

# Volvo S40

Cont'd Volvo S40 →

## ENGINES

|                                |
|--------------------------------|
| Type                           |
| Configuration                  |
| Displacement, cm <sup>3</sup>  |
| Engine cylinder block material |
| Cylinderhead material          |
| Combustion chamber type        |
| Compression ratio              |
| Valves, no/cylinder            |
| Camshafts                      |
| Engine management system       |
| Ignition sequence              |
| Engine idling speed, rpm       |
| Fuel, rec. octane              |
| Max output, kW (hp)/rpm.       |
| Max torque, Nm/rpm.            |

## POWER AND TORQUE →

### TRANSMISSIONS

5- or 6-speed manual gearbox.  
5-speed adaptive automatic transmissions with Geartronic, electronically controlled, with lock-up and winter mode selection.

| Ratio   | MMT6 | M66W | M56L | M56H | AW55-51 |
|---------|------|------|------|------|---------|
| First   | 3.07 | 3.39 | 3.39 | 3.07 | 4.66    |
| Second  | 1.86 | 1.91 | 1.90 | 1.77 | 3.03    |
| Third   | 1.24 | 1.27 | 1.19 | 1.19 | 1.98    |
| Fourth  | 0.84 | 0.95 | 0.87 | 0.87 | 1.34    |
| Fifth   | 0.88 | 0.78 | 0.70 | 0.70 | 1.02    |
| Sixth   | 0.71 | 0.65 | -    | -    | -       |
| Reverse | 4.19 | 3.20 | 3.30 | 2.99 | 5.11    |

|                               |
|-------------------------------|
| Manual gearbox/final drive    |
| Automatic gearbox/final drive |

## PERFORMANCE

|                                      |
|--------------------------------------|
| Gearbox                              |
| Acceleration, 0-100 km/h (sec)       |
| Top speed, km/h                      |
| Fuel consumption l/100 km (Combined) |
| CO <sub>2</sub> g/km                 |

## CHASSIS

|                              |       |   |
|------------------------------|-------|---|
| Suspension                   | front | Spring-strut, lower link, anti-roll bar               |
|                              | rear  | Individual, multilink, coil springs, anti-roll bar    |
| Steering                     |       | Rack and pinion, power assisted                       |
| Turning circle, curb to curb |       | 10.6 m  |
| Braking system               |       | ABS system with EBD. Ventilated discs front and rear. |
| Braking distance 100-0 km/h  |       | 38 m  |
| Brake disc diameter          |       |   |
| Front/Rear                   |       | 300/278 mm  |

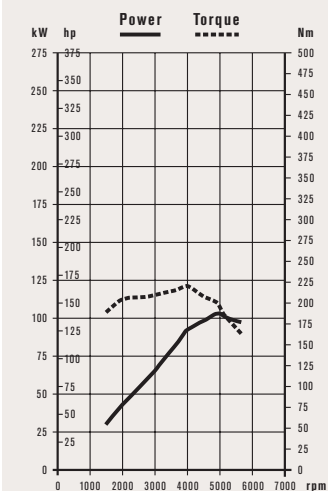
## MEASUREMENTS AND VOLUMES

|                                    |           |
|------------------------------------|-----------|
| Exterior measurements (cm)         |           |
| Length                             | 446.8     |
| Width                              | 177.0     |
| Height, curb                       | 145.2     |
| Wheelbase                          | 264.0     |
| Track, front                       | 153.5     |
| Track, rear                        | 153.1     |
| Ground clearance, curb             | 13.5      |
| Weights/Miscellaneous              |           |
| Weight, curb, kg (B5244S4/B5254T3) | 1399/1419 |
| Fuel tank, l (Petrol/Diesel)       | 62/55     |
| Max. trailer weight, kg            | 1500      |
| Max load, kg                       | 450       |
| Max roof load, kg                  | 75        |
| Drag coefficient, Cd               | 0.31      |

|  |             |
|--|-------------|
| Interior measurements (cm)   |             |
| Headroom with sunroof (front/rear)                                 | 96.8/94.5   |
| Headroom without sunroof (front/rear)                              | 98.8/94.5   |
| Passenger compartment width at shoulder height (front/rear)        | 140.2/137.4 |
| Leg room (front/rear)  | 105.7/87.4  |
| Cargo volume, litres (ISO V210)                                    | 404         |
| Cargo length (L211)  | 97.6        |
| Cargo length with rear seat(s) folded down                         | 174.5       |
| Load length with rear seat(s) and front passenger seat folded down | 302.0       |
| Height of luggage compartment                                      | 47.5        |
| Liftover height (H195)   | 64.2        |
| Width of luggage compartment between wheelhouses                   | 103.4       |

### Volvo S40 2.4/140 (B5244S5)

|  |
|--|
| In-line 5 cyl., naturally aspirated                                      |
| Transverse, front wheel drive  |
| 2435   |
| Aluminium  |
| Aluminium  |
| Pent-roof  |
| 10.3   |
| 4  |
| 2  |
| Microprocessor controlled fuel and ignition system with self diagnostics |
| 1-2-4-5-3  |
| 720  |
| 91-98 RON  |
| 103 (140)/5000   |
| 220/4000   |

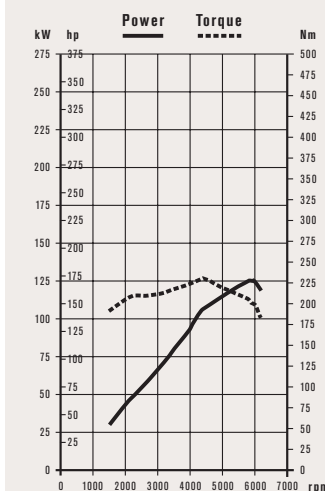


|              |
|--------------|
| M56L/4.00    |
| AW55-51/2.44 |

|        |           |
|--------|-----------|
| Manual | Automatic |
| 9.9    | 10.6      |
| 205    | 200       |
| 8.4    | 9.1       |
| 199    | 217       |

### Volvo S40 2.4i/170 (B5244S4)

|  |
|--|
| In-line 5 cyl., naturally aspirated                                      |
| Transverse, front wheel drive  |
| 2435   |
| Aluminium  |
| Aluminium  |
| Pent-roof  |
| 10.3   |
| 4  |
| 2  |
| Microprocessor controlled fuel and ignition system with self diagnostics |
| 1-2-4-5-3  |
| 720  |
| 91-98 RON  |
| 125 (170)/6000   |
| 230/4400   |



|              |
|--------------|
| M56H/4.25    |
| AW55-51/2.44 |

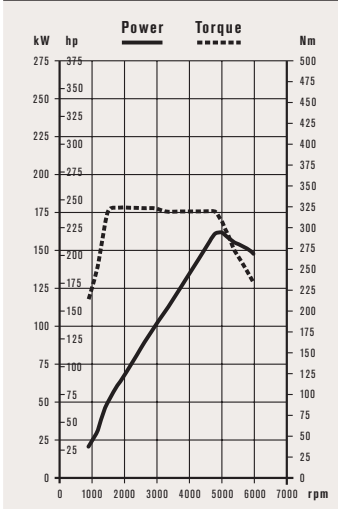
|        |           |
|--------|-----------|
| Manual | Automatic |
| 8.2    | 8.9       |
| 220    | 215       |
| 8.5    | 9.1       |
| 203    | 217       |

→ Cont'd Volvo S40

Preliminary data

|  |
|--|
| <b>Volvo S40 T5 (B5254T3)</b>  |
| In-line 5 cyl., light press. turbo                                       |
| Transverse, front wheel drive  |
| 2521   |
| Aluminium  |
| Aluminium  |
| Pent-roof  |
| 9.0  |
| 4  |
| 2  |
| Microprocessor controlled fuel and ignition system with self diagnostics |
| 1-2-4-5-3  |
| 770  |
| 91-98 RON  |
| 162 (220)/5000   |
| 320/1500-4800  |

|  |
|--|
| <b>Volvo S40 2.0D (D4204T)</b>                     |
| In-line 4 cyl. turbo diesel                        |
| Transverse, front wheel drive                      |
| 1998   |
| Aluminium  |
| Aluminium  |
| -  |
| 18.5   |
| 4  |
| 2  |
| Common-Rail Direct Injection with self diagnostics |
| 1-3-4-2  |
| 800  |
| Diesel Min Cetane 48                               |
| 100 (136)/4000 prel.                               |
| 340/2000 prel.                                     |



n.a.

|              |           |
|--------------|-----------|
| M66W/3.77    |           |
| AW55-51/2.27 |           |
| Manual       | Automatic |
| 6.8          | 7.2       |
| 240          | 235       |
| 8.7          | 9.4       |
| 208          | 224       |

|            |
|------------|
| MMT6/2.85* |
| -          |
| Manual     |
| 9.5        |
| 210        |
| 5.6        |
| 148        |

\* Gear 5, 6 & Rev. (4.07 Gear 1, 2, 3, 4)