

Volvo Construction Equipment Building Tomorrow

# ENVIRONMENTAL DECLARATION VOLVO COMPACTION EQUIPMENT



# **Environmental Declaration**

### COMPACTION EQUIPMENT

The following information is specified by the manufacturer and applies to machines when they leave the factory. For other technical information, see product specifications as well as the Operator's Manual.

#### MANUFACTURER

Volvo Construction Equipment, 312 Volvo Way, Shippensburg, PA

Volvo Construction Equipment Volvo India Private Limited Peenya Industrial Area Bangalore - 560 058, India

Volvo Construction Equipment, Kuhbrueckenstrasse 18 31785 Hameln / Germany

| Soil Compactor Model                                 |                  |                             |                             |                  |                |                 |          |                       |                 |                 |                             |
|--|------------------|-----------------------------|-----------------------------|------------------|----------------|-----------------|----------|-----------------------|-----------------|-----------------|-----------------------------|
|  | SD45B            | SD75B                       | SD105                       | SD11             | 5B S           | 5D135B          | SD1      | 60B                   | SD110           | SD110B          | SD110BA                     |
| Engine   | Volvo D3.3H      | Volvo D3.8                  | Cummins<br>QSB 4.5          |                  | D4 V           | /olvo D4        | Cum      | mins                  | Volvo D5<br>DA3 | Volvo D5<br>DA3 | Volvo D5                    |
| Engine power acc.<br>To ISO 9249 SAE kW<br>J1349 net | 55               | 55.4                        | 97                          | 110              |                | 110             | 11       | 10                    | 99              | 99              | 77                          |
| Metric hp  | 75.0             | 76.1                        | 131.8                       | 149.             | 6              | 149.6           | 149      | 9.6                   | 134.6           | 134.6           | 104.6                       |
| Imperial hp  | 74               | 75                          | 130                         | 147.             | 5              | 147.5           | 14       | 7.5                   | 132.7           | 132.7           | 103.2                       |
| Emission level according to US<br>EPA & CARB         | T4F              | T4F                         | Т3                          | NA-T4<br>G-T3    |                | NA-T4F.<br>G-T3 |          | T4F.<br>T3            | ТЗ              | Т3              | Т3                          |
| Emission level within EU Directive 97/68/EC          | Stage V          | Stage V                     |                             | Stage            | V S            | Stage V         | Sta      | ge V                  |                 |                 |                             |
| Transmission   | Hydrostatic      | Hydrostatic                 | Hydrostati                  | c Hydrost        | tatic Hy       | ydrostatic      | Hydro    | ostatic H             | Hydrostatic     | Hydrostatic     | Hydrostatic                 |
| Asphalt Compactor Model                              |                  |                             |                             |                  |                |                 |          |                       |                 |                 |                             |
|  | CR30             | CR30B                       | CR35B                       | DD15             | DD25           | B DD1           | 00       | DD90E                 | B DD38H         | F DD30B         | DD35B                       |
| Engine   | Kubota<br>V2203M | Kubota<br>D1803-<br>CR-TE4B | Kubota<br>D1803-<br>CR-TE4B | Kubota<br>D722-B | Volvo<br>D1.7A |                 |          | Cummin<br>B3.9-C      |                 |                 | Kubota<br>D1803-<br>CR-TE4B |
| Engine power acc.<br>To ISO 9249 SAE kW<br>J1349 net | 31.4             | 37                          | 37                          | 12.4             | 18.2           | 96              | .9       | 110                   | 31.4            | 37              | 37                          |
| Metric hp  | 42.7             | 50.3                        | 50.3                        | 16.9             | 24.7           | 131             | .7       | 149.6                 | 42.7            | 50.3            | 50.3                        |
| Imperial hp  | 42.1             | 49.6                        | 49.6                        | 16.6             | 24.4           | 129             | 9.9      | 147.5                 | 42.1            | 49.6            | 49.6                        |
| Emission level according to US<br>EPA & CARB         | T4i              | T4F                         | T4F                         | T4F              | T4F            | т               | 3        | Т3                    | T4i             | T4F             | T4F                         |
| Emission level within EU Directive 97/68/EC          | Stage IIIA       |                             |                             | Stage V          | Stage          | V               |          |                       | Stage III       | A               |                             |
| Transmission   | Hydrostatic H    | lydrostatic ⊢               | lydrostatic H               | ydrostatic       | Hydrosta       | atic Hydro      | static ⊦ | lydrosta              | tic Hydrosta    | tic Hydrostati  | c Hydrostatic               |
| Asphalt Compactor Model                              |                  |                             |                             |                  |                |                 |          |                       |                 |                 |                             |
|  | DD105            | DD105 OS                    | C DD110C                    | DD12             | D DO           | D140C           | PT       | 125                   | PT125C          | PT220           | PTR240                      |
| Engine   | Volvo D3.8       | Volvo D3.9                  | Volvo D4<br>EPA             | , Volvo I<br>EPA |                | olvo D4,<br>EPA | V360     | oota<br>00-T- V<br>3B | olvo D3.3H      | Volvo<br>D5DA3  | Deutz TCD<br>3.6            |
| Engine power acc.<br>To ISO 9249 SAE kW<br>J1349 net | 85               | 85                          | 110                         | 110              |                | 110             | 6        | 3                     | 55.4            | 99              | 74.4                        |
| Metric hp  | 115.6            | 115.6                       | 149.6                       | 149.             | 6              | 149.6           | 85       | 5.7                   | 75.3            | 134.6           | 101.2                       |
| Imperial hp  | 114.0            | 114.0                       | 147.5                       | 147.             | ō              | 147.5           | 84       | 1.5                   | 74.3            | 132.8           | 99.8                        |
| Emission level according to US<br>EPA & CARB         | T4F. G-T3        | T4F. G-T3                   | T4F                         | T4F              | :              | T4F             | Tie      | er 3                  | T4F             | Tier 3          | T4F                         |
| Emission level within EU Directive<br>97/68/EC       | Stage IV         | Stage IV                    |                             |                  |                |                 |          |                       |                 |                 |                             |
| Transmission   | Hydrostatic      | Hydrostatic                 | Hydrostati                  | c Hydrost        | tatic Hy       | ydrostatic      | Hydro    | static H              | Hydrostatic     | Hydrostatic     | Hydrostatic                 |

### CORE VALUES

Quality, safety and environmental care are Volvo's core values. They are designed from the beginning into the product's entire service life. This includes design and engineering, material selection, manufacturing processes, use and recycling.

#### MANUFACTURING

The assembly of the complete machines takes place at one of Volvo Construction Equipment's production plants. Our production facilities are all certified according to ISO 14001.

#### DECLARATIONS

Upholstery and other interiors in the cab do not contain mercury.

Plastics and other interior materials are fire-classed according to Volvo standard 104-0001 or MVSS 302. Brake pads do not contain mercury, cadmium, or asbestos. Tires do not contain highly aromatic oils (HA-oils) in the tread. The whole machine does not contain any cadmium or asbestos. Refrigerant of the type R134A (1,8-2,1 kg/4.0 - 4.6 lbs) is used if the machine is equipped with air conditioning (option).

Many of our components and parts are purchased from external suppliers. Volvo Construction Equipment works closely with these suppliers in order to safeguard the environmental requirements for purchased components and parts.

#### SPECIFICATION OF PAINT

In order to reduce solvent emissions, the machines are painted using powder paints and water-based paints. To reduce consumption of water and chemicals, cleaning and recirculation takes place during the pretreatment processes in the factories.

| Machine Parts                       | Paint Type | Paint Description  | Chlorine | Pre-Treatment      |
|-------------------------------------|------------|--|----------|--------------------|
| Frames, Drums, and Structural Steel | Solvent    | High Performance, Ultra High Solids, Polyaspartic Urethane | No       | Blasting           |
| ROPS, Steel Tank, and Sheet Metal   | Powder     | Superdurable Polyester Non-TGIC                            | No       | Iron-Phosphatizing |

# **Environmental Declaration**

### EMISSIONS

The engine emission value is meeting with the limit value according to EU regulation 2016/1628, Stage V .

The engine emission value is meeting with the limit value according to EU Directive 97/68/EC 2010/26/EU, Stage IIIA, Stage IIIB. The engine emission value is meeting with the limit value according to US requirements: US EPA Tier 3, Tier4f and CARB US EPA. Exhaust emissions are measured as specific emissions in g/kWh according to ISO 8178-1 and ISO 8178-4, cycle C1. A family engine (parent engine) is certified within an engine family.

The parent engine is the engine with the highest fuel injection volume at maximum torque. Engines with the same design or similar technology will then belong to this family.

Therefore, the values required by law are only given for the parent engine.

\*Emission standards are applied to each machine in accordance with the emission requirements.

| mission levels                   |             |               |         |         |         |         |  |  |  |  |  |  |  |
|----------------------------------|-------------|---------------|---------|---------|---------|---------|--|--|--|--|--|--|--|
|                                  | Power range | NOX           | РМ      | PN      | нс      | со      |  |  |  |  |  |  |  |
|                                  | (kW)        | (g/kWh)       | (g/kWh) | (1/kWh) | (g/kWh) | (g/kWh) |  |  |  |  |  |  |  |
| EU regulation 2016/1628, Stage V | >560*       | 3.5           | 0.045   | -       | 0.19    | 3.5     |  |  |  |  |  |  |  |
| EU regulation 2016/1628, Stage V | 130-560     | 0.4           | 0.015   | 1 012   | 0.19    | 3.5     |  |  |  |  |  |  |  |
| EU regulation 2016/1628, Stage V | 56-130      | 0.4           | 0.015   | 1 012   | 0.19    | 5       |  |  |  |  |  |  |  |
| EU regulation 2016/1628, Stage V | 37-56       | 4.7 (incl.HC) | 0.015   | 1 012   | -       | 5       |  |  |  |  |  |  |  |
| EU regulation 2016/1628, Stage V | 19-37       | 4.7 (inkl.HC) | 0.015   | 1 012   | -       | 5.5     |  |  |  |  |  |  |  |
| EU regulation 2016/1628, Stage V | 8-19*       | 7.5 (inkl.HC) | 0.4     | -       | -       | 6.6     |  |  |  |  |  |  |  |
| EU regulation 2016/1628, Stage V | 75 - 130    | 4             |         |         | 0.3     | 5       |  |  |  |  |  |  |  |
| US EPA Tier 4 Final              | >560*       | 3.5           | 0.04    | -       | 0.19    | 3.5     |  |  |  |  |  |  |  |
| US EPA Tier 4 Final              | 130-560     | 0.4           | 0.02    | -       | 0.19    | 3.5     |  |  |  |  |  |  |  |
| US EPA Tier 4 Final              | 56-130      | 0.4           | 0.02    | -       | 0.19    | 5       |  |  |  |  |  |  |  |
| US EPA Tier 4 Final              | 37-56       | 4.7 (inkl.HC) | 0.03    | -       | -       | 5       |  |  |  |  |  |  |  |
| US EPA Tier 4 Final              | 19-37       | 4.7 (inkl.HC) | 0.03    | -       | -       | 5.5     |  |  |  |  |  |  |  |
| US EPA Tier 4 Final              | 43696       | 7.5 (inkl.HC) | 0.4     | -       | -       | 6.6     |  |  |  |  |  |  |  |
| US EPA Tier 4 Final              | <8          | 7.5 (inkl.HC) | 0.4     | -       | -       | 8       |  |  |  |  |  |  |  |

### SOUND LEVELS

In accordance with the requirements of Machinery Directive 2006/42/EC, the following values were measured: These measurements were recorded in accordance with the requirements of ISO 6394, ISO 6395 and ISO 6396 with the engine running at manufacturer's rated speed.

| iound Levels |                       |         |               |               |             |              |           |  |  |  |  |  |  |
|--------------|-----------------------|---------|---------------|---------------|-------------|--------------|-----------|--|--|--|--|--|--|
|              | Engine                | Tier    | Sound Level w | ith Open ROPS | Sound Lev   | Sound Power  |           |  |  |  |  |  |  |
|              |                       |         | Operato       | or Ear LP     | Operato     | or Ear LP    | Level Lwa |  |  |  |  |  |  |
|              | US / Global           | EU      | Engine Only   | Vibration On  | Engine Only | Vibration On |           |  |  |  |  |  |  |
|              |                       |         | dB (A)        | dB (A)        | dB (A)      | dB (A)       | dB (A)    |  |  |  |  |  |  |
| SD45B        | Tier 4 final          | Stage V | 84            | 86            | -           | -            | 105       |  |  |  |  |  |  |
| SD75B        | Tier 4 final          | Stage V | 87            | 85            | 81          | 93           | 101       |  |  |  |  |  |  |
| SD105        | Tier 3                |         |               |               |             |              | 105       |  |  |  |  |  |  |
| SD115B       | Tier 4 final / Tier 3 | Stage V | 83            | 87            | 73          | 75           | 102       |  |  |  |  |  |  |
| SD135B       | Tier 4 final / Tier 3 | Stage V | 83            | 87            | 73          | 75           | 101       |  |  |  |  |  |  |
| SD160B       | Tier 4 final / Tier 3 | Stage V | -             | -             | 80          | 79           | 102       |  |  |  |  |  |  |
| SD110        | Tier 3                |         |               |               |             |              |           |  |  |  |  |  |  |
| SD110B       | Tier 3                |         | 83            | 85            | 81          | 82           | 106       |  |  |  |  |  |  |
| SD110BA      | Tier 3                |         | 94            | 90            | -           | -            | 109       |  |  |  |  |  |  |

|           | Engine Tier           |            | Sound                   | l Level          | Sound                   | Level            | Sound Power   |
|-----------|-----------------------|------------|-------------------------|------------------|-------------------------|------------------|---|
|           |                       |            | Operator Ear Lee        | qA (Engine Only) | Operator Ear Leo        | A (Vibration On) | (Lw) (Vibration On)   |
|           | US / Global           | EU         | *105 only* Open<br>ROPS | *105 only* Cab   | *105 only* Open<br>ROPS | *105 only* Cab   | Equivalent<br>continuous<br>A-weighted sound<br>power level of the<br>machine |
|           |                       |            | dB                      | (A)              | dB                      | dB (A)           |   |
| DD105     | Tier 4 final / Tier 3 | Stage IV   | 86                      | 91               |                         |                  | 106   |
| DD105 OSC | Tier 4 final / Tier 4 | Stage IV   |                         |                  |                         |                  | 106   |
| CR30      | Tier 4 interim        | Stage IIIA | 8                       | 6                | 8                       | 8                | 105   |
| CR30B     | Tier 4 final          |            | 8                       | 31               | 8                       | 106              |   |
| CR35B     | Tier 4 final          |            | 8                       | 31               | 8                       | 89               |   |
| DD15      | Tier 4 final          | Stage V    | 8                       | 31               | 8                       | 104              |   |
| DD25B     | Tier 4 final          | Stage V    | 8                       | 6                | 8                       | 104              |   |
| DD100     | Tier 3                |            |                         |                  |                         |                  |   |
| DD90      | Tier 3                |            | 8                       | 8                | 9                       | )1               | 107   |
| DD38HF    | Tier 4 interim        | Stage IIIA | 8                       | 3                | 8                       | 104              |   |
| DD30B     | Tier 4 final          |            | 8                       | 31               | 9                       | 0                | 103   |
| DD35B     | Tier 4 final          |            | 8                       | 31               | 9                       | 0                | 103   |
| DD110C    | Tier 4 final          |            | 8                       | 31               | 9                       | 9                | 111   |
| DD120C    | Tier 4 final          |            | 8                       | 2                | 9                       | 5                | 110   |
| DD140C    | Tier 4 final          |            | 8                       | 2                | 9                       | 5                | 113   |
| PT125     | Tier 3                |            | 8                       | 6 -              |                         |                  | 105   |
| PT125C    | Tier 4 final          |            | 8                       | 3                | -                       |                  |   |
| PT220     | Tier 3                |            |                         |                  |                         |                  | 106   |
| PTR240    | Tier 4 final          |            |                         |                  |                         |                  |   |

#### **OPERATOR'S ENVIRONMENT (ENCLOSED CAB)**

Incoming air for the cab first passes through a pre-filter which separates coarser particles, and then through the main filter in to the cab. Up to 90% of all air can be recirculated through the main filter.

This creates an overpressure in the cab, which results in a cleaner work environment.

#### SERVICE

There are dedicated hoses supplied with many machines for easier draining and also to reduce the risk of spilling engine or hydraulic oil.

For venting air from engine, transmission, fuel tank and hydraulic oil tank, there is a breather filter to reduce any occurrence of oil mist.

The fuel tank cap seals tightly to prevent fuel leaks in case of machine turn-over / rollover.

The transmission, hydraulic oil tank, and fuel tank breathers have a check valve to minimize leaks in case of machine turn-over/rollover.

For service intervals and other maintenance, see applicable maintenance label or operator's manuals for each respective machine model.

### OILS AND FLUIDS

Ethylene glycol coolant is filled at the factory.

Biologically degradable oil for the hydraulic system is available as an option. We recommend the following oils; these are also available as options. Besides we refer to the respective operator's manual.

#### TIRES

Tires without high-aromatic oil (HA-oils) are available from our suppliers by special order. HA-oils that result from tire wear is a contaminant to aquatic organisms.

# **Environmental Declaration**

### RECYCLING

Volvo Compactors are designed from the beginning for recycling at the end of their useful life cycle. Materials can be reused in new Volvo Construction Equipment or other products.

Most of our plastic parts are marked for recycling according to Volvo Standards 5052,41, 5042,411 as well as 5052,412. Materials included in the machine are distributed according to the tables below. Weights are approximate. These material fractions can be recycled (material and energy recycling) where such recycling possibilities are available.

|                              |    |        | SD45B   |        | SD75B   |              | SD105   | Î      | SD115B  |        |
|------------------------------|----|--------|---------|--------|---------|--------------|---------|--------|---------|--------|
| Soil Compactor Model         |    | SD45B  |         | SD75B  |         | SD105        |         | SD115B |         | SD135B |
|                              |    |        | Padfoot |        | Padfoot |              | Padfoot |        | Padfoot |        |
|                              |    |        |         |        | U       | nits (rounde | ed)     |        |         |        |
| Steel / iron                 | kg | 4 226  | 4 566   | 6 551  | 7 140   | 9 770        | 10 405  | 10 074 | 10 709  | 11 053 |
| Copper                       | kg | 6      | 6       | 9      | 9       | 16           | 16      | 18     | 18      | 18     |
| Aluminum                     | kg | 9      | 9       | 14     | 14      | 19           | 19      | 21     | 21      | 21     |
| Lead batteries               | kg | 12     | 12      | 18     | 18      | 36           | 36      | 36     | 36      | 36     |
| Polymer materials and rubber | kg | 99     | 97      | 152    | 152     | 202          | 202     | 202    | 202     | 202    |
| Tires                        | kg | 85     | 83      | 130    | 130     | 317          | 317     | 317    | 317     | 317    |
| Fluids, oils and chemicals   | kg | 80     | 79      | 123    | 123     | 172          | 117     | 189    | 189     | 189    |
| Other                        | kg | 238    | 254     | 365    | 365     | 495          | 534     | 634    | 634     | 634    |
| Total*                       | kg | 4 755  | 5 106   | 7 362  | 7 951   | 11 027       | 11 646  | 11 491 | 12 126  | 12 470 |
| Steel / iron                 | lb | 9,297  | 10,045  | 14,412 | 15,708  | 21,494       | 22,891  | 22,163 | 23,560  | 24,317 |
| Copper                       | lb | 13     | 13      | 20     | 20      | 35           | 35      | 40     | 40      | 40     |
| Aluminum                     | lb | 20     | 20      | 31     | 31      | 42           | 42      | 46     | 46      | 46     |
| Lead batteries               | lb | 26     | 26      | 40     | 40      | 79           | 79      | 79     | 79      | 79     |
| Polymer materials and rubber | lb | 218    | 213     | 334    | 334     | 444          | 444     | 444    | 444     | 444    |
| Tires                        | lb | 187    | 183     | 286    | 286     | 697          | 697     | 697    | 697     | 697    |
| Fluids, oils and chemicals   | lb | 176    | 174     | 271    | 271     | 378          | 257     | 416    | 416     | 416    |
| Other                        | lb | 524    | 559     | 803    | 803     | 1,089        | 1,175   | 1,395  | 1,395   | 1,395  |
| Total*                       | lb | 10,461 | 11,233  | 16,196 | 17,492  | 24,259       | 25,621  | 25,280 | 26,677  | 27,434 |

\* Varies depending on equipment, e.g., options and field kits

| Soil Compactor Model         |    | SD135B  | SD160B | SD160B          | SD110   | SD110  | 601100 | SD110B  | CD110DA | SD110BA |  |
|------------------------------|----|---------|--------|-----------------|---------|--------|--------|---------|---------|---------|--|
|                              |    | Padfoot |        |                 | Padfoot |        | SD110B | Padfoot | SD110BA | Padfoot |  |
|                              |    |         |        | Units (rounded) |         |        |        |         |         |         |  |
| Steel / iron                 | kg | 11 753  | 15 132 | 15 832          | 9 835   | 10 470 | 9 258  | 9 893   | 9 490   | 10 125  |  |
| Copper                       | kg | 18      | 18     | 18              | 9       | 9      | 13     | 13      | 11      | 11      |  |
| Aluminum                     | kg | 21      | 21     | 21              | 14      | 14     | 21     | 21      | 21      | 21      |  |
| Lead batteries               | kg | 36      | 36     | 36              | 18      | 18     | 35     | 35      | 35      | 35      |  |
| Polymer materials and rubber | kg | 202     | 202    | 202             | 152     | 152    | 198    | 198     | 198     | 198     |  |
| Tires                        | kg | 317     | 317    | 317             | 130     | 130    | 311    | 311     | 311     | 311     |  |
| Fluids, oils and chemicals   | kg | 189     | 189    | 189             | 277     | 277    | 251    | 251     | 265     | 265     |  |
| Other                        | kg | 634     | 764    | 764             | 441     | 441    | 502    | 502     | 486     | 486     |  |
| Total*                       | kg | 13 170  | 16 679 | 17 379          | 10 876  | 11 511 | 10 589 | 11 224  | 10 817  | 11 452  |  |
| Steel / iron                 | lb | 25,857  | 33,290 | 34,830          | 21,637  | 23,034 | 20,368 | 21,765  | 20,879  | 22,276  |  |
| Copper                       | lb | 40      | 40     | 40              | 20      | 20     | 29     | 29      | 24      | 24      |  |
| Aluminum                     | lb | 46      | 46     | 46              | 31      | 31     | 45     | 45      | 45      | 45      |  |
| Lead batteries               | lb | 79      | 79     | 79              | 40      | 40     | 78     | 78      | 78      | 78      |  |
| Polymer materials and rubber | lb | 444     | 444    | 444             | 334     | 334    | 436    | 436     | 436     | 436     |  |
| Tires                        | lb | 697     | 697    | 697             | 286     | 286    | 684    | 684     | 684     | 684     |  |
| Fluids, oils and chemicals   | lb | 416     | 416    | 416             | 609     | 609    | 552    | 552     | 583     | 583     |  |
| Other                        | lb | 1,395   | 1,681  | 1,681           | 970     | 970    | 1,104  | 1,104   | 1,068   | 1,068   |  |
| Total*                       | lb | 28,974  | 36,694 | 38,234          | 23,927  | 25,324 | 23,296 | 24,693  | 23,797  | 25,194  |  |

\* Varies depending on equipment, e.g., options and field kits

| Asphalt Compactor Model   |  | CR30   | CR30B   | CR35B   | DD15   | DD25B  | DD100   | DD90B   | DD38HF   | DD30B                      | DD35B                      |
|---|--|--|---|---|--|--|---|---|--|----------------------------|----------------------------|
|   |  |  |   | I   | I  | Units (r                                     | ounded)   |   |  |                            |                            |
| Steel / iron  | kg   | 2 270  | 2 144   | 2 557   | 1 172  | 2 330  | _   |   | 3 057  | 2 622                      | 3 193                      |
| Copper  | kg   | 3  | 3   | 3   | 3  | 5  |   |   | 3  | 3                          | 3                          |
| Aluminum  | kg   | 20   | 20  | 20  | 20   | 25   |   |   | 20   | 20                         | 20                         |
| Lead batteries  | kg   | 19   | 19  | 19  | 18   | 18   |   |   | 19   | 19                         | 19                         |
| Polymer materials and rubber  | kg   | 145  | 145   | 145   | 94   | 102  |   |   | 145  | 145                        | 145                        |
| Tires   | kg   | 100  | 100   | 100   | 0  | 0  |   |   | 0  | 0                          | 0                          |
| Fluids, oils and chemicals  | kg   | 153  | 153   | 153   | 63   | 91   |   |   | 153  | 153                        | 153                        |
| Other   | kg   | 140  | 140   | 180   | 72   | 249  |   |   | 180  | 140                        | 180                        |
| Total*  | kg   | 2 850  | 2 724   | 3 177   | 1442   | 2 820  | 0   | 0   | 3 577  | 3 102                      | 3 713                      |
| Steel / iron  | lb   | 4,994  | 4,717   | 5,625   | 2,578  | 5,126  | 0   | 0   | 6,725  | 5,768                      | 7,025                      |
| Copper  | lb   | 7  | 7   | 7   | 7  | 11   | 0   | 0   | 7  | 7                          | 7                          |
| Aluminum  | lb   | 44   | 44  | 44  | 44   | 55   | 0   | 0   | 44   | 44                         | 44                         |
| Lead batteries  | lb   | 42   | 42  | 42  | 40   | 40   | 0   | 0   | 42   | 42                         | 42                         |
| Polymer materials and rubber  | lb   | 319  | 319   | 319   | 207  | 224  | 0   | 0   | 319  | 319                        | 319                        |
| Tires   | lb   | 220  | 220   | 220   | 0  | 0  | 0   | 0   | 0  | 0                          | 0                          |
| Fluids, oils and chemicals  | lb   | 337  | 337   | 337   | 139  | 200  | 0   | 0   | 337  | 337                        | 337                        |
| Other   | lb   | 308  | 308   | 396   | 158  | 548  | 0   | 0   | 396  | 308                        | 396                        |
| Total*  | lb   | 6,270  | 5,993   | 6,989   | 3,172  | 6,204  | 0   | 0   | 7,869  | 6,824                      | 8,169                      |
| * Varies depending on equipment,  | e.g., opt  | ions and fie   | ld kits   |   |  |  |   |   |  |                            |                            |
| Asphalt Compactor Model   |  | DD105  | DD105<br>OSC  | DD1100  | DD120  |  | 40C   | PT125   | PT125C   | PT220                      | PTR240                     |
|   |  |  |   |   | <u>^</u>   | Units (r                                     | ounded)   |   |  |                            |                            |
| Steel / iron  | kg   | 9 565  | 9 416   | 10 099  | 11 20  | 1 12   | 404   | 3 303   | 3 303  |                            |                            |
| Copper  | kg   | 50   | 50  | 12  | 11   | -  | 1   | 6   | 6  |                            |                            |
| Aluminum  | kg   | 40   | 40  | 10  | 68   | e  | 8   | 5   | 5  |                            |                            |
| Lead batteries  | kg   | 25   | 25  | 36  | 36   | З  | 6   | 21  | 21   |                            |                            |
| Polymer materials and rubber  | kg   | 190  | 190   | 239   | 396  | 3  | 96  | 450   | 450  |                            |                            |
| Tires   | kg   | 0  | 0   | 0   | 0  |  | 0   |   |  |                            |                            |
| Fluids, oils and chemicals  | kg   | 105  |   |   |  |  |   |   |  |                            |                            |
|   | 9  | 105  | 105   | 194   | 263  | 2  | 63  | 240   | 240  |                            |                            |
| Other   | kg   | 105  | 105<br>100  | 194<br>455  | 263<br>590   |  | 63<br>50  | 240<br>100  | 240<br>100   |                            |                            |
| Other<br>Total*   |  |  |   |   |  | 6  | 50  |   |  | 0                          | 0                          |
|   | kg   | 100  | 100   | 455   | 590  | 6<br>5 13                                    | 50<br>828   | 100   | 100  | 0                          | 0<br>0                     |
| Total*  | kg<br>kg   | 100<br>10 075  | 100<br>9 926  | 455<br>11 045   | 590<br>12 56   | 6.<br>5 13<br>2 27,                          | 50<br>828   | 100<br>4 125  | 100<br>4 125   |                            |                            |
| Total*<br>Steel / iron  | kg<br>kg<br>Ib                                     | 100<br>10 075<br>21,043                                | 100<br>9 926<br>20,715                                | 455<br>11 045<br>22,218                               | 590<br>12 56<br>24,64                                | 5 13<br>2 27,<br>2                           | 50<br>828<br>289                                    | 100<br>4 125<br>7,267                               | 100<br>4 125<br>7,267  | 0                          | 0                          |
| Total*<br>Steel / iron<br>Copper  | kg<br>kg<br>Ib<br>Ib                               | 100<br>10 075<br>21,043<br>110                         | 100<br>9 926<br>20,715<br>110                         | 455<br>11 045<br>22,218<br>26                         | 590<br>12 56<br>24,64<br>24                          | 6<br>5 13<br>2 27,<br>2<br>1                 | 50<br>828<br>289<br>24                              | 100<br>4 125<br>7,267<br>13                         | 100<br>4 125<br>7,267<br>13  | 0                          | 0                          |
| Total*<br>Steel / iron<br>Copper<br>Aluminum  | kg<br>kg<br>Ib<br>Ib<br>Ib                         | 100<br>10 075<br>21,043<br>110<br>88                   | 100<br>9 926<br>20,715<br>110<br>88                   | 455<br>11 045<br>22,218<br>26<br>22                   | 590<br>12 56<br>24,64<br>24<br>150                   | 6<br>5 13<br>2 27,<br>2<br>1!<br>7           | 50<br>828<br>289<br>24<br>50                        | 100<br>4 125<br>7,267<br>13<br>11                   | 100<br>4 125<br>7,267<br>13<br>11  | 0<br>0<br>0                | 0<br>0<br>0                |
| Total*<br>Steel / iron<br>Copper<br>Aluminum<br>Lead batteries  | kg<br>kg<br>lb<br>lb<br>lb<br>lb                   | 100<br>10 075<br>21,043<br>110<br>88<br>55             | 100<br>9 926<br>20,715<br>110<br>88<br>55             | 455<br>11 045<br>22,218<br>26<br>22<br>22<br>79       | 590<br>12 56<br>24,64<br>24<br>150<br>79             | 6.<br>5 13<br>2 27,<br>2<br>1!<br>7<br>8     | 50<br>828<br>289<br>24<br>50<br>'9                  | 100<br>4 125<br>7,267<br>13<br>11<br>46             | 100       4 125       7,267       13       11       46                   | 0<br>0<br>0<br>0           | 0 0 0 0 0                  |
| Total*<br>Steel / iron<br>Copper<br>Aluminum<br>Lead batteries<br>Polymer materials and rubber          | kg<br>kg<br>lb<br>lb<br>lb<br>lb<br>lb             | 100<br>10 075<br>21,043<br>110<br>88<br>55<br>418      | 100<br>9 926<br>20,715<br>110<br>88<br>55<br>418      | 455<br>11 045<br>22,218<br>26<br>22<br>79<br>526      | 590<br>12 56<br>24,64<br>24<br>150<br>79<br>871      | 6<br>5 13<br>2 27,<br>2<br>1!<br>7<br>8      | 50<br>828<br>289<br>24<br>50<br>79<br>71            | 100<br>4 125<br>7,267<br>13<br>11<br>46<br>990      | 100<br>4 125<br>7,267<br>13<br>11<br>46<br>990                           | 0<br>0<br>0<br>0<br>0      | 0<br>0<br>0<br>0           |
| Total*<br>Steel / iron<br>Copper<br>Aluminum<br>Lead batteries<br>Polymer materials and rubber<br>Tires | kg<br>kg<br>lb<br>lb<br>lb<br>lb<br>lb<br>lb<br>lb | 100<br>10 075<br>21,043<br>110<br>88<br>55<br>418<br>0 | 100<br>9 926<br>20,715<br>110<br>88<br>55<br>418<br>0 | 455<br>11 045<br>22,218<br>26<br>22<br>79<br>526<br>0 | 590<br>12 56<br>24,64<br>24<br>150<br>79<br>871<br>0 | 6<br>5 13<br>2 27,<br>2<br>1!<br>7<br>8<br>5 | 50<br>828 289<br>24 289<br>250<br>79 29<br>71<br>71 | 100<br>4 125<br>7,267<br>13<br>11<br>46<br>990<br>0 | 100       4 125       7,267       13       11       46       990       0 | 0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0 |

\* Varies depending on equipment, e.g., options and field kits

## PRODUCER RESPONSIBILITY

In many countries there is a producer responsibility that concerns our products, applicable to components such as batteries, tires, etc. There are special regulations for these components. For further information, contact your dealer.

Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.

# Machine model

Delivery date

Machine's serial number

Engine Type

Engine's manufacturing number



Place for stamp

Volvo Construction Equipment