



FORD COMPONENT SALES

Ford 1.0L FOX 125ps MHEV Engine

Technical Specifications

Engine Type: 3-cyl., In-line, Dual Overhead Cam

Block / Head:
Cast iron / Aluminium

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

Bore x Stroke (in): 71.9mm 82mm

Main Bearings: 4

Compression Ratio: 10.5:1

Fuel Injection: Sequential
Multiport Fuel Injection

Valve Operation: Direct Acting
Mechanical Bucket (DAMB)

Power (PS @ RPM)
(125 PS) / 6000 rpm

Torque (170 Nm @ 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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Key Features & Benefits

Cast iron 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

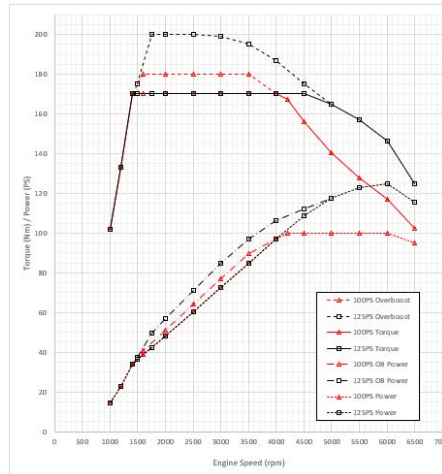
Coil-on-plug ignition system design replaces spark plug wires for high-mileage durability

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 "125PS" Engine Only Capability

Fox Upgrade 1.0ltr GTDI 10.5:1
EU6.2
125PS B479/BX726/C519/V769
98Ron

Engine Speed (rpm)	Torque (Nm)	Overboost (Nm)	Power (PS)	DB Power (PS)
1000	102	N/A	14.5	N/A
1200	133	N/A	22.7	N/A
1400	170	170	33.9	33.9
1500	170	175	36.3	37.4
1750	170	200	42.4	49.8
2000	170	200	48.4	56.9
2500	170	200	60.5	71.2
3000	170	199	72.6	85.0
3500	170	195	84.7	97.2
4000	170	187	96.8	106.5
4500	170	175	108.9	112.1
5000	165	165	117.5	117.5
5500	157	N/A	122.9	N/A
6000	146	N/A	125.0	N/A
6500	125	N/A	115.7	N/A



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