

# Volvo C70

## ENGINES

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

## POWER AND TORQUE →

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

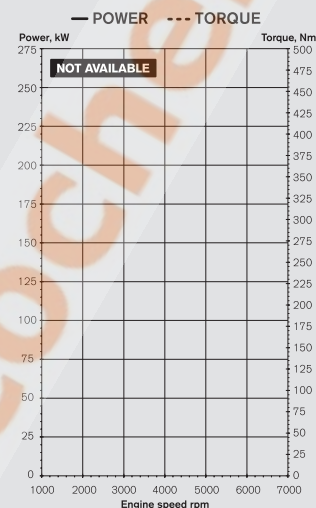
## PERFORMANCE\*

|                                                     |
|-----------------------------------------------------|
| Gearbox                                             |
| Acceleration, 0–100 km/h (sec)                      |
| Top speed, km/h                                     |
| Fuel consumption l/100 km<br>(EC 199/100, combined) |
| CO <sub>2</sub> g/km                                |

\*All performance figures are preliminary

### PETROL 2.4 (B5244S5)

|                                                                          |
|--------------------------------------------------------------------------|
| In-line 5 cyl., naturally aspirated                                      |
| Transverse, front wheel drive                                            |
| 2435                                                                     |
| 83/90                                                                    |
| Aluminium                                                                |
| Aluminium                                                                |
| Pent-roof                                                                |
| 10.3:1                                                                   |
| 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                                                                 |

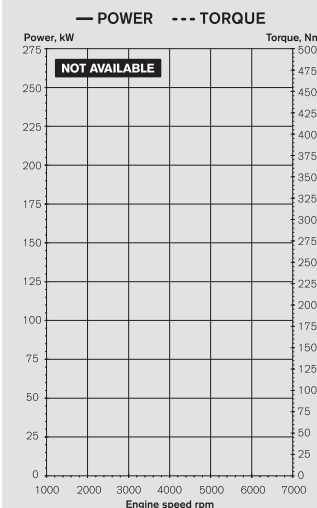


|                |
|----------------|
| M56L/4.00:1    |
| AW55-51/2.44:1 |

| Manual | Automatic |
|--------|-----------|
| 11.0   | 11.8      |
| 205    | 200       |
| 8.9    | 9.6       |
| 212    | 229       |

### PETROL 2.4i (B5244S4)

|                                                                          |
|--------------------------------------------------------------------------|
| In-line 5 cyl., naturally aspirated                                      |
| Transverse, front wheel drive                                            |
| 2435                                                                     |
| 83/90                                                                    |
| Aluminium                                                                |
| Aluminium                                                                |
| Pent-roof                                                                |
| 10.3:1                                                                   |
| 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/4.25:1    |
| AW55-51/2.44:1 |

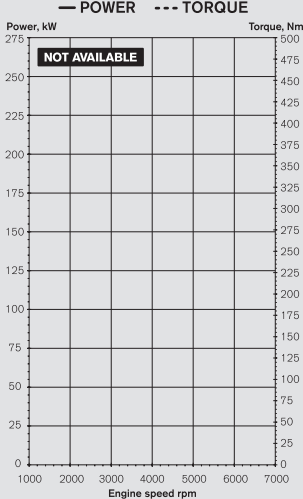
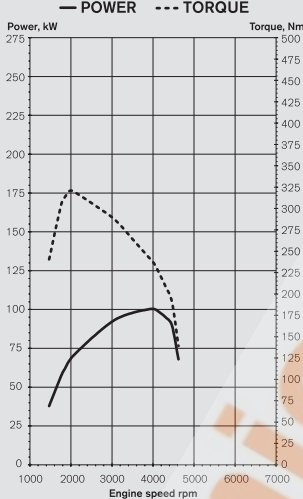
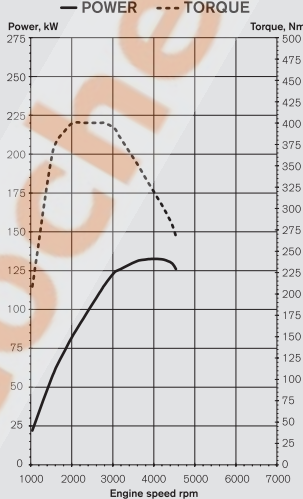
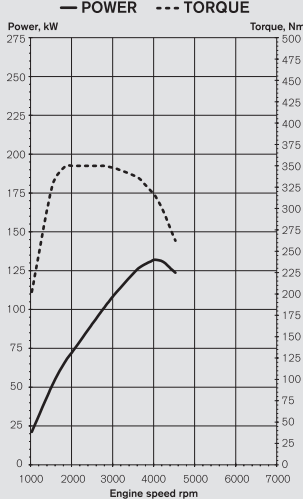
| Manual | Automatic |
|--------|-----------|
| 9.1    | 10.0      |
| 220    | 215       |
| 9.0    | 9.6       |
| 215    | 229       |

## TRANSMISSIONS

5- and 6-speed manual gearbox.

5-speed adaptive automatic transmission, electronically controlled, with lock-up and winter mode selection.

| RATIO   | M56L | M56H | M66W | M66D | MMT6 | MPS6-4 | AW55-51 |
|---------|------|------|------|------|------|--------|---------|
| First   | 3.39 | 3.07 | 3.39 | 3.39 | 3.58 | 3.58   | 4.66    |
| Second  | 1.91 | 1.77 | 1.91 | 1.91 | 1.95 | 1.95   | 3.03    |
| Third   | 1.19 | 1.19 | 1.27 | 1.19 | 1.24 | 1.19   | 1.98    |
| Fourth  | 0.87 | 0.87 | 0.95 | 0.84 | 0.87 | 0.84   | 1.34    |
| Fifth   | 0.70 | 0.70 | 0.78 | 0.65 | 0.94 | 0.94   | 1.02    |
| Sixth   | —    | —    | 0.65 | 0.54 | 0.79 | 0.79   | —       |
| Reverse | 3.30 | 2.99 | 3.20 | 3.23 | 5.1  | 4.84   | 5.11    |

| PETROL T5 (B5254T7)                                                                                         |           | DIESEL 2.0 D (D4204T)                                                                                        |           | DIESEL D5 (D5244T13)                                                                                          |  | D5 (D5244T8)                                                                                                   |  |
|-------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|--|
| In-line 5 cyl., turbo                                                                                       |           | In-line 4 cyl. turbo diesel                                                                                  |           | In-line 5 cyl. turbo diesel                                                                                   |  | In-line 5 cyl. turbo diesel                                                                                    |  |
| Transverse, front wheel drive                                                                               |           | Transverse, front wheel drive                                                                                |           | Transverse, front wheel drive                                                                                 |  | Transverse, front wheel drive                                                                                  |  |
| 2521                                                                                                        |           | 1997                                                                                                         |           | 2400                                                                                                          |  | 2400                                                                                                           |  |
| 83/93,2                                                                                                     |           | 85/88                                                                                                        |           | 81/93,15                                                                                                      |  | 81/93,15                                                                                                       |  |
| Aluminium                                                                                                   |           | Aluminium                                                                                                    |           | Aluminium                                                                                                     |  | Aluminium                                                                                                      |  |
| Aluminium                                                                                                   |           | Aluminium                                                                                                    |           | Aluminium                                                                                                     |  | Aluminium                                                                                                      |  |
| Pent-roof                                                                                                   |           | Re Entry                                                                                                     |           | Re Entry                                                                                                      |  | Re Entry                                                                                                       |  |
| 9.0:1                                                                                                       |           | 18.5:1                                                                                                       |           | 17.3:1                                                                                                        |  | 17.3:1                                                                                                         |  |
| 4                                                                                                           |           | 4                                                                                                            |           | 4                                                                                                             |  | 4                                                                                                              |  |
| 2                                                                                                           |           | 2                                                                                                            |           | 2                                                                                                             |  | 2                                                                                                              |  |
| Microprocessor controlled fuel and ignition system with self diagnostics                                    |           | Common-Rail Direct Injection with self diagnostics                                                           |           | Common-Rail Direct Injection with self diagnostics                                                            |  | Common-Rail Direct Injection with self diagnostics                                                             |  |
| 1-2-4-5-3                                                                                                   |           | 1-3-4-2                                                                                                      |           | 1-2-4-5-3                                                                                                     |  | 1-2-4-5-3                                                                                                      |  |
| 770                                                                                                         |           | 800                                                                                                          |           | 720                                                                                                           |  | 720                                                                                                            |  |
| 91-98 RON                                                                                                   |           | Diesel Min Cetane 48                                                                                         |           | Diesel Min Cetane 48                                                                                          |  | Diesel Min Cetane 48                                                                                           |  |
| 169 (230) 5000                                                                                              |           | 100 (136)/4000                                                                                               |           | 132 (180)/4000                                                                                                |  | 132 (180)/4000                                                                                                 |  |
| 320/1500-5000                                                                                               |           | 320/2000                                                                                                     |           | 400/2000-2750                                                                                                 |  | 350/1750-3250                                                                                                  |  |
| <p>— POWER --- TORQUE</p>  |           | <p>— POWER --- TORQUE</p>  |           | <p>— POWER --- TORQUE</p>  |  | <p>— POWER --- TORQUE</p>  |  |
| M66W/3.77:1                                                                                                 |           | MMT6W3/ 2,773                                                                                                |           | M66D/4,00:1                                                                                                   |  | —                                                                                                              |  |
| AW55-51/2.27:1                                                                                              |           | MPS6-4/2,905                                                                                                 |           | —                                                                                                             |  | AW55-51/2.27                                                                                                   |  |
|                                                                                                             |           |                                                                                                              |           |                                                                                                               |  |                                                                                                                |  |
| Manual                                                                                                      | Automatic | Manual                                                                                                       | Automatic | Automatic                                                                                                     |  | Automatic                                                                                                      |  |
| 7.6                                                                                                         | 8.0       | 11.0                                                                                                         | 11.1      | 9.0                                                                                                           |  | 9.5                                                                                                            |  |
| 240                                                                                                         | 235       | 205                                                                                                          | 205       | 225                                                                                                           |  | 225                                                                                                            |  |
| 8.9                                                                                                         | 9.4       | 6.0                                                                                                          | 6.3       | 6.6                                                                                                           |  | 7.3                                                                                                            |  |
| 209                                                                                                         | 219       | 158                                                                                                          | 158       | 174                                                                                                           |  | 193                                                                                                            |  |

## MEASUREMENTS AND VOLUMES

## EXTERIOR MEASUREMENTS (CM)

|              |       |
|--------------|-------|
| Length       | 461.5 |
| Width        | 183.6 |
| Height       | 140.0 |
| Wheelbase    | 264.0 |
| Track, front | 155.0 |
| Track, rear  | 156.0 |

## WEIGHTS/MISCELLANEOUS

|                                  |           |
|----------------------------------|-----------|
| Weight, kg                       | 1692-1759 |
| Fuel tank, l (petrol/diesel)     | 52-60     |
| Max. trailer weight, kg (braked) | 1500      |
| Drag coefficient                 | 0.31      |

## INTERIOR MEASUREMENTS (CM)

|                                                             |             |
|-------------------------------------------------------------|-------------|
| Headroom (front/rear)                                       | 97.0/92.4   |
| Passenger compartment width at shoulder height (front/rear) | 136.1/119.4 |
| Luggage volume, litres (ISO V210) roof up/roof down         | 404/200     |
| Height of luggage compartment roof up/roof down             | 52.5/26.5   |

## 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 (wall to wall)    |       | 11.95                                                 |
| Braking system                   |       | ABS system with EBD. Ventilated discs front and rear. |
| Brake disc diameter (front/rear) |       | 300-320/280                                           |