











OPERATIONAL DATA VOLVO BM L90C

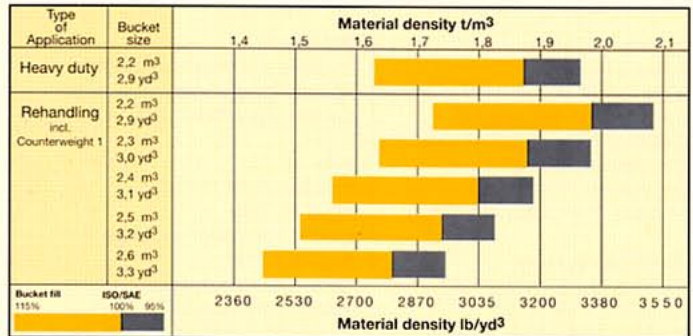
TYPE OF APPLICATION		REHANDLING *						HEAVY DUTY		LIGHT MATERIAL *	
Tires 20.5R25											
Volume, heaped	m ³	2,6	2,6	2,5	2,5	2,4	2,4	2,2	2,2	4,0	–
incl. bolt-on cutting edge	m	2,7	2,7	–	2,6	2,5	2,5	–	2,3	4,1	7,0
Static tipping load, straight	kg	10 780	9 980	10 750	10 050	10 100	10 640	10 250	9 610	9 610	8 980
at 35° turn	kg	9 590	8 840	9 560	8 900	8 950	9 480	9 120	8 530	8 480	7 810
at full turn	kg	9 230	8 490	9 200	8 560	8 610	9 120	8 780	8 200	8 130	7 450
Breakout force	kN	116,4	102,7	118,8	104,5	107,1	122,0	127,6	111,4	85,3	68,5
A	mm	7 400	7 560	7 590	7 540	7 500	7 330	7 500	7 450	7 900	8 330
E	mm	1 120	1 270	1 100	1 250	1 220	1 070	1 020	1 170	1 570	1 910
H	mm	2 730	2 620	2 610	2 640	2 660	2 770	2 670	2 700	2 360	2 070
L	mm	5 290	5 380	5 260	5 350	5 320	5 230	5 180	5 270	5 450	5 650
M	mm	1 230	1 340	1 380	1 330	1 300	1 190	1 320	1 260	1 560	1 790
N	mm	1 690	1 740	1 770	1 730	1 720	1 670	1 740	1 710	1 770	1 790
V	mm	2 650	2 650	2 650	2 650	2 650	2 650	2 650	2 650	2 750	3 000
a ₁ clearance circle	mm	11 970	12 070	12 140	12 060	12 030	11 930	12 080	12 000	12 370	12 860
Operating weight	kg	14 760	15 030	14 780	14 970	14 930	14 690	14 420	14 590	15 160	15 730
Product No.		94554	94553	94647	94649	92431	92585	92432	91849	92687	92683

* Including counterweight 1

BUCKET SELECTION CHART

The volume handled varies with the bucket fill and is often greater than indicated by the bucket's ISO/SAE volume. The table shows optimum bucket choice with regard to the material density.

Material m ³	Bucket fill %	Density t/m ³
Earth	100–115	1,4–1,6
Clay	110–120	1,4–1,6
Sand	100–110	1,6–1,9
Gravel	100–110	1,7–1,9
Rock	75–100	1,5–1,9



SUPPLEMENTAL OPERATING DATA

		Incl. / excl. counterweight 1	Counterweight 2			
Width over tires	mm	–	–			
Ground clearance	mm	–	–			
Operating weight	kg	± 300	+ 500			
Buckets						
Tipping load, full turn	kg	± 500	+ 800			

Counterweight 1 may be used in rehandling and material handling.
Counterweight 2, and combinations of counterweight 1 and 2, may be used within pallet and material arms handling for stabilizing purposes on firm and level ground.

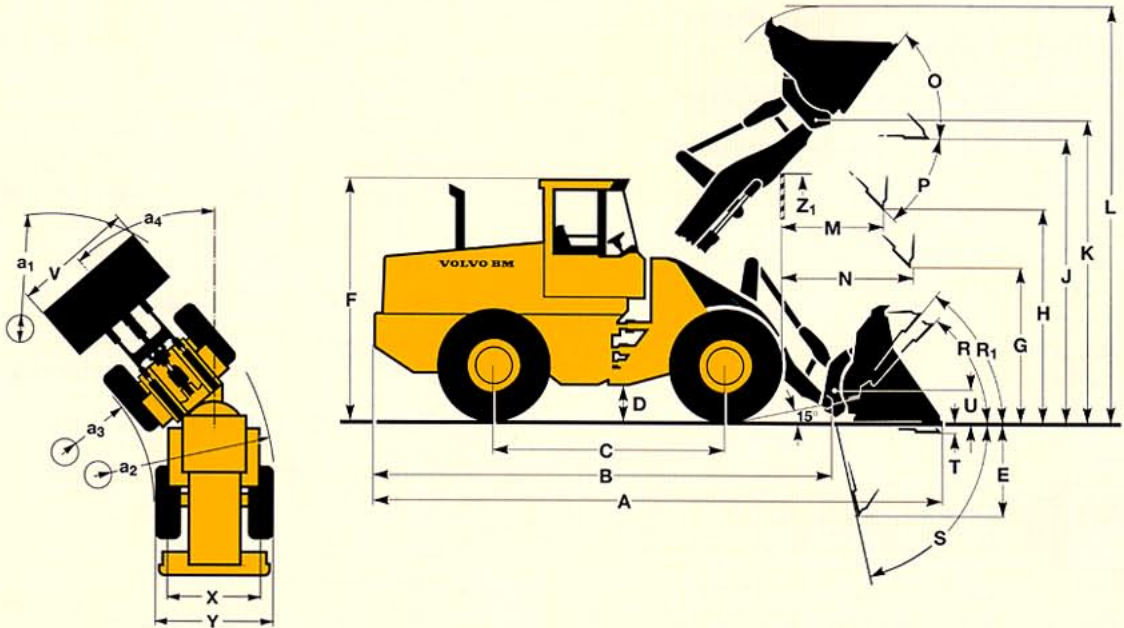
Counterweight 2 replaces hydroinflation of rear tires and must never be combined with tire chains.

OPERATIONAL DATA & DIMENSIONS

Tires: 20.5R25* L2

B	6 050 mm
C	3 000 mm
D	410 mm
F	3 270 mm
G	2 135 mm
J	3 540 mm
K	3 820 mm
O	56 °
P	49 °
R	43 °
R ₁ *	48 °
S	67 °
T	80 mm
U	450 mm
X	1 960 mm
Y	2 490 mm
Z ₁	3 055 mm
a ₂	5 370 mm
a ₃	2 880 mm
a ₄	±40 °

* Carry position SAE



Where applicable, specifications and dimensions are in accordance with ISO 7131, SAE J732, ISO 7546, SAE J742, ISO 5998, SAE J818, ISO 8313.

GRAPPLE (HOOK ON)

Order No: 92743
 Operating weight: 15 850 kg incl. counterweight 1 & 2
 Operating load: 4 800 kg

A	1,8 m ²
B	3 290 mm
C	1 890 mm
D	2 710 mm
E	1 520 mm
F	1 460 mm
G	2 670 mm
H	4 420 mm
I	6 150 mm
J	2 400 mm
K	2 590 mm
L	1 990 mm
M	8 210 mm

