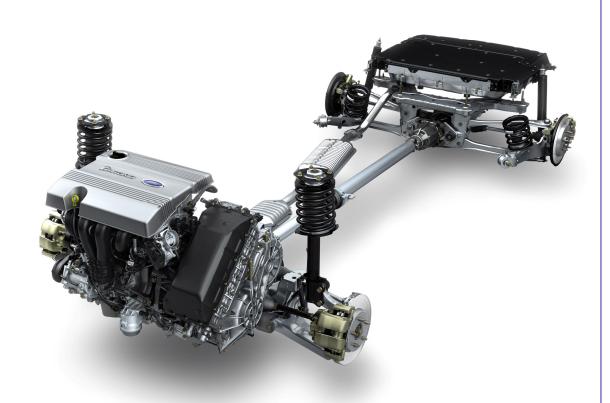
#### **FORD**COMPONENT SALES

### POWERTRAIN PRODUCT GUIDE



Car • MPV • 4x4 Light Truck • Heavy Truck

#### **POWERTRAIN PRODUCT GUIDE**

This Powertrain Product Guide is an overview of the various Car, MPV, Light and Heavy Truck Powertrains available from Ford Motor Company. The guide details specifications for engines and transmissions used in Ford vehicles.

The information contained in this publication was technically correct at the time of printing. Ford Motor Company reserves the right to make changes without prior approval and/or notice.

Note: Not all component configurations are exact pictorials for every model application due to various packaging issues unique to a vehicle line.

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FORD COMPONENT SALES LIMITED

ISSUE NO 1: DECEMBER 2007

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## Car & MPV



Ка		
Model/Series	Body	Engines
1.3	24*	1.3 Duratec I4 8V
1.6	3dr	1.6 Duratec I4 8V



Fiesta/Fusion		
Model/Series	Body	Engines
1.25		1.25 Duratec I4 16V
1.4		1.4 Duratec I4 16V
1.6	3/5dr Van	1.6 Duratec I4 16V
2.0		2.0 Duratec I4 16V
1.4		1.4 Duratorq TDCI I4 8V
1.6		1.6 Duratorq TDCI I4 16V



Focus		
Model/Series	Body	Engines
1.4		1.4 Duratec I4 16V
1.6		1.6 Duratec I4 16V
1.8	3/4/5dr Estate	1.8 Duratec I4 16V
2.0		2.0 Duratec I4 16V
2.5		2.5 Duratec I5 20V
1.6		1.6 Duratorq TDCI I4 16V
1.8		1.8 Duratorq TDCI I4 8V
2.0		2.0 Duratorq TDCI I4 16V



C-Max		
Model/Series	Body	Engines
1.4		1.4 Duratec I4 16V
1.6		1.6 Duratec I4 16V
1.8		1.8 Duratec I4 16V
2.0	5dr	2.0 Duratec I4 16V
1.6		1.6 Duratorq TDCI I4 16V
1.8		1.8 Duratorq TDCI I4 8V
2.0		2.0 Duratorq TDCI I4 16V



	Mondeo	
Model/Series	Body	Engines
2.0	4/5dr Estate	2.0 Duratec I4 16V
2.3		2.3 Duratec I4 16V
2.5		2.5 Duratec I5 20V
1.8		1.8 Duratorq TDCI I4 8V
2.0		2.0 Duratorq TDCI I4 16V



S-Max		
Model/Series	Body	Engines
2.0		2.0 Duratec I4 16V
2.3		2.3 Duratec I4 16V
2.5	5dr	2.5 Duratec I5 20V
1.8		1.8 Duratorq TDCI I4 8V
2.0		2.0 Duratorq TDCI I4 16V



	Galaxy	
Model/Series	Body	Engines
2.0		2.0 Duratec I4 16V
2.3		2.3 Duratec I4 16V
2.5	5dr	2.5 Duratec I5 20V
1.8		1.8 Duratorq TDCI I4 8V
2.0		2.0 Duratorq TDCI I4 16V

## 4x4 Vehicles



Freelander		
Model/Series	Body	Engines
2.2	5dr	2.2 TD4 16V
3.2	5dr	3.2 l6 24V



Discovery		
Model/Series	Body	Engines
2.7	5dr	2.7 TDV6 24V

# Light Truck



Transit Connect		
Model/Series	Body	Engines
1.8	Van/Bus	1.8 Duratorq TDCI I4 8V



Transit (TT9)		
Model/Series	Body	Engines
2.3	Van	2.3 Duratec I4 16V
2.2	Chassis Cab	2.2 Duratorq TDCI I4 16V
2.4	Bus	2.4 Duratorq TDCI I4 16V



Transit 2008												
Model/Series	Body	Engines										
3.2	Van	3.2 i5 TDCI 20V										

# Heavy Truck



	Cargo	
Model/Series	Bodystyle	Engines
7.3	Truck	7.3 Ecotorq TDI 24V
9.0	Truck	9.0 Ecotorq TDI 24V

F.	(md)	Ka	Fiesta (B-Car)	Fusion	Focus 3 (C307)	C Max (C214)	S Max (CD340)	NewGalaxy	Mondeo (CD132)	NewMondeo (CD345)	Kuga	Transit Connect (V227)	Transt (V347/348)	Cargo	Volvo	Defender	NewFreelander	Discovery 3	Range Rover Sport	XJ,XK,S Type Jaguar
Plant	Gasoline Engines																60			
Bridgend	1.25 Duratec		•	•																
Port Elizabeth	1.3 Duratec (RoCam)	•								ĺ.										
Bridgend	1.4 Duratec		•	•	•	•														
Bridgend	1.6 Duratec Ti-VCT		•	•	•	•	-			9	-3 %		9		•		-3 %		S 54	
Port Elizabeth	1.6 Duratec (RoCam)	•	W 8		S 50					e	37 B		.9	X - X	- 1		30 B		S 574	
Bridgend/Valencia	1.8 Duratec				•	•		( )	•	Ė	<b>10</b>		į.	\$ \$	•					
Bridgend/Valencia	2.0 Duratec	6	•		•	•	•	•	•	•	925 E		ä	y y	•	6	92 S		8 80	
Valencia	2.3 Duratec (Automatic)		.,		y y-		•	•		•	-9 9						-9 9		v 9.	
Chihuahua	2.3 Duratec (Manual)												•							
Volvo (Skovde)	2.5 Duratec				•		•	•		•										
Bridgend	3.2 Si6										-						•			
ē			-3 3		S 84				1	9	-3 %		7	1			-3 X		S 6-	
Plant	Diesel Engines		23 3		7 8	- 2													7 18	
Dagenham (PSA)	1.4 Duratorq Tiger DV4		•	•				(i : i)		į.	<b>1</b> 3			0.0	•					
Dagenham (PSA)	1.6 Duratorq Tiger DV6		•	•	•		, .	,		Į.	05 5		a .	2 9	•	6	25 E		0.00	
Dagenham	1.8 Duratorq Lynx				•	•	•	•		•	., .	•								
Volvo (Skovde)	2.0 Duratorg DVM0				•	•		•		•	•				•					
PSA	2.2 Duratorg DW12						•	0.0	•				•	0.0			•			
Dagenham	2.4 Duratorq Puma												•			•				
Dagenham	2.7 Lion		-3 3		X 8-					9	-3 %		×	7 7			-33 X	•	•	•
Volvo (Skovde)	3.2 Duratorq i5 Puma		W 1		S 70		8			e	30 B		•	X - 1%	- 1		87 B		30	
Inonu (Otosan)	7.3 Ecotorq Cargo		100		8			8 3		ŝ	<b>10</b> 3			•			( )			
Inonu (Otosan)	9.0 Ecotorq Cargo		200		9 29						00 0			•			05 8			
									$\vdash$											
Plant	Manual Transmissions																			
Halewood/Bordeaux	IB5	•	•	•	•	•				•					•					
Cologne	MTX75				•	•	•	•	•	•		•			•					
Cologne	VXT75		-3 3		S 8-					9	-3 2		•				-3 X		S 5-	
Cologne	MMT6		W 2		•	•	•	•	•	•	•		g .	X	•	0	372 E		3 50	
Cologne	M66				0 0		•	•	•	•	10 3			0.0	•					
Halewood	MT82 (RWD)	6	95 5		a <i>a</i> e		,	9		6	95 F		•	g 9		6	95 B		S 80	
Halewood	MT75 (RWD)		-2 2		y y-		, .			ě	3 2		•				-32 23			
0	2																			
Plant	Automatic Transmissions																			
Batavia (ZF)	CFT23 (CVT)				•	•													100	
Michigan (FMC)	4F27E (4 Speed)		-3 %		•	•					-3 %		× .	1	-		-3 X		S 6-	
Ogawa (Aisin Warner)	AVV81-40 (4 Speed)	1	•	•	3 7%	1	9	1		0	807 E		S.	X X	- 3	1	80 B		.9 5%	
Ogawa (Aisin Warner)	AWF21 (6 Speed)						•	•		•				4 3			7.			



## GENERAL SPECIFICATIONS

## PETROL ENGINE

CAR & MPV

#### 1.25 Duratec

Manufacturer & Assy. Plant Ford Motor Company Valencia, Spain

4 Cylinders in-line DOHC **Engine Type** 

**Number of valves** 16

**Block** Aluminium Head Aluminium

55 kW (75PS) at 6000 rpm Horsepower

**Torque** 110 Nm at 4000 rpm

Displacement 1242 cc

Bore and stroke 71.9mm, 76.5mm

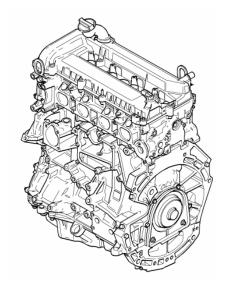
**Compression Ratio** 10:1

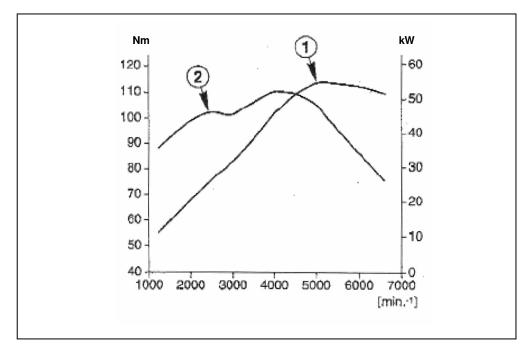
Electronic Multipoint Fuel Injection **Fuel System** 

Electronic Throttle Control

Alignment Transverse Weight 90 Kg

630x600x560mm **Approx Dimensions HxLxW** 





- 1. **Power Curve**
- 2. **Torque Curve**

#### 1.3 Duratec Rocam

Manufacture & Assy. Plant Ford Motor Company

Port Elizabeth South Africa

4 Cylinders in-line SOHC **Engine Type** 

**Number of valves** 

**Block** Cast Iron Head Aluminium

43 kW (58PS) at Horsepower

5500 rpm 50 kW (70PS) at 5500 rpm

**Torque** 100 Nm at 2600 rpm (43kW)

106 Nm at 3000 rpm (50kW)

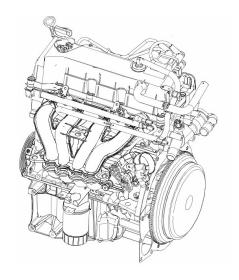
Displacement 1297 cc Bore and Stroke 74.0mm, 75.5mm

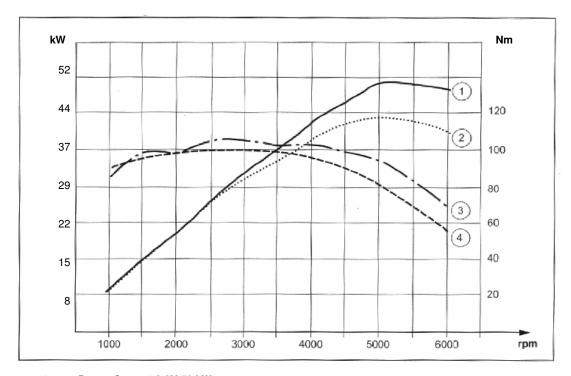
**Compression Ratio** 10.2:1

Electronic Multipoint Fuel Injection **Fuel System** 

Alignment Transverse 90 Kg Weight

640x550x570mm **Approx Dimensions HxLxW** 





- 1. Power Curve 1.3 8V 50 kW
- 2. Power curve 1.3 8V 43 kW
- 3. Torque Curve 1.3 8V 50 kW
- Torque Curve 1.3 8V 43 kW

#### 1.4 Duratec

Manufacturer & Assy. Plant Ford Motor Company Bridgend, Wales

4 Cylinders in-line DOHC **Engine Type** 

**Number of valves** 16

**Block** Aluminium Head Aluminium

Horsepower 59 kW (80PS) at

5700 rpm

Torque 124 Nm at 3500 rpm

Displacement 1388 cc

**Bore and Stroke** 76.0mm, 76.5mm

**Compression Ratio** 11.0:1

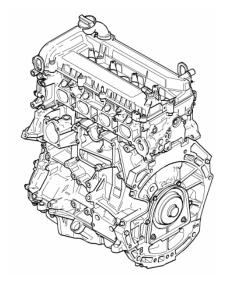
Electronic Multipoint Fuel Injection **Fuel System** 

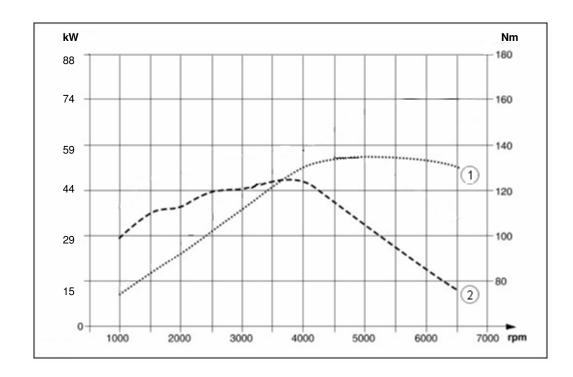
Electronic Throttle Control

**Alignment** Transverse

Weight 90 Kg

630x600x560mm **Approx Dimensions HxLxW** 





- **Power Curve** 1.
- 2. **Torque Curve**

#### 1.6 Duratec Rocam

Manufacturer & Assy. Plant Ford Motor Company

Port Elizabeth, South Africa

4 Cylinders in-line SOHC **Engine Type** 

**Number of valves** 

**Block** Cast Iron Head Aluminium

70 kW (95PS) at 5500 rpm Horsepower

**Torque** 135 Nm at 4250 rpm

Displacement 1597 cc

Bore and Stroke 82.1mm, 75.5mm

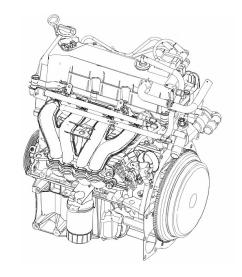
**Compression Ratio** 9.5:1

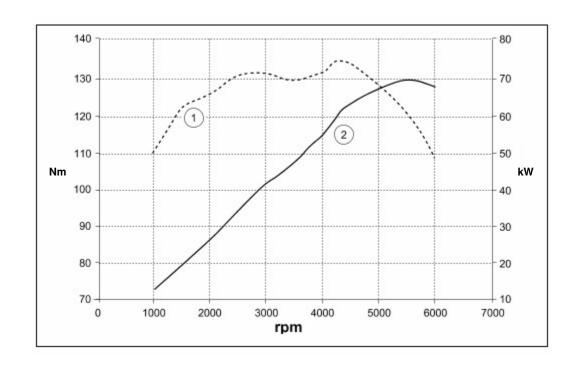
**Fuel System** Electronic Multipoint

Fuel Injection Bi Fuel Variant Available

Alignment Transverse Weight

90 Kg 640x550x570mm **Approx Dimensions HxLxW** 





- **Torque Curve** 1.
- 2. Power Curve

#### 1.6 Duratec

Manufacturer & Assy. Plant Ford Motor Company Bridgend, Wales

4 Cylinders in-line DOHC **Engine Type** 

**Number of valves** 16

**Block** Aluminium Head Aluminium

Horsepower 74 kW (100PS) at

6000 rpm

Torque 140 Nm at 3800 rpm

Displacement 1596 cc

**Bore and Stroke** 79.0mm, 81.4mm

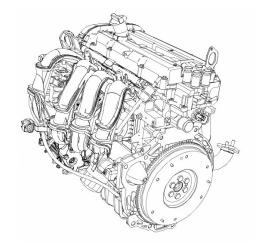
**Compression Ratio** 11.0:1

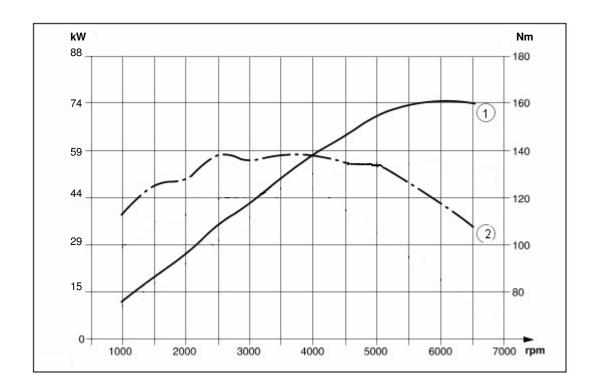
Electronic Multipoint Fuel Injection **Fuel System** 

Electronic Throttle Control

**Alignment** Transverse Weight 90 Kg

630x630x650mm **Approx Dimensions HxLxW** 





- **Power Curve** 1.
- 2. **Torque Curve**

#### 1.6 Duratec Ti-VCT

Manufacturer & Assy. Plant Ford Motor Company Bridgend, Wales

4 Cylinders in-line DOHC (Twin Variable Camshaft Timing) **Engine Type** 

**Number of valves** 

**Block** Aluminium Head Aluminium

84 kW (115PS) at 6000 rpm Horsepower

**Torque** 155 Nm at 4150 rpm

Displacement 1596 cc **Bore and Stroke** 

79.0mm, 81.4mm

**Compression Ratio** 11:1

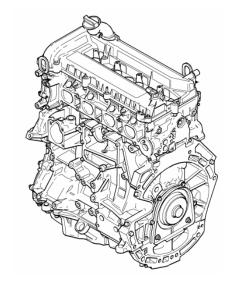
Electronic Multipoint Fuel Injection **Fuel System** 

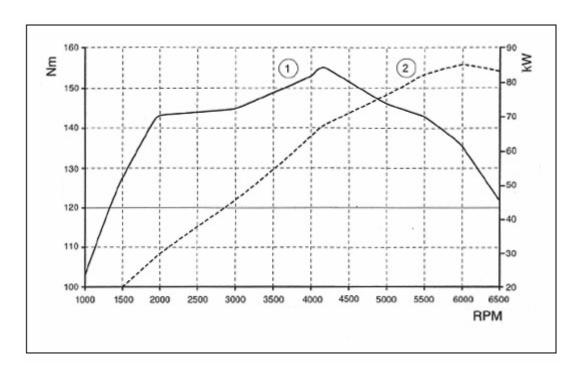
Electronic Throttle

Control

**Alignment** Transverse Weight 90 Kg

**Approx Dimensions HxLxW** 630x630x650mm





- **Torque Curve** 1.
- 2. Power Curve

#### 1.8 Duratec

Manufacturer & Assy. Plant Ford Motor Company

Valencia, Spain

4 Cylinders in-line DOHC **Engine Type** 

**Number of valves** 16

**Block** Aluminium Head Aluminium

92 kW (125PS) at Horsepower

6000 rpm

Torque 165 Nm at 4000 rpm

Displacement 1798 cc

**Bore and Stroke** 83.0mm, 83.1mm

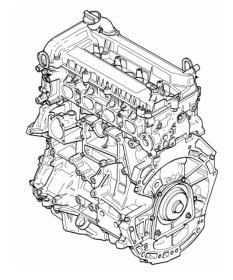
**Compression Ratio** 10.8:1

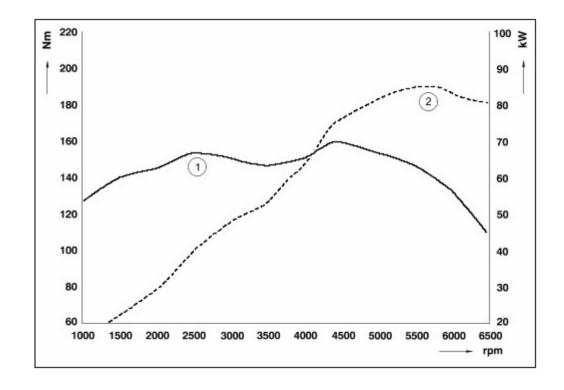
Electronic Multipoint Fuel Injection **Fuel System** 

Electronic Throttle Control

**Alignment** Transverse Weight 109 Kg

**Approx Dimensions HxLxW** 640x630x650mm





- **Torque Curve** 1.
- **Power Curve**

#### 2.0 Duratec

Manufacturer & Assy. Plant Ford Motor Company

Valencia, Spain Cologne, Germany

4 Cylinders in-line DOHC **Engine Type** 

**Number of valves** 16

**Block** Aluminium Head Aluminium

107 kW (145PS) at 6000 rpm Horsepower

**Torque** 185 Nm at 4500 rpm

Displacement 1999 cc

**Bore and Stroke** 87.5mm, 83.1mm

**Compression Ratio** 10.8:1

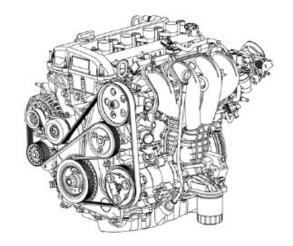
**Air Induction** 

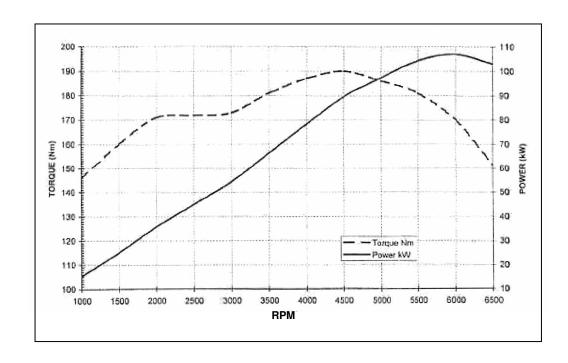
**Fuel System** Electronic Multipoint

Fuel Injection Variable Intake System

Alignment Transverse Weight

109 Kg 640x630x650mm **Approx Dimensions HxLxW** 





#### 2.3 Duratec

Manufacturer & Assy. Plant Ford Motor Company

Chihuahua, Mexico Valencia, Spain

**Engine Type** 

4 Cylinders in-line DOHC Intake Variable Cam Timing Dual-Mass Flywheel

**Number of valves** 16

**Block** Aluminium Head Aluminium

118 kW (161PS) at Horsepower

6500rpm

**Torque** 208 Nm at 4200 rpm

Displacement 2261 cc

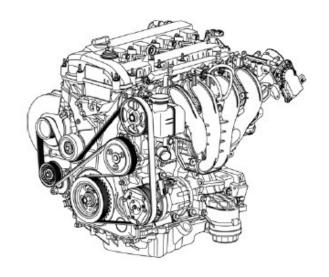
Bore and Stroke 87.4mm, 94.0mm

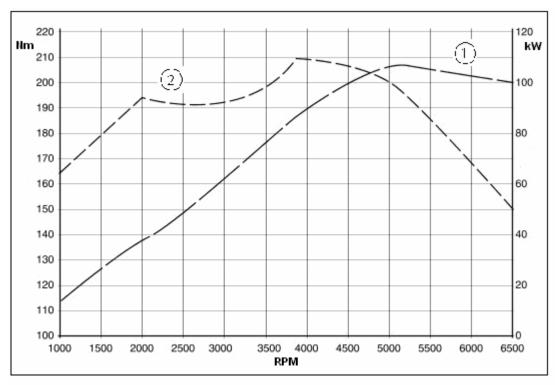
**Compression Ratio** 9.7:1

Electronic Multipoint Fuel Injection **Fuel System** 

Alignment Transverse Weight 111 Kgs

**Approx Dimensions HxLxW** 650x630x650mm





- **Power Curve** 1.
- 2. **Torque Curve**

#### 2.5 Duratec

Manufacturer & Assy. Plant Volvo

Skovde, Sweden

**Engine Type** 

5 Cylinders in-line DOHC Intake Variable Valve Timing

Dual-Mass Flywheel

**Number of valves** 20

**Block** Cast Iron Head Aluminium

166 kW (225PS) at 6000 rpm Horsepower

**Torque** 320 Nm at 1600-4000

Displacement 2522 cc Bore and Stroke

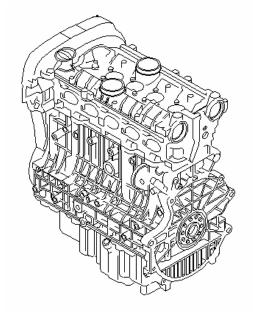
83.0mm, 93.2mm

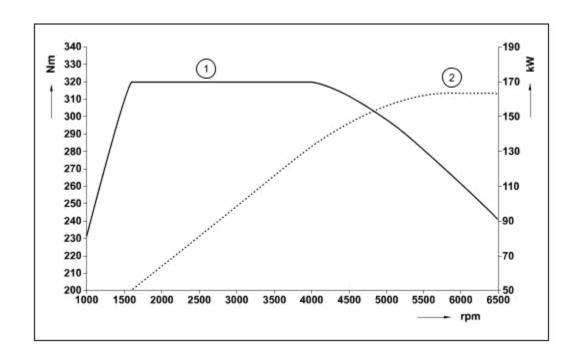
**Compression Ratio** 9.0:1

Electronic Multipoint Fuel Injection **Fuel System** 

Turbocharged

Alignment Transverse Weight 136 Kg **Approx Dimensions HxLxW** TBA





- **Torque Curve** 1.
- 2. **Power Curve**

#### 3.2 Si6 Gasoline

Manufacturer & Assy. Plant Volvo

**Number of valves** 

Bridgend, Wales

6 Cylinders in-line DOHC Intake **Engine Type** 

Variable Valve Timing

**Block** Aluminium Head Aluminium

175 kW (238PS) at 6200 rpm Horsepower

**Torque** 320 Nm at 3200 rpm

Displacement 3192 cc **Bore and Stroke** 

84.0mm, 96.0mm **Compression Ratio** 

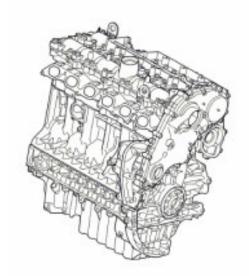
10.8:1

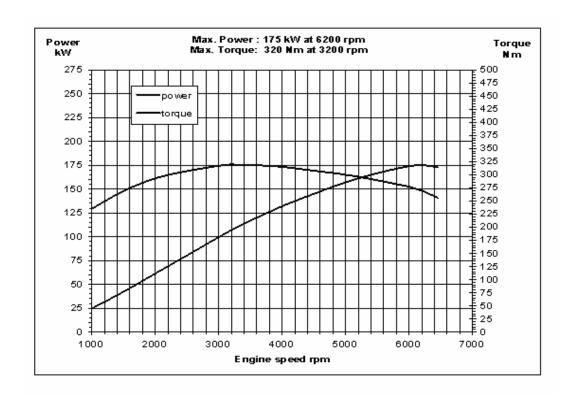
**Fuel System** Multi-Hole Fuel

Injectors

Alignment Transverse Weight 180 Kg

**Approx Dimensions HxLxW** 705x750x728mm







## GENERAL SPECIFICATIONS

### DIESEL ENGINE

### **CAR & LIGHT TRUCK**

#### 1.4 Duratorq Tiger/DV4

Manufacturer & Assy. Plant

Peugeot

Douvrin, France Ford Motor Company Dagenham, England

**Engine Type** 

4 Cylinders in-line SOHC

**Number of valves** 

8

**Block** Head

Aluminium Aluminium

Horsepower

50 kW (68PS) at 4000 rpm

**Torque** 

160 Nm at 2000 rpm

Displacement

1399 cc

Bore and Stroke **Compression Ratio**  82.0mm, 73.7mm

18.0:1

**Fuel System** 

Multi-Hole Fuel

Injectors

Electronic Throttle

Turbocharger

Alignment

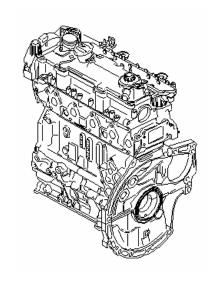
Transverse

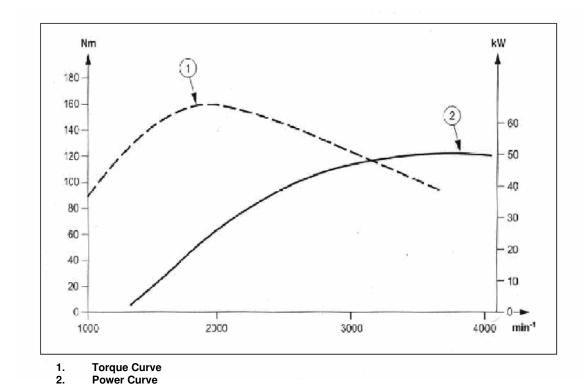
Weight

107 Kg

**Approx Dimensions HxLxW** 

600x480x580mm





#### 1.6 Duratorq Tiger/DV6

Manufacturer & Assy. Plant

Peugeot

Douvrin, France Ford Motor Company Dagenham, England

**Engine Type** 

**Number of valves** 

4 Cylinders in-line DOHC

Dual-Mass Flywheel

16

**Block** Head

Aluminium Aluminium

Horsepower

**Torque** 

81 kW (110PS) at 4000 rpm 240/260\* Nm at 1750

\* With transient Overboost

Displacement Bore and Stroke 1560 cc

75.0mm, 88.3mm **Compression Ratio** 

18:1

**Fuel System** 

Common Rail Electronic Throttle Variable Geometry

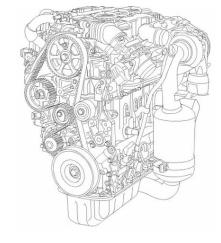
Turbocharger DPF Variant Available

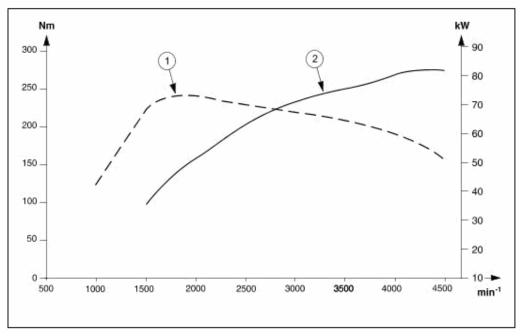
Alignment Weight

Transverse 107 Kg

**Approx Dimensions HxLxW** 

600x500x580mm





- **Torque Curve** 1.
- 2. Power Curve

#### 1.8 Duratorq Lynx

Manufacturer & Assy. Plant Ford Motor Company Dagenham, England

4 Cylinders in-line SOHC **Engine Type** 

Dual-Mass Flywheel

**Block** Cast Iron Head Cast Iron

**Number of valves** 

85 kW (115PS) at 3700 rpm Horsepower

**Torque** 280/300\* Nm at 1900

\* With transient Overboost

Displacement 1753 cc

Bore and Stroke 82.5mm, 82.0mm **Compression Ratio** 

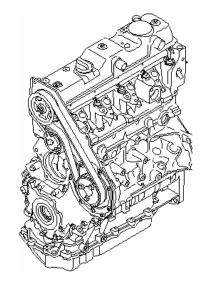
17:1

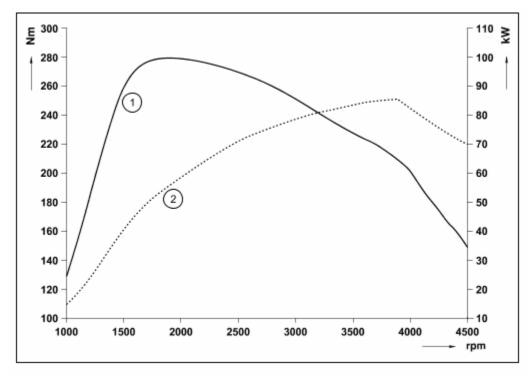
**Fuel System** Common Rail

Electronic Throttle Variable Geometry Turbocharger

Alignment Transverse Weight 156 Kg

**Approx Dimensions HxLxW** 710x640x580mm





- **Torque Curve** 1.
- 2. **Power Curve**

#### 2.0 Duratorq DW10

Manufacturer & Assy. Plant

**Engine Type** 

**Number of valves** 

Skovde, Sweden

4 Cylinders in-line DOHC

Dual-Mass Flywheel

**Block** Cast Iron Head Aluminium

100 kW (136PS) at 4000 rpm Horsepower

**Torque** 320/340\* Nm at 2000

\* With transient Overboost

Displacement 1997 cc

**Bore and Stroke** 85.0mm, 88.0mm

**Compression Ratio** 19:1

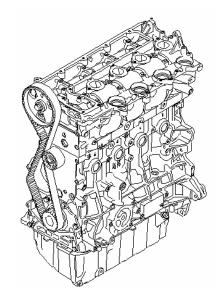
**Fuel System** Common Rail

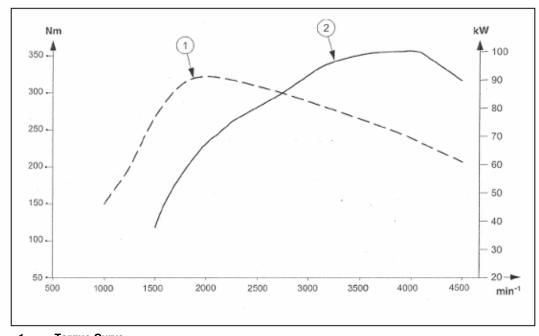
Electronic Throttle Variable Geometry Turbocharger DPF Variant Available

Alignment Transverse

190 Kg Weight

**Approx Dimensions HxLxW** 860x680x630mm





- **Torque Curve** 1.
- 2. **Power Curve**

#### 2.2 Duratorq DW12

Manufacturer & Assy. Plant Peugeot France

Engine Type 4 Cylinders in-line DOHC

Number of valves 16

Block Cast Iron Head Aluminium

Horsepower 118 kW (160PS) at

4000 rpm

**Torque** 400 Nm at 2000 rpm

Displacement 2198 cc

Bore and Stroke 85.0mm, 96.0mm

Compression Ratio 16.5:1

Fuel System Common Rail

Turbocharger

**Alignment** Transverse

Weight TBA

Approx Dimensions HxLxW 679x692x610mm



#### **TBA**

#### 2.2 Duratorq Puma

Manufacturer & Assy. Plant Ford Motor Company Dagenham, England

4 Cylinders in-line DOHC **Engine Type** 

Dual-Mass Flywheel

**Block** Cast Iron Head Aluminium

**Number of valves** 

Horsepower 63 kW (85PS) at 3500 rpm

81 kW (110PS) at 3500 rpm 96 kW (130PS) at 4000 rpm

250\* Nm at 1500-2200 rpm **Torque** 

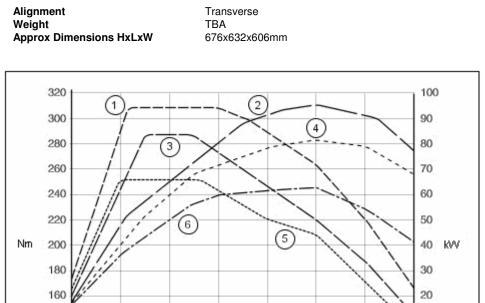
285\* Nm at 1500-2200 rpm 310\* Nm at 1600-2500 rpm \* With transient Overboost

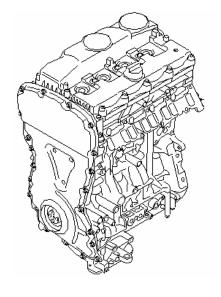
Displacement 2198 cc Bore and Stroke 86.0mm, 94.6mm

**Compression Ratio** 17.5:1

Common Rail **Fuel System** Electronic Throttle

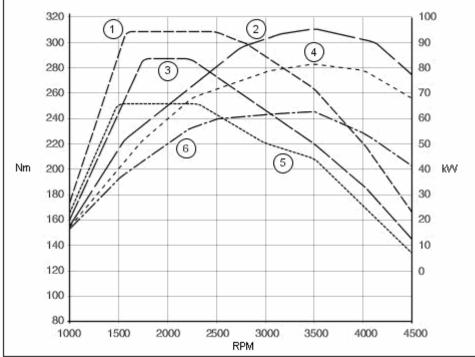
Turbocharger





- Torque Curve 96 kW (130PS) 1. 2.
  - Power Curve 96 kW (130PS)
- 3. Torque Curve 81 kW (110PS) 4.
  - Power Curve 81 kW (110PS) Torque Curve 63 kW (85PS)
  - Power Curve 63 kW (85PS)

5.



#### 2.4 Duratorq Puma

Manufacturer & Assy. Plant Ford Motor Company Dagenham, England

4 Cylinders in-line DOHC **Engine Type** 

Dual-Mass Flywheel **Number of valves** 

**Block** Cast Iron Head Aluminium

74 kW (100PS) at 3500 rpm Horsepower 85 kW (115PS) at 3500 rpm

103 kW (140PS) at 3500 rpm

285\* Nm at 1600-2200 rpm **Torque** 

310\* Nm at 1750-2000 rpm 375\* Nm at 2000-2250 rpm \* With transient Overboost

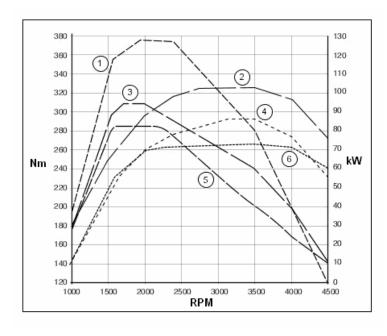
Displacement 2402 cc Bore and Stroke 89.9mm, 94.6mm **Compression Ratio** 17.5:1

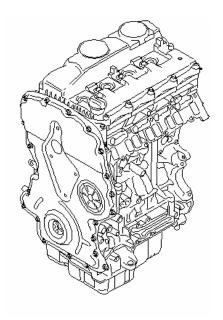
**Fuel System** Common Rail

Electronic Throttle Turbocharger

**Alignment** Longitudinal Weight 195 Kgs

755x690x730mm **Approx Dimensions HxLxW** 





- Torque Curve 103 kW (140PS) 1.
- 2. Power Curve 103 kW (140PS)
- Torque Curve 85 kW (115PS) 3.
- Power Curve 85 kW (115PS) 4.
- 5. Torque Curve 74 kW (100PS)
- Power Curve 74 kW (100PS)

#### 2.7 Lion Land Rover

Manufacturer & Assy. Plant Ford Motor Company Dagenham, England

6 Cylinders V-Longitudinal DOHC **Engine Type** 

24

**Number of valves** 

**Block** Cast Iron Head Aluminium

140 kW (190PS) at Horsepower

4000 rpm

**Torque** 440 Nm at 1900 rpm

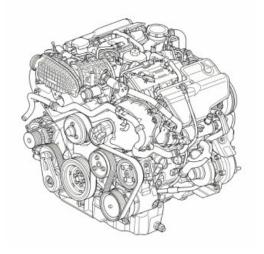
**Displacement** 2720 cc

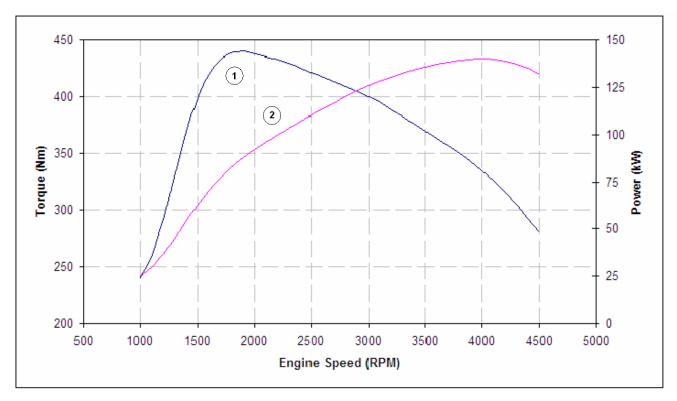
Bore and Stroke 81.0mm, 88.0mm **Compression Ratio** 17.3:1

**Fuel System** Common Rail Turbocharger

Longitudinal Alignment 222 Kg Weight

**Approx Dimensions HxLxW** 788x550x722mm





- **Torque Curve** 1.
- 2. **Power Curve**

#### **DIESEL ENGINES**

#### 2.7 Lion Jaguar

Manufacturer & Assy. Plant Ford Motor Company Dagenham, England

6 Cylinders V-Longitudinal DOHC **Engine Type** 

24

**Number of valves** 

**Block** Cast Iron Head Aluminium

153 kW (205PS) at Horsepower

4000 rpm

**Torque** 435 Nm at 1900 rpm

Displacement 2720 cc

Bore and Stroke 81.0mm, 88.0mm

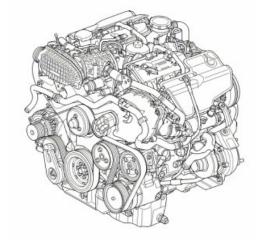
**Compression Ratio** 17.3:1

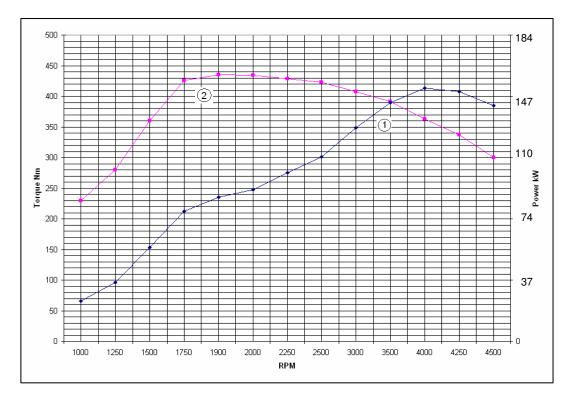
**Fuel System** Common Rail

Bi-Turbocharger

Longitudinal Alignment 235 Kg Weight

**Approx Dimensions HxLxW** 788x550x722mm





- 1. **Power Curve**
- 2. **Torque Curve**

#### 3.2 Duratorq i5 Puma

Manufacturer & Assy. Plant Ford Motor Company Inonu, Turkey

5 Cylinders In-Line DOHC **Engine Type** 

Number of valves 20

**Block** Cast Iron Head Aluminium

147 kW (200PS) at Horsepower

3500 rpm

**Torque** 470 Nm at 1750-2500

rpm

Displacement 3198 cc

Bore and Stroke 89.8mm, 100.8mm **Compression Ratio** 

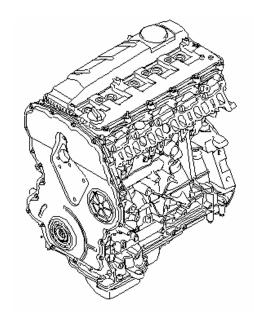
17.5:1

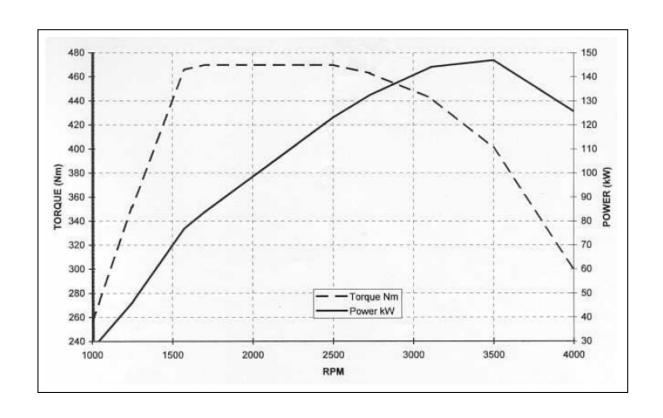
**Fuel induction** Common Rail

Turbocharger Euro IV Emission

Alignment Longitudinal Weight TBA

**Approx Dimensions HxLxW** TBA







## GENERAL SPECIFICATIONS

DIESEL ENGINE

**HEAVY TRUCK** 

#### 7.3 Ecotorq Cargo

Manufacturer & Assy. Plant Ford Motor Company

Inonu, Turkey

Engine Type 6 Cylinders In-Line SOHC

Number of valves 24

Block Cast Iron
Head Cast Iron

Horsepower 177 kW at 2400 rpm

221 kW at 2400 rpm

**Torque** 840 Nm at 1200-1800

rpm

1100 Nm at 1400-

1800 rpm

Displacement 7330 cc

Bore and Stroke 112.0mm, 124.0mm

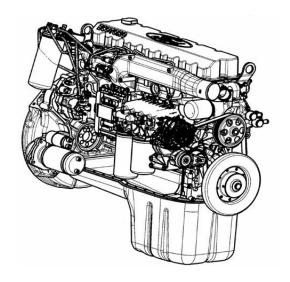
Compression Ratio 17.4:1

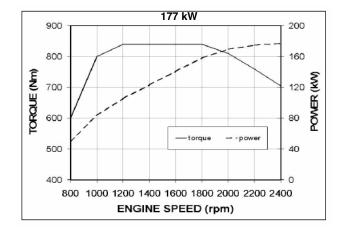
Fuel System Common Rail

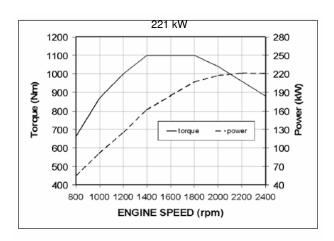
Turbocharger Euro 3 Emission

Alignment Longitudinal Weight 708 Kg

Approx Dimensions HxLxW 1052x1181x76 mm







#### 9.0 Ecotorq Cargo

Manufacturer & Assy. Plant Ford Motor Company

Inonu, Turkey

6 Cylinders In-Line SOHC **Engine Type** 

**Number of valves** 24

**Block** Cast Iron Head Cast Iron

258 kW at 2200 rpm Horsepower

295 kW at 2400 rpm

1400 Nm at 1200-1800 rpm Torque

1600 Nm at 1200-1700 rpm

Displacement 8974 cc

**Bore and Stroke** 115.0mm, 144.0mm **Compression Ratio** 

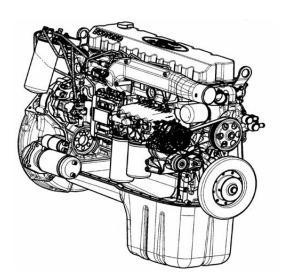
TBA

**Fuel System** Common Rail

Turbocharger Euro 4/5 Emission

Longitudinal Alignment Weight 708 Kg

1052x1181x761mm **Approx Dimensions HxLxW** 



#### **TBA**



# GENERAL SPECIFICATIONS

# MANUAL TRANSMISSION

#### iB5 5 Speed

Manufacturer & Assy. Plant Ford Motor Company

Getrag

Bordeaux, France

**Gearbox Type** 5 Speed Manual

ASM Available

Ratio Various Final Drive/Ratios

With Gearshift Cables 2.3 Its Fill Level

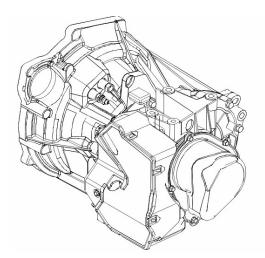
With Gearshift Linkage

2.8 lts

Fluid Specification WSD-M2C200-C Fluid Type SAE 75W90

Alignment Transverse 40 Kg Weight

390x379x490mm **Approx Dimensions HxLxW** 



#### MTX75 5 Speed

Manufacturer & Assy. Plant Ford Motor Company

Getrag

Halewood, Liverpool

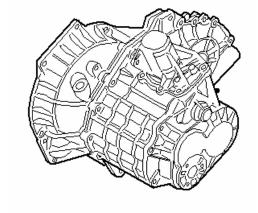
**Gearbox Type** 5 Speed Manual

Ratio Various Final Drive/Ratios

Fill Level 1.9 lts

Fluid Specification WSD-M2C200-C Fluid Type SAE 75W90

Alignment Transverse Weight 50 Kg 380x416x479mm **Approx Dimensions HxLxW** 



#### MT75 5 Speed

Manufacturer & Assy. Plant Ford Motor Company

Kocaeli, Turkey

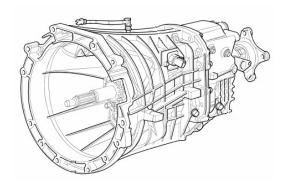
**Gearbox Type** 5 Speed Manual

Ratio Various Final Drive/Ratios

Fill Level 1.2 lts

Fluid Specification WSD-M2C200-C Fluid Type SAE 75W90

Alignment Longitudinal
Weight 36.5 Kg
Approx Dimensions HxLxW TBA



#### VXT75 5 Speed

Manufacturer & Assy. Plant Ford Motor Company Cologne, Germany

**Gearbox Type** 5 Speed Manual

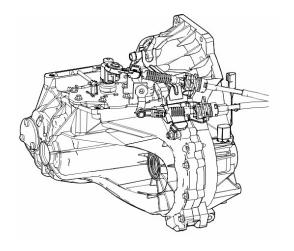
Ratio Various Final Drive/Ratios

Fill Level 2 lts

Fluid Specification WSD-M2C200-C Fluid Type SAE 75W90

Alignment Transverse Weight 47 Kg

Approx Dimensions HxLxW 370x423x500mm



#### MT82 6 Speed

Manufacturer & Assy. Plant Ford Motor Company

Getrag

Halewood, England

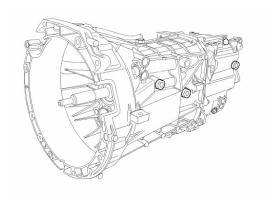
Gearbox Type 6 Speed Manual

Ratio Various Final Drive/Ratios

Fill Level 2.4 lts

Fluid Specification WSD-M2C200-C Fluid Type SAE 75W90

AlignmentLongitudinalWeight49.5 KgApprox Dimensions HxLxW364x633x358mm



#### M66 6 Speed

Manufacturer & Assy. Plant Ford Motor Company

Getrag

Cologne, Germany

**Gearbox Type** 6 Speed Manual

Ratio Various Final Drive/Ratios

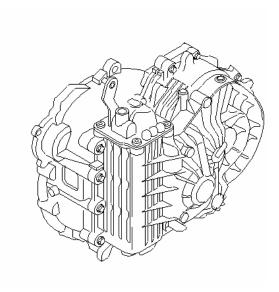
Fill Level 1.75 lts

Fluid Specification WSD-M2C200-C3

Fluid Type BO-VC

Alignment Transverse Weight 55 Kg

Approx Dimensions HxLxW 399x354x561mm



#### MMT 6 Speed

Manufacturer & Assy. Plant Ford Motor Company

Getrag

Cologne, Germany

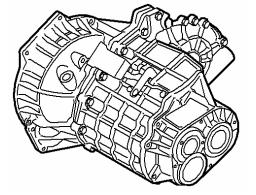
**Gearbox Type** 6 Speed Manual

Ratio Various Final Drive/Ratios

Fill Level 1.75 lts

Fluid Specification WSD-M2C200-C Fluid Type SAE 75W90

AlignmentTransverseWeight52.5 KgApprox Dimensions HxLxW390x380x530mm





# GENERAL SPECIFICATIONS

# AUTOMATIC TRANSMISSION

#### CFT23 CVT

Manufacturer & Assy. Plant ZF Batavia Ohio, America

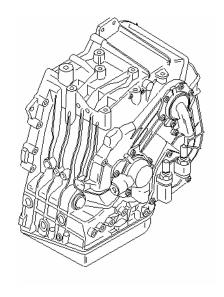
Gearbox Type Continuously Variable

Ratio Various Final Drive/Ratios

Fill Level 8.9 lts (Inc Cooler/Pipes)

Fluid Specification WSS-M2C928-A Fluid Type Ford ATF

Alignment Transverse
Weight 76.5 Kg
Approx Dimensions HxLxW TBA



#### 4F27E 4 Speed

Manufacturer & Assy. Plant Ford Motor Company

Van Dyke

Michigan, America

Gearbox Type 4 Speed Automatic

Ratio Various Final Drive/Ratios

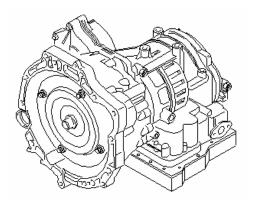
Fill Level 6.7 lts (Inc Cooler/Pipes)

Fluid Specification WSD-M2C202-B

Fluid Type Ford ATF

Alignment Transverse

Weight TBA
Approx Dimensions HxLxW TBA



#### AW81 - 40 4 Speed

Manufacturer & Assy. Plant Aisin Warner

Ogawa, Japan

Gearbox Type 4 Speed Automatic

Ratio Various Final Drive/Ratios

Fill Level 5.75 lts

Fluid Specification WSS-M2C924-A

Fluid Type Ford ATF

Alignment Transverse
Weight TBA
Approx Dimensions HxLxW TBA

nal Drive/Ratios

924-A

#### **AWF21 6 Speed**

Manufacturer & Assy. Plant Aisin Warner Ogawa, Japan

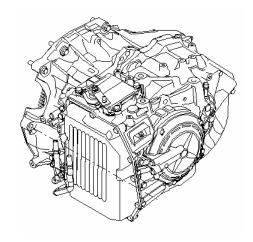
Gearbox Type 6 Speed Automatic

Ratio Various Final Drive/Ratios

Fill Level 7 lts

Fluid Specification WSS-M2C924-A Fluid Type Ford ATF

Alignment Transverse
Weight 95 Kg
Approx Dimensions HxLxW TBA



#### **TRANSMISSION MATRIX**

Vehicle	Engine Size/Type	Manual Trans.	IB5	MTX75	MT75 (RWD)	VXT75	MT82 (RWD)	MT82 GFT (4WD)	M66	MMT6	Auto Trans.	4F27E	AW80-40	AWF21	CFT23	1st Gear	2nd Gear	3rd Gear	4th Gear	5th Gear	6th Gear	Reverse	Final Drive
Ka	1.3 Duratec (Rocam)		•													3.150	1.930	1.280	0.950		N/A	3.620	3.610
SportKa	1.6 Duratec (Rocam)		•								oxdot					3.580	2.040	1.410	1.110	0.088	N/A	3.620	4.060
Fiesta & Fusion	1.25 Duratec		•								┖					3.580	1.930	1.280	0.950	0.760	N/A	3.620	4.250
	1.4 Duratec		•								┖					3.580	1.930	1.280	0.950	0.760	N/A	3.620	4.060
	1.6 Duratec		•								┖					3.150	1.930	1.280	0.950	0.760	N/A	3.620	4.250
	1.6 Duratec		<u> </u>								┡	-	•			2.870	1.568		0.697	N/A	N/A	2.300	4.277
	2.0 Duratec (ST150)	┝	•								⊢	+-			$\vdash$	3.580	2.040	1.410		0.880	N/A	3.620	3.820
	1.4 Duratorq 1.6 Duratorq		•								┢					3.580 3.580	1.930 1.930	1.280 1.280	0.950 0.950	0.760	N/A N/A	3.620 3.620	3.370 3.370
Focus (C307)	1.4 Duratorq	┢	•		-						⊢	+			Н	3,580	2.040	1.410	1.110	0.880	N/A	3.620	4.060
F0008 (C307)	1.4 Durated		•								⊢	+			Н	3.580	2.040	1.410	1.110	0.880	N/A	3.620	4.060
	1.6 Duratec		•								$\vdash$	•			Н	2.816	1.498	1.000	0.726	N/A	N/A	2.649	4.200
	1.6 Duratec Ti-VCT		•								┢	Ť			Н	3.580	2.040	1.410	1.110	0.880	N/A	3.620	4.060
	1.6 Duratec Ti-VCT		Ť								$\vdash$	+			•	CVT	4.330						
	1.8 Duratec								•		$\vdash$	+			Ť	3.385	2.050	1.433	1.088	0.868	0.700	0.773	4.000
	1.8 Duratec								Ė		H	T			•	CVT	5.160						
	2.0 Duratec	Π		•							Г				П	3.417	2.136	1.448	1.028	0.805	N/A	3.727	4.067
	2.5 Duratec								•							3.385	2.050	1.430	1.088	0.868	0.700	3.231	4.000
	1.6 Duratorq	L		•							L					3.667	2.048	1.345	0.921	0.705	N/A	3.727	3.412
	1.8 Duratorq			•												3.800	2.048	1.345	0.921	0.705	N/A	3.727	3.412
	2.0 Duratorq									•						3.077	1.864	1.241	0.842	0.886	0.711	1.360	4.071
C-Max (C214)	1.4 Duratec		•								匚					3.580	2.040	1.410			N/A	3.620	4.060
	1.6 Duratec Ti-VCT		•								L					3.580	2.040	1.410	1.110	0.880	N/A	3.620	4.060
	1.8 Duratec		•													3.417	2.136	1.483	1.114	0.854	N/A	3.727	4.067
	1.8 Duratec										┖				•	CVT	4.330						
	2.0 Duratec			•							╙	_				3.417	2.136	1.448	1.028	0.805	N/A	3.727	4.067
	2.0 Duratec			_							<u> </u>	•				2.816	1.498	1.000	0.726	N/A	N/A	2.649	4.200
	1.6 Duratorq			•							⊢	-				3.667	2.048	1.345	0.921	0.705	N/A	3.727	3.412
	1.6 Duratorq	$\vdash$		_							⊢	+			•	CVT	5.160						
	1.8 Duratorq 2.0 Duratorq			•						•	⊢	+			$\vdash$	3.800	2.048 1.864	1.345 1.241	0.921 0.842	0.705	N/A 0.711	3.727 1.360	3.412 4.071
C May (CD240)	2.0 Duratorq 2.0 Duratec	⊢	$\vdash$	•	$\vdash$	$\vdash$	$\vdash$			•	⊢	+	$\vdash$		Н	3.800	2.136	1.483	1.114	0.886	N/A	3.727	4.071
S-Max (CD340)	2.3 Duratec (Auto)			•							⊢	+	$\vdash$	•	Н	4.148	2.136	1.556	1.114	0.859	0.686	3.394	3.750
	2.5 Duratec (Auto)		_						•		⊢	+		•	Н	3.380	1.900	1.270	0.950	0.780	0.650	0.770	4.000
	1.8 Duratorg			•					Ť		┢	+				3.800	2.048		0.865	0.674	N/A	3.727	35.630
	2.0 Duratorg			Ė							t	$\vdash$				3.583	1.952	1.241	0.868	0.943	0.789	1.423	4.063
Galaxy (CD34X)	2.0 Duratec			•							H				Н	3.800	2.136	1.483	1.114	0.902	N/A	3.727	4.067
Julianj (UDU II)	2.3 Duratec (Auto)	T	T	Ė							T			•		4.148	2.370	1.556	1.155	0.859	0.686	3.394	3.750
	2.5 Duratec								•		H					3.380	1.900	1.270	0.950	0.780	0.650	0.770	4.000
	1.8 Duratorg			•							Г					3.800	2.048	1.258	0.865	0.674	N/A	3.727	35.630
	2.0 Duratorq									•						3.583	1.952	1.241	0.868	0.943	0.789	1.423	4.063
Mondeo (CD345)	1.6 Duratec Ti-VCT		•													3.550	2.050	1.410	1.110	0.880	N/A	3.620	4.070
	2.0 Duratec			•												3.667	2.136	1.483	1.114	0.854	N/A	3.727	4.067
	2.3 Duratec (Auto)													•		4.148	2.370	1.556	1.155	0.859	0.686	3.394	3.750
	2.5 Duratec								•							3.385	1.905	1.267	0.949	0.775	0.652	3.231	4.000
	1.8 Duratorq			•							ᆫ						2.048		0.865	0.674	N/A	3.727	3.630
	2.0 Duratorq									•	╙						1.952						=
Kuga (C394)	2.0 Duratorq									•	╙	╄				TBA							
Transit Connect	1.8 Duratec			•												3.667	2.136				N/A	3.727	4.060
	1.8 Duratorq	┕		•		_	_				ㄴ	₩	_		Ш		2.048				N/A	3.727	4.060
Transit	2.2 Duratorq					•					┡	_			Ш		2.048					3.727	4.230
	2.2 Duratorg (130PS)	⊢	-		L	•	_				⊢	+-	_		$\vdash$		2.048				N/A	4.727	4.540
	2.3 Duratec		-		•						⊢	+					2.840						3.730
	2.4 Duratorq	⊢			•		_				⊢	+			$\vdash$		2.840				0.794	4.935	4.780
	2.4 Duratorg (140PS) 3.2 Duratorg	1	-		$\vdash$		•	-	-	$\vdash$	$\vdash$	-	-	-	$\vdash$		2.840 TBA			1.000 TBA	0.794 TBA	4.935 TBA	3.730 TBA
Corgo	7.3 Ecotorg	$\vdash$			$\vdash$		-			$\vdash$	$\vdash$	$\vdash$	$\vdash$		Н	TBA TBA	TBA		TBA TBA	TBA	TBA	TBA	TBA
Cargo	9.0 Ecotorq	$\vdash$			$\vdash$						$\vdash$	1			$\vdash$	TBA							
Volvo	1.6 Duratec Ti-VCT	$\vdash$	•			$\vdash$	$\vdash$				$\vdash$	$\vdash$	$\vdash$		Н		2.038				N/A	3.615	4.060
, 5170	1.8 Duratec	H	•								H	1			$\vdash$		2.038				N/A	4.615	4.060
	2.0 Duratec	Г	Ť	•	$\vdash$					$\vdash$	т	$\vdash$			$\vdash$		2.136				N/A	3.727	4.070
	1.4 Duratorg	t	•	Ť	t						t				П		2.038				N/A	4.615	
	1.6 Duratorq	Г	•								Г				П		2.038				N/A	4.615	-
	2.0 Duratorq									•	Г				П		1.864					4.185	3.810
		$\overline{}$						•			Г				П		2.839				0.742		3.540
Defender	2.4 Duratorq	L	1			_	_			1	_	_	_	_									-
Defender New Freelander	3.2 Si6 (Volvo)										ı			•		4.148	[2.370]	1.556	1.155	0.859	0.686	3.394	3.750
									•		H			•			1.905				0.686 0.540		-
	3.2 Si6 (Volvo)								•					•		3.750		1.182	0.838	0.652	0.540		4.533
New Freelander	3.2 Si6 (Volvo) 2.2 Duratorq								•							3.750 4.148	1.905	1.182 1.556	0.838 1.155	0.652 0.859	0.540 0.686	3.436	4.533 3.329