

850



**VOLVO**



#### 850 Engines

#### 2.0 litre 10 valve

5 cylinder, transverse  
Fuel injection  
Electronic ignition  
Double overhead camshafts

126 hp. Optimum cost and economy with smooth, refined five cylinder performance.

#### 2.5 litre 10 valve

144 hp. Wide torque range and good fuel economy make this engine ideal for regular towing and load carrying.

#### 2.5 litre Turbo Diesel Injection (TDI)

140 hp. Superbly quiet and refined, the TDI drives like a petrol engine, yet delivers diesel economy.

#### 2.5 litre 20 valve

170 hp. Effortless cruising power with a lively, invigorating sporting character.

#### 2.5 litre 20 valve Light Pressure Turbo (AWD only)

193 hp. Turbo performance with ample torque at low engine revs.

#### 2.3 litre Turbo (T5)

225 hp. Definitely an engine for the driving enthusiast. 0-62 mph in 7.4 seconds.

#### 2.3 litre 850R

250 hp. The most powerful production car engine Volvo has ever produced. 0-62 mph in 6.7 seconds (Manual). Breathtaking.

# 850 AWD

With All Wheel Drive, the 850's flexibility reaches new heights.

When you're regularly faced with driving in ice, snow and rain, a car with exceptional grip becomes an absolute necessity.

The Volvo 850 All Wheel Drive estate provides the security, control and balanced power to deal comfortably with the most challenging and treacherous road conditions.

The 850 AWD uses advanced viscous coupling technology to permanently drive all four wheels. Volvo's traction control system, TRACS, mediates power to the front wheels, ensuring grip when pulling away. A limited slip differential acts on the rear wheels.

The viscous coupling allows up to 95% of power to be transferred between front and rear wheels to provide maximum grip. The 850 AWD literally reads the road's condition and responds to it.

A new 2.5 litre 20 valve petrol engine, with a manual gearbox, uses a light pressure turbo to develop 193 hp. Since maximum torque is produced at just 1800 rpm, the AWD offers effortless performance.



**The power and grip to keep you safely on the move - whatever the weather.**

**Multi-Link rear suspension from the 960 contributes to 850 AWD's consistent roadholding.**



# 850R

Sometimes, only the ultimate will suffice. The 850R is indeed a car for the discerning.

The 850R is the most powerful Volvo 850 ever produced.

Either as a saloon or an estate, performance is breathtaking. A 2.3 litre 250 hp turbocharged petrol engine takes the car from 0-62 mph in just 6.7\* seconds. A viscous coupling<sup>1</sup> in the differential makes sure the increased power is transmitted most efficiently to the front wheels.

Roadholding is spectacular. A lowered sports chassis with special anti-roll bars and shock absorbers takes the 850R around corners as if on rails. Automatic levelling on the estate keeps the car balanced when carrying loads. Naturally, full 850 safety equipment including side impact airbags is standard.

Interior styling is exclusive, luxury equipment resplendent. A glowing Scandinavian birch or walnut dashboard contrasts with dual tone alcantara/leather upholstery and trim. Individually adjustable power front seats glide into the ideal driving position. Electronic Climate Control maintains a constant cabin temperature. An eight speaker, RDS radio complete with CD multichanger waits ready to perform.

Exhilarating. Exclusive. Utterly compelling.

The 850R simply overtakes the senses.



**Superb quality audio entertainment.**

**A 4 x 50 watt amplifier in the 850R drives an 8 speaker system from the CD player and RDS radio cassette.**

**The 2.3 litre 850R engine delivers astonishing performance and acceleration: 0-62 mph in just 6.7\* seconds.**



\*Manual version; Automatic version 240 hp, 0-62 mph in 7.5 sec

<sup>1</sup> Manual version only

# 850 Choices

Selecting your new 850 saloon or estate is exciting. Like all new Volvos, we build your car for you, to your chosen specification.

As you will see on this page, every car includes an outstanding level of equipment as standard. Your safety, comfort, security and enjoyment are our absolute priority.

You will also find details of the alternative model variants, from the stylish 850 S to the spectacular 850 AWD and R. Each variant offers a distinctively individual character, extending the standard 850 equipment specification with carefully matched options. An optional Estate pack further enhances the 850 estate's load carrying capabilities.

Options can also be selected individually whatever specification you choose.

And with all the body colour, trim, engine and transmission possibilities, you have a unique opportunity to create the car for you. Your dealer will be delighted to provide expert guidance and help.

## 850 Standard Equipment

### Safety

SIPS (Side Impact Protection System)  
SIPS Airbags  
Driver's Airbag  
Front Seat Belt Pre-tensioners  
Height Adjustable Front Seat Belts  
5 Three-point Seat Belts  
Head Restraints for all five seats  
ABS (Anti-lock Brakes)  
Headlamp Wash/Wipe  
Tachometer  
Tinted Windows

### Exterior

Colour Coordinated Bumpers and Door Mirrors  
Vented Wheel Covers

### Comfort

Heated Front Seats  
Electrically Adjustable and Heated Door Mirrors  
Heater Unit with Driver and Passenger Temperature Controls  
Power Steering  
Delta-link Independent Rear Suspension  
Ginza Plush Upholstery  
Asymmetric Split-folding Rear Seat  
Electric Front Windows  
SC700 Radio/Cassette + 6 Speakers

### Security

Deadlocking System  
Remote Control with Central Locking  
Anti-theft Alarm  
Immobiliser  
Load Cover (Estate)  
Lockable Fuel Filler Flap

## 850S

*850 plus:*

Integrated Child Seat  
Electric Glass Sunroof  
Pursus 16" Alloy Wheels - 205/50ZR Tyres  
Rear Spoiler  
Leather Steering Wheel

## 850 SE

*850 plus:*

Madison Plush Velour Upholstery  
Integrated Child Seat  
Air Conditioning  
Leather Steering Wheel  
Electric Rear Windows  
Illuminated Passenger Vanity Mirror  
Trip Computer

### **850 GLT**

*850 plus:*

Dakar Plush/Leather Upholstery  
Integrated Child Seat  
Air Conditioning  
Electric Glass Sunroof  
Columba 16" Alloy Wheels - 205/50ZR Tyres  
Rear Spoiler  
Leather Steering Wheel  
TRACS (Traction Control)  
Front Fog Lights  
SC801 RDS Radio/Cassette + 8 Speakers  
Trip Computer

### **850 CD**

*850 plus:*

Leather-faced Upholstery  
Integrated Child Seat  
Electronic Climate Control  
Cetus 15" Alloy Wheels - 205/55VR Tyres  
Leather Steering Wheel  
Electric Driver's Seat  
Woodline Dashboard  
Driver and Passenger Illuminated Vanity Mirror  
Electric Rear Windows  
SC805 CD/Radio/Cassette + 8 Speakers  
Trip Computer  
Cruise Control  
High Armrest & Cupholder

### **850 AWD (Estate)**

*850 Estate plus:*

Dakar Plush/Leather Upholstery  
Integrated Child Seat  
Air Conditioning  
Pursus 16" Alloy Wheels - 205/50ZR Tyres  
Leather Steering Wheel  
Illuminated Passenger Vanity Mirror  
TRACS (Traction Control)  
Front Fog Lights  
Trip Computer  
High Armrest & Cupholder  
Self Levelling Suspension  
Roof Rails  
Floor Carpets  
Luggage Net  
Stainless Steel Sill Covers

### **850R**

Alcantara/Leather Upholstery  
Integrated Child Seat  
Electronic Climate Control  
Electric Glass Sunroof  
17" Volans Alloy Wheels - 205/45ZR Tyres  
Alloy Spare Wheel  
Rear Spoiler  
Leather Steering Wheel and Leather Gear Selector  
Dark Walnut or Light Birch Dashboard and Tunnel Console  
TRACS (Traction Control)  
Front Fog Lights  
SC801 Radio/Cassette + 8 Speakers with CD Multichanger  
4x50w Amplifier  
Electric Driver and Passenger Front Seats  
Trip Computer  
Cruise Control  
Lowered Chassis  
Load Compensating Suspension (Estate)  
Luggage Net (Estate)  
Electric Rear Windows  
High Armrest & Cupholder  
Stainless Steel Sill Covers  
Floor Carpets  
Illuminated Driver & Passenger Vanity Mirror  
Luggage Net

### **Estate Pack**

Load Compensating Suspension  
Roof Rails  
Luggage Net

## **850 Optional Equipment**

### **Safety & Security**

Passenger Airbag  
Integrated Child Seat  
Front Foglights  
External Temperature Gauge  
Luggage Net (Estate)  
Load Compensating Suspension  
TRACS (Traction Control)  
Lockable Luggage Hatches (Estate)  
Alarm Upgrade

### **Comfort**

Automatic Transmission  
Air Conditioning  
Electronic Climate Control  
Electric Driver's Seat  
Electric Front Seats  
Cruise Control  
Electric Glass Sunroof  
Electric Rear Windows

### **Interior**

Madison Plush Velour Upholstery  
Dakar Plush/Leather Upholstery  
Leather-faced Upholstery  
Leather Steering Wheel  
Wood Rim Steering Wheel  
CD Multichanger System  
SC801 Radio/Cassette upgrade  
+ 8 speakers  
SC805 CD/Radio/Cassette upgrade  
+ 8 speakers  
4 x 50w Amplifier (SC801 + SC805 only)

Woodline Tunnel Console  
Wooden Gear Selector (Auto)  
Woodline Dashboard (excludes Tunnel)  
High Armrest & Cupholder  
Heated Rear Seats  
Trip Computer  
Passenger Vanity Mirror (illuminated)  
Two Vanity Mirrors (illuminated)  
Rear Sun Curtain (Saloon)  
Floor Carpets  
Stainless Steel Sill Covers

### **Exterior**

Cetus/Chiron 15" Alloy Wheels  
- 195/60VR Tyres  
Cetus/Chiron 15" Alloy Wheels  
- 205/55VR Tyres  
Columba/Pursus/Uranus 16" Alloy Wheels  
- 205/50ZR Tyres  
Alloy Spare Wheel  
Lowered Chassis (Estate)\*  
Lowered Chassis (Saloon)  
Metallic Paint  
Black Paint  
Rear Spoiler  
Roof Rails

*\* Includes load compensating suspension.*

# Technical Specification

ENGINE	2.0 10v		2.5 10v		2.5 20v	
	Configuration	Transverse - 10 valve		Transverse - 10 valve		Transverse - 20 valve
Cylinders	5		5		5	
Bore x stroke, mm	81 x 77		83 x 90		83 x 90	
Engine capacity, cc	1984		2435		2435	
Max. output ECE, kw/hp/rpm	93/126/6250		106/144/5400		125/170/6200	
Max. torque ECE, Nm/rpm	170/4800		206/3600		220/3300	
Max. torque ECE, lb ft/rpm	125/4800		152/3600		162/3300	
Power to weight ratio with full load, hp/tonne	<b>Saloon</b> 67.0	<b>Estate</b> 64.9	<b>Saloon</b> 76.6	<b>Estate</b> 74.2	<b>Saloon</b> 90.4	<b>Estate</b> 87.6
Octane rating	95 RON unleaded (min. 91)		95 RON unleaded (min. 91)		95 RON unleaded (min. 91)	
Fuel system	Combined fuel/ignition system (Siemens). Microprocessor-controlled with diagnostic unit		Combined fuel/ignition system (Siemens). Microprocessor-controlled with diagnostic unit		Microprocessor-controlled adaptive system and diagnostic unit (LH Jetronic)	
Exhaust system	Catalytic converter with Lambda sond		Catalytic converter with Lambda sond		Catalytic converter with Lambda sond	
Compression ratio	10.0:1		10.0:1		10.5:1	
Alternator output, amp/hr (auto or fitted with A/C)	80(100)		80(100)		80(100)	

TRANSMISSION	Manual 5 speed		Automatic 4 speed inc. mode selector		Manual 5 speed		Automatic 4 speed inc. mode selector	
	Mph/1000rpm	22.4	22.6	25.0	26.0	25.0	26.0	25.0
Mph at 2500 R/min, piston speed	111.0	111.6	105.6	110.1	105.6	110.1	105.6	110.1
Final drive ratio	4.45:1	3.16:1	4.00:1	2.74:1	4.00:1	2.74:1	4.00:1	2.74:1
Indirect ratios:								
1st gear	3.07:1	3.61:1	3.07:1	3.61:1	3.07:1	3.61:1	3.07:1	3.61:1
2nd gear	1.77:1	2.06:1	1.77:1	2.06:1	1.77:1	2.06:1	1.77:1	2.06:1
3rd gear	1.19:1	1.37:1	1.19:1	1.37:1	1.19:1	1.37:1	1.19:1	1.37:1
4th gear	0.87:1	0.98:1	0.87:1	0.98:1	0.87:1	0.98:1	0.87:1	0.98:1
5th gear	0.70:1	-	0.70:1	-	0.70:1	-	0.70:1	-
Reverse	2.99:1	3.95:1	2.99:1	3.95:1	2.99:1	3.95:1	2.99:1	3.95:1



**ENGINE**

	<b>TDI</b>		<b>T5</b>		<b>850 AWD</b>	<b>850R</b>	
Configuration	Transverse - 10 valve		Transverse - 20 valve		Transverse - 20 valve	Transverse - 20 valve	
Cylinders	5		5		5	5	
Bore x stroke, mm	81 x 95.5		81 x 90		83 x 90	81 x 90	
Engine capacity, cc	2461		2319		2435	2319	
Max. output ECE, kw/hp/rpm	103/140/4000		166/225/5200		142/193/5100	<b>M-</b> 186/250/5400 <b>A</b> - 179/240/5600	
Max. torque ECE, Nm/rpm	290/1900-3100		300/2000-5200		270/1800-5100	<b>M</b> - 350/2400-5000 258/2400-5000	
Max. torque ECE, lb ft/rpm	218/1900-3100		221/2000-5200		199/1800-5000	<b>A</b> - 300/2000-5600 221/2000-5600	
Power to weight ratio with full load, hp/tonne	<b>Saloon</b> 74.5	<b>Estate</b> 72.2	<b>Saloon</b> 119.7	<b>Estate</b> 116.0	<b>Estate</b> 91.0	<b>Saloon</b> 133.0	<b>Estate</b> 129.0
Octane rating	Diesel 45 CN		95 RON unleaded (min. 91)		95 RON unleaded (min. 91)	95 RON unleaded (min. 91)	
Fuel system	Direct Injection Exhaust Gas Recirculation		Combined fuel/ignition system (Motronic 4.3). Microprocessor with diagnostic unit		Combined fuel/ignition system (Motronic 4.4). Microprocessor with diagnostic unit	Combined fuel/ignition system (Motronic 4.3). Microprocessor with diagnostic unit	
Exhaust system	Catalytic converter with Lambda sond		Catalytic converter with Lambda sond		Catalytic converter with Lambda sond	Catalytic converter with Lambda sond	
Compression ratio	20:1		8.5:1		9.0:1	8.5:1	
Alternator output, amp/hr (auto or fitted with A/C)	100		80(100)		100	100	

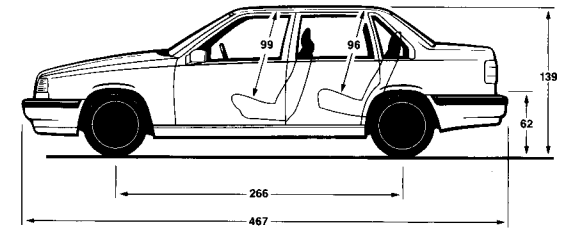
**TRANSMISSION**

	<b>Manual</b> 5 speed	<b>Automatic</b> 4 speed inc. mode selector	<b>Manual</b> 5 speed	<b>Automatic</b> 4 speed inc. mode selector	<b>Manual</b> 5 speed	<b>Manual</b> 5 speed	<b>Automatic</b> 4 speed inc. overdrive mode selector
Mph/1000rpm	30.1	28.1	25.0	28.1	25.0	25.0	28.1
Mph at 2500 ft/min, piston speed	120.11	112.0	105.6	118.8	105.6	105.6	118.8
Final drive ratio	3.57:1	2.54:1	4.0:1	2.54:1	4.0:1	4.00:1	2.54:1
Indirect ratios:							
1st gear	3.39	3.61:1	3.07:1	3.61:1	3.07:1	3.07:1	3.61:1
2nd gear	1.91	2.06:1	1.77:1	2.06:1	1.77:1	1.77:1	2.06:1
3rd gear	1.19	1.37:1	1.19:1	1.37:1	1.19:1	1.19:1	1.37:1
4th gear	0.87	0.98:1	0.87:1	0.98:1	0.87:1	0.87:1	0.98:1
5th gear	0.65	-	0.70:1	-	0.70:1	0.70:1	-
Reverse	3.30	3.95:1	2.99:1	3.95:1	2.99:1	2.99:1	3.95:1

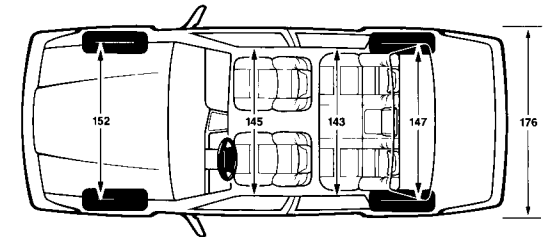
ENGINE	2.0 10v		2.5 10v		2.5 20v		TDI		T5		850 AWD		850R								
<b>POWER STEERING SYSTEM</b> (rack & pinion)																					
Turning circle, ft (m)																					
195 section tyres	33'6" (10.2)		33'6" (10.2)		33'6" (10.2)		33'6" (10.2)		-		-		-								
205 section tyres	34'10" (10.6)		34'10" (10.6)		34'10" (10.6)		34'10" (10.6)		34'10" (10.6)		37" (11.3)		34'10" (10.6)								
Turns lock to lock	3.2		3.2		3.2		3.2		3.2		3.1		3.2								
<b>BRAKES</b>																					
Full load 62-0 mph, ft (m)	142 (43.3)		142 (43.3)		142 (43.3)		142 (43.3)		142 (43.3)		142 (43.3)		142 (43.3)								
Full load 62-0 mph, sec	3.3		3.3		3.3		3.3		3.3		3.3		3.3								
Disc diameter mm, front	280 ventilated		280 ventilated		280 ventilated		280 ventilated		280 ventilated		280 ventilated		280 ventilated								
rear	295		295		295		295		295		295		295								
<b>PERFORMANCE</b>																					
	<b>Saloon</b>		<b>Estate</b>		<b>Saloon</b>		<b>Estate</b>		<b>Saloon</b>		<b>Estate</b>		<b>Estate</b>		<b>Saloon</b>		<b>Estate</b>				
	M	A	M	A	M	A	M	A	M	A	M	A	M	A	M	A	M	A			
Top speed, mph	121	118	121	118	127	121	127	121	131	124	125	-	125	-	149	143	149	143	137		
Acceleration 0-62 mph, sec	11.7	12.1	11.9	12.5	10.2	10.6	10.4	10.8	8.9	10.0	9.2	10.2	9.9	-	10.1	-	7.4	7.7	7.5	7.8	8.5
Drag co-efficient	0.32		0.32		0.32		0.32		0.32	0.32	0.32		0.32		0.32		0.32		0.32		0.32
Drag co-efficient with spoiler	0.31		0.31		0.31		0.31		0.31		0.31		0.31		0.31		0.31		0.31		0.31
<b>FUEL TANK</b>																					
Volume, litres (gallons)	73(16)		73(16)		73(16)		73(16)		73(16)		73(16)		73(16)								
<b>FUEL CONSUMPTION</b> (Government Approved)																					
Mpg (1/100km)	M	A	M	A	M	A	M	A	M	A	M	A	M	A	M	A	M	A			
Urban	23.7 (11.9)	21.6 (13.1)	22.8 (12.4)	21.6 (13.1)	21.9 (12.9)	21.4 (13.2)	39.2 (7.2)	-	21.9 (12.9)	19.9 (14.2)	-	-	21.9 (12.9)	19.9 (14.2)	-	-	21.9 (12.9)	19.9 (14.2)			
56 mph	43.5 (6.5)	42.2 (6.7)	42.8 (6.6)	43.5 (6.5)	44.1 (6.4)	44.1 (6.4)	64.2 (4.4)	-	40.9 (6.9)	42.8 (6.6)	-	-	40.9 (6.9)	42.8 (6.6)	-	-	40.9 (6.9)	42.8 (6.6)			
75 mph	34.4 (8.2)	33.6 (8.4)	34.0 (8.3)	34.4 (8.2)	34.4 (8.2)	35.3 (8.0)	44.1 (6.4)	-	33.2 (8.5)	33.6 (8.4)	-	-	33.2 (8.5)	33.6 (8.4)	-	-	33.2 (8.5)	33.6 (8.4)			
<b>Euro Mix*</b>																					
EUC	21.1 (13.4)	20.9 (13.5)	-	-	18.8 (15.0)	18.0 (15.7)	31.4 (9.0)	25.4 (11.1)	-	-	-	-	18.5 (15.3)	-	-	-	-	-			
EUDC	34.9 (8.1)	34.4 (8.2)	-	-	36.2 (7.8)	35.8 (7.9)	54.3 (5.2)	47.1 (6.0)	-	-	-	-	32.1 (8.8)	-	-	-	-	-			
TOTAL	28.2 (10.0)	28.0 (10.1)	-	-	26.9 (10.5)	26.2 (10.8)	42.8 (6.6)	35.8 (7.9)	-	-	-	-	25.2 (11.2)	-	-	-	-	-			

The EUC fuel consumption figure is based on typical city driving, including starting the car from cold.  
The EUDC figure is based on typical motorway driving and cruising.  
The TOTAL figure averages the consumption across both cycles.

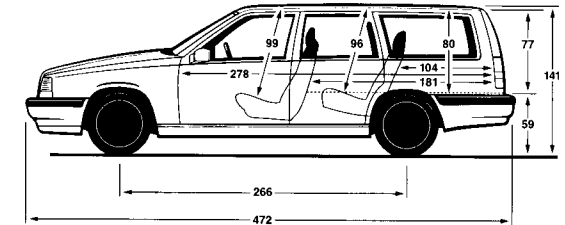
ENGINE	2.0 10v	2.5 10v	2.5 20v	TDI	T5	850 AWD	850R
<b>INSURANCE GROUPS</b>							
850	11	13	13	12	15	-	
S	12	13	13	12	15	-	
GLT	12	13	13	13	15	-	
SE	12	13	13	12	15		
CD	12	13	13	13	15		
AWD			-	-		TBA	-
R	-		-	-			18



		SALOON	ESTATE	AWD
<b>WEIGHTS</b>	Kerb weight, kg min/max	1363/1511	1412/1567	1575
	Max. permissible towing weight braked, kg (lbs)	1600 (3527)	1600 (3527)	1600 (3527)
	Max. towing weight unbraked* approx., kg (lbs)	700 (1543)	700 (1543)	700 (1543)
	Max. total weight, kg	1880	1940	2120
	Max. roof load, kg	100	100	100
	Max. payload, average kg	443	450	545
	Optimum/max. nose weight, kg (lbs)	50/75 (110/165)	50/75 (110/165)	50/75 (110/165)



<b>LUGGAGE COMPARTMENT</b>			
Volume, litres (cu. ft)		416 (14.7)	792(28)
Volume, rear seats down, litres (cu. ft)		941 (33.2)	1580 (56)



**WHEELS AND TYRES**

**Wheel**

- Vented Wheelcover
- Cetus/Chiron - alloy (four)
- Cetus/Chiron - alloy (four)
- Pursus/Columba/Uranus - alloy (five)
- Volans - alloy (five)

**Wheel size**

- Steel - rim 6.OJ x 15"
- 6/3 spoke - rim 6.OJ x 15"
- 6/3 spoke - rim 6.5J x 15"
- 5 spoke - rim 6.5J x 16"
- 7 spoke - rim 7.5J x 17"

**Tyre size**

- 195/60VR15
- 195/60VR15
- 205/55VR15
- 205/50ZR16
- 205/45ZR1 7

**Notes**

All weights for any specific vehicle will vary according to standard and optional equipment fitted. A weighbridge must be used to determine specific weights.  
 Data valid for manual transmission unless specified.  
 Dimensions in centimetres.  
 Interior dimensions do not include sunroof.  
 Unbraked towing weight must not exceed 50% of kerb weight up to a maximum of 750 kg.  
 M = Manual transmission. A = Automatic transmission.

