

# Engine Powered Forklift 2.5 - 3.5 ton

## BT cargo

C4D/G250D

C4D/G300D

C4D/G350D



# Engine Powered Forklift 2.5-3.5 ton

Truck specifications					C4D250D/C4G250D	C4D300D/C4G300D	C4D350D/C4G350D
Identification	1.1	Manufacturer			BT	BT	BT
	1.2	Model			C4D250D/C4G250D	C4D300D/C4G300D	C4D350D/C4G350D
	1.3	Drive			Diesel/GPL	Diesel/GPL	Diesel/GPL
	1.4	Operator type			Rider seated	Rider seated	Rider seated
	1.5	Load capacity/rated load	Q	kg	2500	3000	3500
	1.6	Load centre	c	mm	500	500	500
	1.8	Load distance, centre of drive axle to fork	x	mm	460 <sup>1)</sup>	465 <sup>1)</sup>	478 <sup>1)</sup>
	1.9	Wheelbase	y	mm	1750	1750	1820
	Weight	2.1	Service weight		kg	4000/3890	4580/4470
2.2		Axle load, with load, front/rear		kg	5890-610/5830-560	6730-850/6670-800	7510-930/7450-880
2.3		Axle load, without load, front/rear		kg	2010-1990/1950-1940	2050-2530/1990-2480	2050-2890/1990-2840
Tyres	3.1	Tyres: Cushion (C), Pneumatic (PN), Superelastic (SE), Twin (TW)			SE/PN/SE.TW/PN.TW	SE/PN/SE.TW/PN.TW	SE/PN/SE.TW/PN.TW
	3.2	Tyre size, front			7,00-12/7,00-12/ 7,00-12/7,00-12	27x10-12/27x10-12/ 7,00-12/7,00-12	27x10-12/27x10-12/ 7,00-12/7,00-12
	3.3	Tyre size, rear			6,50-10/6,50-10	6,50-10/6,50-10	23x9-10 <sup>2)</sup> /6,50-10
	3.5	Wheels, number front/rear (x=driven wheels)			2x-4x/2	2x-4x/2	2x-4x/2
	3.6	Track width, front	b <sub>10</sub>	mm	1042-1042/1153-1205	1002-1038/1153-1205	1002-1038/1153-1205
	3.7	Track width, rear	b <sub>11</sub>	mm	1000	1000	1000
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta$	deg	5°/9°	5°/10°
4.2		Height, mast lowered	h <sub>1</sub>	mm	2252	2252	2252
4.3		Free lift	h <sub>2</sub>	mm	100	100	100
4.4		Lift	h <sub>3</sub>	mm	3160	3160	3160
		Lift height	h <sub>23</sub>	mm	3200	3205	3210
4.5		Height, mast extended	h <sub>4</sub>	mm	3805	3833	3833
4.7		Height of overhead guard (cab)	h <sub>6</sub>	mm	2200	2200	2200
4.8		Seat height/stand height	h <sub>7</sub>	mm	1150	1150	1150
4.12		Coupling height	h <sub>10</sub>	mm	450	450	450
4.19		Overall length	l <sub>1</sub>	mm	3568 <sup>1)</sup>	3697 <sup>1)</sup>	3796 <sup>1)</sup>
4.20		Length to face of forks	l <sub>2</sub>	mm	2568 <sup>1)</sup>	2697 <sup>1)</sup>	2796 <sup>1)</sup>
4.21		Overall width	b <sub>1</sub>	mm	1215/1250	1254/1313	1254/1313
4.22		Fork dimensions	s/e/l	mm	40/120/1000	45/120/1000	50/150/1000
4.23		Fork carriage DIN 15 173, class/type A, B			IIA	IIIA	IIIA
4.24		Fork-carriage width	b <sub>3</sub>	mm	1100	1100	1100
4.31		Ground clearance, with load, below mast	m <sub>1</sub>	mm	152	152	152
4.32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	170	170	170	
4.33	Aisle width for pallets 1000 x 1200 crossways	A <sub>st</sub>	mm	3911 <sup>1)</sup>	4022 <sup>1)</sup>	4305 <sup>1)</sup>	
4.34	Aisle width for pallets 800 x 1200 lengthways	A <sub>st</sub>	mm	4110 <sup>1)</sup>	4221 <sup>1)</sup>	4435 <sup>1)</sup>	
4.35	Turning radius	W <sub>a</sub>	mm	2250	2356	2510	
4.36	Internal turning radius	b <sub>13</sub>	mm	677	677	693	
Performance data	5.1	Travel speed, with/without load		km/h	20,0/21,0	20,0/21,0	20,0/21,0
	5.2	Lift speed, with/without load		m/s	0,49/0,51	0,47/0,51	0,45/0,50
	5.3	Lowering speed, with/without load		m/s	<0,59	<0,59	<0,59
	5.5	Drawbar pull, with/without load		N	17000/16100	17000/16400	17000/16400
	5.7	Gradeability, with/without load		%	25/31	21/28	18/26
	5.10	Service brake			Hydraulic	Hydraulic	Hydraulic
Combustion engine	7.1	Engine manufacturer/type			Kubota V3600/Toyota 4Y		
	7.2	Engine power acc. to ISO 1585		kW	44/37	44/37	44/37
	7.3	Rated speed		1/min	2200/2400	2200/2400	2200/2400
	7.4	No. of cylinders/displacement		cm <sup>3</sup>	4-3620/4-2237	4-3620/4-2237	4-3620/4-2237
Others	8.1	Type of drive control			Stepless hydrostatic	Stepless hydrostatic	Stepless hydrostatic
	8.2	Operating pressure for attachments		bar	180	180	180

1) With sideshift = +25 mm

2) SE

Performance data and dimensions are nominal and subject to tolerances. Specifications are subject to change without notice. Please obtain the latest specifications before contracting products.

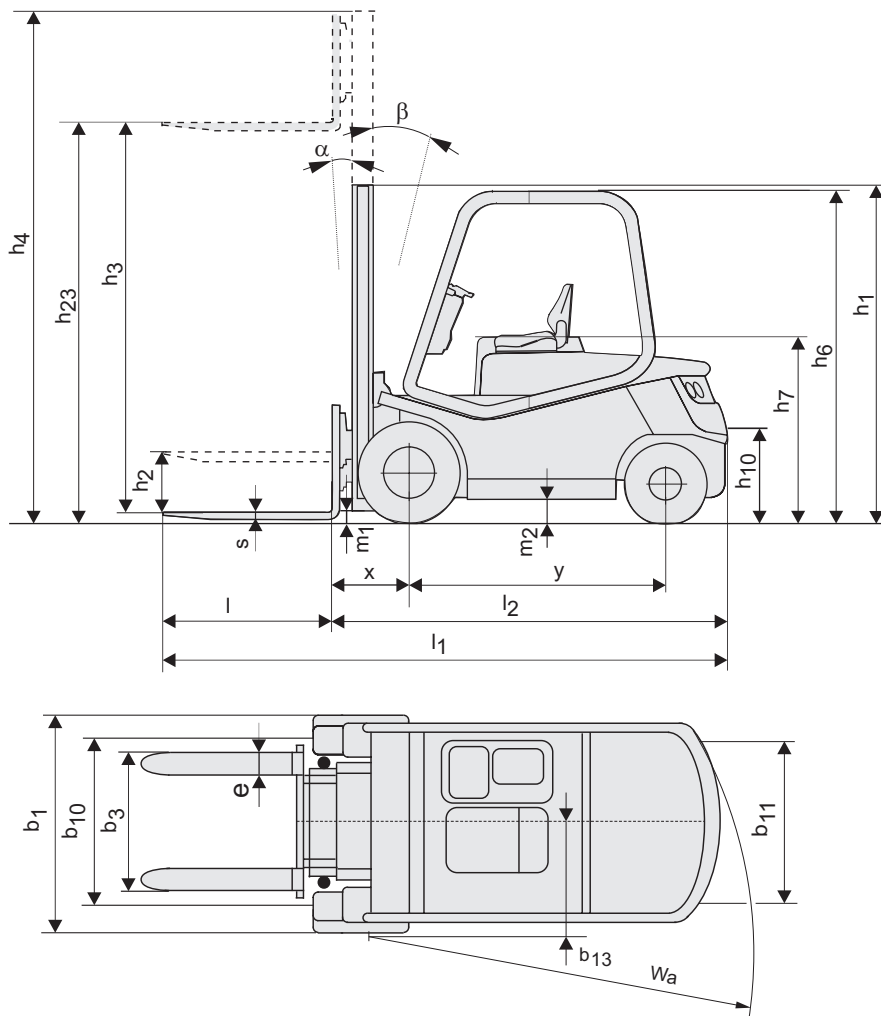
# Mast dimensions and rated capacities

# BT cargo

Mast			Duplex				Duplex FFL		Triplex				Triplex FFL				
C4D250D/ C4G250D	Lift height	$h_{23}$	3200	3700	4200	5000	2970	3200	4245	5005	5605	6805	4350	4500	5000	5600	6100
	Lift	$h_3$	3160	3660	4160	4960	2930	3160	4305	4965	5565	6765	4310	4460	4960	5560	6060
	Height, mast lowered	$h_1$	2252	2502	2752	3202	2132	2252	2132	2352	2552	3052	2132	2182	2352	2552	2752
	Height, mast extended	$h_4$	3805	4305	4805	5632	3625	3855	4972	5632	6232	7532	5005	5155	5655	6255	6755
	Free lift	$h_2$	100	100	100	100	1437	1557	45	45	45	45	1437	1487	1657	1857	2057

Mast			Duplex				Duplex FFL		Triplex				Triplex FFL				
C4D300D/ C4G300D	Lift height	$h_{23}$	3205	3705	4205	5005	2975	3205	4250	5010	5610	6810	4355	4505	5005	5605	6105
	Lift	$h_3$	3160	3660	4160	4960	2930	3160	4305	4965	5565	6765	4310	4460	4960	5560	6060
	Height, mast lowered	$h_1$	2252	2502	2752	3202	2132	2252	2132	2352	2552	3052	2132	2182	2352	2552	2752
	Height, mast extended	$h_4$	3833	4333	4833	5633	3626	3856	4978	5638	6238	7532	5006	5156	5656	6256	6756
	Free lift	$h_2$	100	100	100	100	1436	1556	45	45	45	45	1436	1486	1656	1856	2056

Mast			Duplex				Duplex FFL		Triplex				Triplex FFL				
C4D350D/ C4G350D	Lift height	$h_{23}$	3210	3710	4210	5010	2980	3210	4355	4015	5615	6815	4360	4510	5010	5610	6110
	Lift	$h_3$	3160	3660	4160	4960	2930	3160	4305	4965	5565	6765	4310	4460	4960	5560	6060
	Height, mast lowered	$h_1$	2252	2502	2752	3202	2132	2252	2132	2352	2552	3052	2132	2182	2352	2552	2752
	Height, mast extended	$h_4$	3833	4333	4833	5633	3626	3856	4978	5638	6238	7532	5006	5156	5656	6256	6756
	Free lift	$h_2$	100	100	100	100	1436	1556	45	45	45	45	1436	1486	1656	1856	2056



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## Standard equipment:

- Hydrostatic transmission
- Long forks (1000 mm)
- Tilting mast
- Side-shift
- Balanced pedals control
- Clear-view mast
- Driver detection system
- Adjustable steering wheel



TP-Technical Publications, Sweden — 745576-040, version 1, 1203

