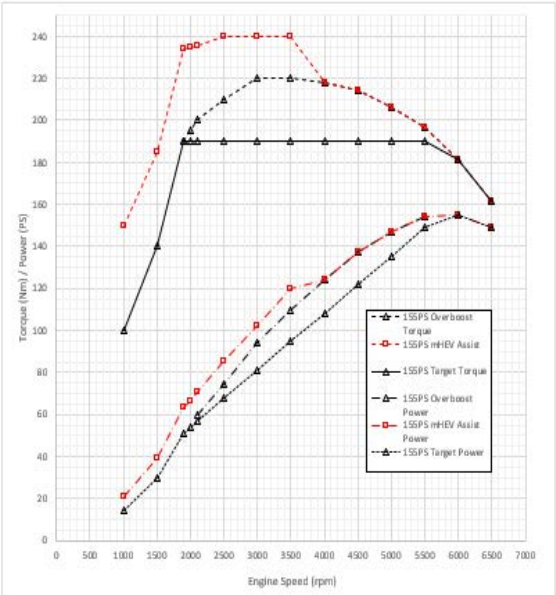
Note that all power is mechanical power at the crank

Fox Upgrade 1.0ltr GTDI 10:1 EU6.2 155PS BX726 MCA 38R0n *Note engine performance unchanged from C519/B479 and BX726 at launch

Engine Speed (rpm)	BISG (Nm)	Total (Nm)	BISG (PS)	OE Power (PS)
1000	50	150	7.1	21.4
1500	45	185.3	3.7	39.6
1900	41	234.36	11.1	63.4
2000	41	234.47	11.1	66.8
2100	40	235.71	12.0	70.3
2500	30	240	10.7	85.4
3000	20	240	8.5	102.5
3500	20	240	10.0	113.6
4000	0	218	0.0	124.1
4500	0	214	0.0	137.1
5000	0	206	0.0	146.6
5500	0	197	0.0	154.3
6000	0	181.4	0.0	155.0
6500	0	161.5	0.0	143.5

Fox Upgrade 1.0ltr GTDI 10:1 EU6.2 155PS BX726 MCA 38R0n

Engine Speed (rpm)	Torque (Nm)	Overboost Power (Nm)	PS	OE Power (PS)
1000	100	100	14.2	14.2
1500	140	140	23.9	23.9
1900	190	190	51.4	51.4
2000	190	195	54.1	55.5
2100	190	200	56.8	59.8
2500	190	210	67.6	74.7
3000	190	220	81.2	84.0
3500	190	220	84.7	103.6
4000	190	218	108.2	124.1
4500	190	214	121.7	137.1
5000	190	206	135.3	146.6
5500	190	197	148.8	154.3
6000	181.4	181.4	155.0	155.0
6500	161.5	161.5	143.5	143.5



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