



Lifting force tables 3503

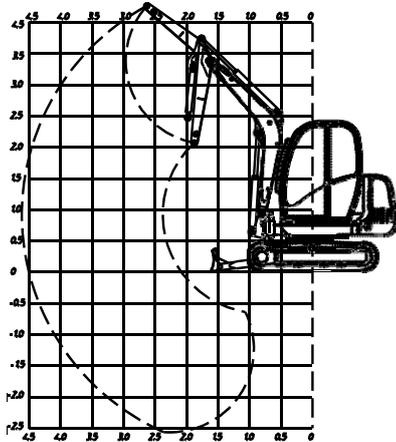


Fig. 1: Lifting force table 3503

All table values are given in kg, in a horizontal position on a solid surface and without a bucket.

If a bucket or other device is attached, the lifting force or lifting load is reduced by their own dead weight. Base of calculation: according to ISO 10567.

The lifting force of the compact excavator is limited by the settings of the pressure relief valve and the tilting safety mechanism.

Neither 75% of the static tipping load nor 87% of the hydraulic lifting force are exceeded.

A \ B			3.5 m (11'5")		3.0 m (9'8")		2.5 m (8'2")		2.0 m (6'6")	
3.0 m (9'8")	800* (1,764*)	545 (1,202)			745* (1,642*)	685 (1,510)				
2.0 m (6'6")	840* (1,852*)	480 (1,058)			870* (1,918*)	660 (1,455)	1110* (2,447*)	1105 (2,436)		
1.0 m (3'3")	890* (1,962*)	415 (915)	900* (1,984*)		1100* (2,425*)	620 (1,367)	1795* (3,957*)	1000 (2,205)		
0.0 m (0'0")	955* (2,105*)	420 (926)	955* (2,105*)		1300* (2,866*)	595 (1,312)	2130* (4,696*)	930 (2,050)		
-1.0 m (3'3")	1045* (2,304*)	475 (1,047)			1310* (2,888*)	590 (1,301)	2100* (4,630*)	950 (2,094)	4200* (9,259*)	2295 (5,060)
-2.0 m (6'6")	1150* (2,533*)	675 (1,488)					1700* (3,748*)	975 (2,150)	3300* (7,275*)	2345 (5,170)

Tab. 1: Lifting force tables 3503

max	Permissible load with extended dipper stick
A	Outreach from middle of rotating assembly
B	Load hook height
*	Lifting force limited by hydraulics

	with dozer blade support in the travel direction
	without dozer blade support 90° to travel direction



Lifting force tables 3503 Vario

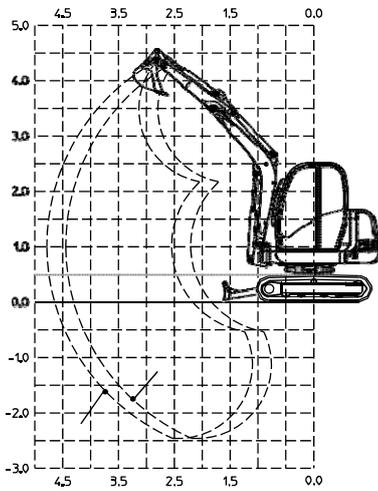


Fig. 2: Lifting force table 3503 Vario

All table values are given in kg, in a horizontal position on a solid surface and without a bucket.

If a bucket or other device is attached, the lifting force or lifting load is reduced by their own dead weight. Base of calculation: according to ISO 10567.

The lifting force of the compact excavator is limited by the settings of the pressure relief valve and the tilting safety mechanism.

Neither 75% of the static tipping load nor 87% of the hydraulic lifting force are exceeded.

A B	5.0 m (196.8 in)			4.0 m (157.5 in)			3.0 m (118.1 in)			2.0 m (78.7 in)					
	max	Vario rear	Vario front	max	Vario rear	Vario front	max	Vario rear	Vario front	max	Vario rear	Vario front			
3.0 m (118.1 in)	800* (1,764)	760 (1,676)	435 (959)	-	-	-	745* (1,642)	745* (1,642)	545 (1,202)	-	-	-	-	-	-
2.0 m (78.7 in)	840* (1,852)	670 (1,477)	385 (849)	-	-	-	870* (1,918)	870* (1,918)	530 (1,168)	1110* (2,447)	1110* (2,447)	885 (1,951)	-	-	-
1.0 m (39.4 in)	890* (1,962)	580 (1,279)	335 (739)	900* (1,984)	600 (1,323)	345 (761)	1100* (2,425)	870 (1,918)	500 (1,102)	1795* (3,957)	1395 (3,075)	800 (1,764)	-	-	-
0.0 m (0 in)	955* (2,105)	590 (1,301)	335 (739)	955* (2,105)	590 (1,301)	335 (739)	1300* (2,866)	835 (1,841)	475 (1,047)	2130* (4,696)	1330 (2,932)	760 (1,675)	-	-	-
-1.0 m (-39.4 in)	1,045* (2,304)	670 (1,477)	380 (838)	-	-	-	1310* (2,888)	825 (1,819)	470 (1,036)	2100* (4,630)	1330 (2,932)	520 (1,146)	4200* (9,259)	3215 (7,088)	1835 (4,045)
-2.0 m (-78.7 in)	1150* (2,533)	940 (2,072)	540 (1,190)	-	-	-	-	-	-	1700* (3,748)	1365 (3,009)	780 (1,720)	3300* (7,275)	3280 (7,231)	1875 (4,134)

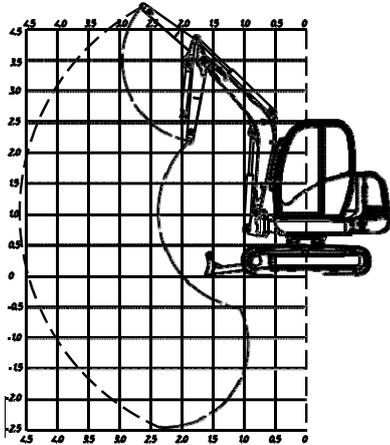
Tab. 2: Lifting force tables 3503 Vario

max	Permissible load with extended dipper stick
A	Outreach from middle of rotating assembly
B	Load hook height
*	Lifting force limited by hydraulics

	With dozer blade support in the travel direction
	Without dozer blade support, 90° to the travel direction, revolving superstructure displaced to the rear by means of Vario option, characteristic curve C
	Without dozer blade support, 90° to the travel direction of the revolving superstructure displaced to the front by means of Vario option, characteristic curve D



Lifting force tables 3503 vertical digging system (VDS)



All table values are given in kg, in a horizontal position on a solid surface and without a bucket.

If a bucket or other device is attached, the lifting force or lifting load is reduced by their own dead weight. Base of calculation: according to ISO 10567.

The lifting force of the compact excavator is limited by the settings of the pressure relief valve and the tilt safety mechanism.

Neither 75% of the static tipping load nor 87% of the hydraulic lifting force are exceeded.

Fig. 3: Lifting force table 3503 vertical digging system (VDS)

A \ B			3.5 m (11'5")		3.0 m (9'8")		2.5 m (8'2")		2.0 m (6'6")	
										
3.0 m (9'8")	800* (1,764*)	650 (1,433)			750* (1,653*)	550* (1,213*)				
2.0 m (6'6")	845* (1,863*)	350 (772)			900* (1,984*)	530 (1,168)	1210* (2,668*)	890 (1,962)		
1.0 m (3'3")	900* (1,984*)	340 (750)	900* (1,984*)	340 (750)	1125* (2,480*)	500 (1,102)	1850* (4,079*)	800 (1,764)		
0.0 m (0'0")	955* (2,105*)	340 (750)	955* (2,105*)	340 (750)	1300* (2,866*)	460 (1,014)	2150* (4,740*)	750 (1,653)		
-1.0 m (3'3")	1050* (2,315*)	395 (871)			1300* (2,866*)	450 (992)	2080* (4,586*)	750 (1,653)	4200* (9,259*)	1855 (4,090)
-2.0 m (6'6")	1150* (2,536*)	575 (1,268)					1650* (3,638*)	790 (1,742)	3150* (6,945*)	1910 (4,211)

Tab. 3: Lifting force tables 3503 vertical digging system (VDS)

max	Permissible load with extended dipper stick
A	Outreach from middle of rotating assembly
B	Load hook height
*	Lifting force limited by hydraulics

	With dozer blade support in the travel direction
	Without dozer blade support 90° to travel direction