

### FORD COMPONENT SALES

# 1.0L Fox MHEV Engine 155ps

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

Torque (lb.- t a 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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#### 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

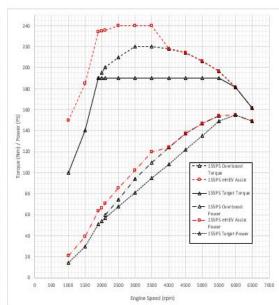
Fox Upgrade 155PS - Engine and Hybrid Performance

Note that all power is mechanical power at the crank

Fox Upgrade 1.0ltr GTDI 10:1 "Note engine performance unchanged from C513/B479 and BX726 at launch

155PS BX726 MCA

|  | BISG   | Total   | BISG  | OB Powe  |
|--|--|---|---|--|
| (rpm   | (Nm)   | (Nm)  | (PS)  | (PS)   |
| 1000   | 50   | 150   | 7.1   | 21.4   |
| 1500   | 45   | 185.3   | 9.7   | 39.6   |
| 1900   | 41   | 234.36  | 11.1  | 63.4   |
| 2000   | 41   | 234.47  | 11.7  | 66.8   |
| 2100   | 40   | 235.71  | 12.0  | 70.  |
| 2500   | 30   | 240   | 10.7  | 85.4   |
| 3000   | 20   | 240   | 8.5   | 102.   |
| 3500   | 20   | 240   | 10.0  | 119.6  |
| 4000   | 0  | 218   | 0.0   | 124.   |
| 4500   | 0  | 214   | 0.0   | 137.   |
| 5000   | 0  | 206   | 0.0   | 146.0  |
| 5500   | 0  | 197   | 0.0   | 154.3  |
| 6000   | 0  | 181.4   | 0.0   | 155.0  |
| 6500   | 0  | 161.5   | 0.0   | 149.   |
| EU6.2<br>155PS   | I.Oltr GTDI 10:<br>BX726 MCA   | 1   |   |  |
| EU6.2<br>155PS<br>38Ron  | BX726 MCA  |   | Damua   | OR Dawn  |
| EU6.2<br>155PS<br>98Ron<br>Engine Speed  | BX726 MCA<br>Torque  | Overboos  |   |  |
| EU6.2<br>155PS<br>98Ron<br>Engine Speed<br>(rpm  | BX726 MCA<br>Torque<br>(Nm)  | Overboosi<br>(Nm)   | (PS)  | (PS)   |
| EU6.2<br>155PS<br>38Ron<br>Engine Speed<br>(rpm<br>1000  | BX726 MCA<br>Torque<br>(Nm)<br>100   | Overboos<br>(Nm)<br>100   | (PS)<br>14.2  | 14.1   |
| EU6.2<br>155PS<br>38Ron<br>Engine Speed<br>(rpm<br>1000<br>1500  | BX726 MCA<br>Torque<br>(Nm)<br>100<br>140  | Overboosi<br>(Nm)<br>100<br>140   | (PS)<br>14.2<br>29.9  | (PS)<br>14.3<br>29.3   |
| EU6.2<br>155PS<br>98Ron<br>Engine Speed<br>(rpm<br>1000<br>1500<br>1300  | BX726 MCA<br>Torque<br>(Nm)<br>100<br>140<br>130   | Overboos<br>(Nm)<br>100<br>140<br>190   | (PS)<br>14.2<br>29.9<br>51.4  | (PS)<br>14.3<br>29.3<br>51.4   |
| EU6.2<br>155PS<br>38Ron<br>Engine Speed<br>(rpm<br>1000<br>1500<br>1500<br>1300<br>2000  | BX726 MCA<br>Torque<br>(Nm)<br>100<br>140<br>130<br>130  | Overboos<br>(Nm)<br>100<br>140<br>190<br>195  | (PS)<br>14.2<br>29.9<br>51.4<br>54.1  | (PS)<br>14.3<br>29.3<br>51.4<br>55.1   |
| EU6.2<br>155PS<br>98Ron<br>Engine Speed<br>(rpm<br>1000<br>1500<br>1900<br>2000<br>2100  | BX726 MCA<br>Torque<br>(Nm)<br>100<br>140<br>190<br>190<br>190                                   | Overboost<br>(Nm)<br>100<br>140<br>190<br>195<br>200  | (PS)<br>14.2<br>29.9<br>51.4<br>54.1<br>56.8  | (PS)<br>14.3<br>29.3<br>51.4<br>55.3<br>55.3   |
| EU6.2<br>155PS<br>38Ron<br>Engine Speed<br>(rpm<br>1000<br>1500<br>1500<br>2000<br>2100<br>2500  | BX726 MCA<br><u>Torque</u><br><u>(Nm)</u><br>100<br>140<br>130<br>130<br>130<br>130              | Overboost<br>(Nm)<br>100<br>140<br>190<br>195<br>200<br>210   | (PS)<br>14.2<br>29.9<br>51.4<br>54.1<br>56.8<br>67.6  | (PS)<br>14.3<br>29.3<br>51.4<br>55.1<br>55.1<br>53.3<br>74.1                                     |
| EU6.2<br>155PS<br>38Ron<br>Engine Speed<br>(rpm<br>1000<br>1500<br>1500<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2000<br>2 | BX726 MCA<br>Torque<br>(Nm)<br>100<br>140<br>190<br>190<br>190<br>190<br>190<br>190              | Overboosi<br>(Nm)<br>100<br>140<br>130<br>135<br>200<br>210<br>220                                    | (PS)<br>14.2<br>23.3<br>51.4<br>54.1<br>56.8<br>67.6<br>81.2                                    | (PS)<br>14.3<br>29.3<br>51.4<br>55.7<br>53.0<br>74.<br>94.0                                      |
| EU6.2<br>155PS<br>36Ron<br>Engine Speed<br>(rpm<br>1000<br>1500<br>1500<br>2000<br>2100<br>2500<br>3000<br>3500  | BX726 MCA<br>Torque<br>(Nm)<br>100<br>140<br>190<br>190<br>190<br>190<br>190<br>190<br>190       | Overboost<br>(Nm)<br>100<br>140<br>130<br>200<br>210<br>220<br>220                                    | (PS)<br>14.2<br>23.3<br>51.4<br>54.1<br>56.8<br>67.6<br>81.2<br>34.7                            | (PS)<br>14.;<br>23.;<br>51.;<br>55.;<br>53.;<br>74.;<br>34.;<br>103.;                            |
| EU6.2<br>155PS<br>38Ron<br>Ingine Speed<br>(rpm<br>1000<br>1500<br>2000<br>2100<br>2500<br>3000<br>3500<br>4000  | BX726 MCA<br>Torque<br>(Nm)<br>100<br>140<br>130<br>130<br>130<br>130<br>130<br>130<br>130<br>13 | Overboost<br>(Nm)<br>100<br>140<br>190<br>200<br>210<br>220<br>220<br>220<br>218                      | (PS)<br>14.2<br>29.9<br>51.4<br>54.1<br>56.8<br>67.6<br>81.2<br>94.7<br>108.2                   | (PS)<br>14.3<br>23.3<br>51.4<br>55.3<br>53.3<br>74.3<br>34.1<br>103.0<br>124.4                   |
| EU6.2<br>155PS<br>38Ron<br>(rpm<br>1000<br>1500<br>2000<br>2100<br>2100<br>2500<br>3000<br>3500<br>4000<br>4500  | BX726 MCA<br>Torque<br>(Nm)<br>100<br>140<br>190<br>190<br>190<br>190<br>190<br>190<br>190<br>19 | Overboost<br>(Nm)<br>1000<br>1300<br>135<br>2000<br>210<br>2200<br>2210<br>2218<br>218<br>214         | (PS)<br>14.2<br>29.9<br>51.4<br>54.1<br>56.8<br>67.6<br>81.2<br>94.7<br>108.2<br>121.7          | (PS)<br>14.3<br>29.3<br>51.4<br>55.3<br>59.3<br>74.<br>94.1<br>109.1<br>124.<br>137.             |
| EU6.2<br>155PS<br>38Ron<br>(rpm<br>1000<br>1500<br>1500<br>2000<br>2100<br>2100<br>2500<br>3000<br>3500<br>4000<br>4500<br>5000  | BX726 MCA<br>Torque<br>(Nm)<br>100<br>130<br>130<br>130<br>130<br>130<br>130<br>130              | Overboost<br>(Nm)<br>100<br>140<br>190<br>200<br>210<br>220<br>220<br>228<br>214<br>218<br>214<br>206 | (PS)<br>14.2<br>23.3<br>51.4<br>54.1<br>56.8<br>67.6<br>81.2<br>94.7<br>108.2<br>121.7<br>135.3 | (PS)<br>14.;<br>29.;<br>51.;<br>55.;<br>53.;<br>74.;<br>34.;<br>103.;<br>124.;<br>137.;<br>146.; |
| EU6.2<br>155PS<br>38Ron<br>(rpm<br>1000<br>1500<br>2000<br>2100<br>2100<br>2500<br>3000<br>3500<br>4000<br>4500  | BX726 MCA<br>Torque<br>(Nm)<br>100<br>140<br>190<br>190<br>190<br>190<br>190<br>190<br>190<br>19 | Overboost<br>(Nm)<br>1000<br>1300<br>135<br>2000<br>210<br>2200<br>2210<br>2218<br>218<br>214         | (PS)<br>14.2<br>29.9<br>51.4<br>54.1<br>56.8<br>67.6<br>81.2<br>94.7<br>108.2<br>121.7          | (PS)<br>14.3<br>29.3<br>51.4<br>55.3<br>59.3<br>74.<br>94.1<br>109.1<br>124.<br>137.             |





Specifications, features, and benefits applicable to engines and transmissions are based on Ford products, and may vary with different applications. Pictures and details shown are for illustrative purposes only (actual product may vary). Additionally, the availability of the product(s) described herein may vary. Contact Ford Component Sales, for details. Please note powercurves are valid at time of publication

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