



The Cargo C4D400E-500E are powerful and reliable high performance counterbalance fork lift trucks. With extreme strength built into every load-bearing component, the design features electronically-controlled hydrostatic transmission utilizing twin hydrostatic motors. Load capacities of 4000, 4500 and 5000kg and lift heights up to 6120mm.



Technical Details		C4D400E	C4D450E	C4D500E
Power unit		diesel	diesel	diesel
Operating type		driver seated	driver seated	driver seated
Rated capacity	kg	4000	4500	4900
Load centre	mm	500	500	500
Load per axle without load, front/rear	kg	3050/3200	3000/3640	3120/3880
Load per axle with load, front/rear	kg	9175/1075	9960/1180	10890/1010
Number of wheels, front/rear		2-4/2	2-4/2	2-4/2
Wheel type, front/rear <sup>1)</sup>		SE/PN/SE.TW/PN.TW	SE/PN/SE.TW/PN.TW	SE/PN/SE.TW/PN.TW
dimension, front		250-15/250-15/7.00-15/7.00-15	250-15/250-15/7.00-15/7.00-15	300-15/300-15/8.25-15/8.25-15
dimension, rear		250-15/250-15/250-15/250-15	250-15/250-15/250-15/250-15	250-15/250-15/250-15/250-15
Centre of wheels, front	mm	1186/1186/1422/1422	1186/1186/1422/1422	1230/1230/1448/1448
Centre of wheels, rear	mm	1110/1110/1110/1110	1110/1110/1110/1110	1110/1110/1110/1110
Fork arm carriage acc. to ISO-FEM		III A	III A	III A
Travel speed, without/with rated load	km/h	21/20	21/20	22/21
Service brake		hydraulic	hydraulic	hydraulic
Parking brake		hand brake	hand brake	hand brake
Lift speed, without/with rated load	m/s	0.55/0.50	0.55/0.46	0.50/0.42
Lowering speed, without/with rated load	m/s	< 0.6	< 0.6	< 0.6
Gradient, without/with rated load	%	23/26	23/24	20/18
Nom. draw-bar pull, without/with load		22000/30000	22000/30000	21000/28000
Weight, total	kg	6250	6640	7000
Engine: manufacturer, model		John Deere, 4045D	John Deere, 4045D	John Deere, 4045D
Continuous power	kW/hp	58/79	58/79	58/79
Number of revolutions		2000	2000	2000
Number of cylinders/displacement		4/4500	4/4500	4/4500
Model, gears		hydrostatic	hydrostatic	hydrostatic
Clutch, type		stepless	stepless	stepless
Working pressure for attachments		180	180	180

Dimensions, mm		C4D400E	C4D450E	C4D500E
x	Front axle to fork face	509 <sup>2)</sup>	509 <sup>2)</sup>	574 <sup>2)</sup>
y	Wheel base	1900	1900	1900
$\alpha/\beta$	Mast tilt forward/backward	5°/10°	5°/10°	5°/10°
h <sub>6</sub>	Height overhead guard	2480	2480	2530
h <sub>7</sub>	Height of driver's seat	1328	1328	1378
l <sub>2</sub>	Truck length incl. back of fork	2894 <sup>2)</sup>	2954 <sup>2)</sup>	3019 <sup>3)</sup>
b <sub>1</sub>	Chassis, width	1410 (1848) <sup>4)</sup>	1410 (1848) <sup>4)</sup>	1483 (1942) <sup>4)</sup>
s	Fork thickness	50	50	60
e	Fork width	150	150	150
l	Fork length	1000	1000	1000
m <sub>1</sub>	Floor clearance	150	150	150
m <sub>2</sub>	Floor clearance mid wheelbase	160	160	210
A <sub>st</sub>	Aisle width, mm	4417/ 4617 <sup>2)</sup>	4466/ 4666 <sup>2)</sup>	4531/ 4731 <sup>3)</sup>
W <sub>a</sub>	Pallet size 800x1200/1000x1200 <sup>5)</sup> Turning radius	2708	2757	2757

1) C = Cushion, SE = Superelastic, PN = Pneumatic, TW = Twin

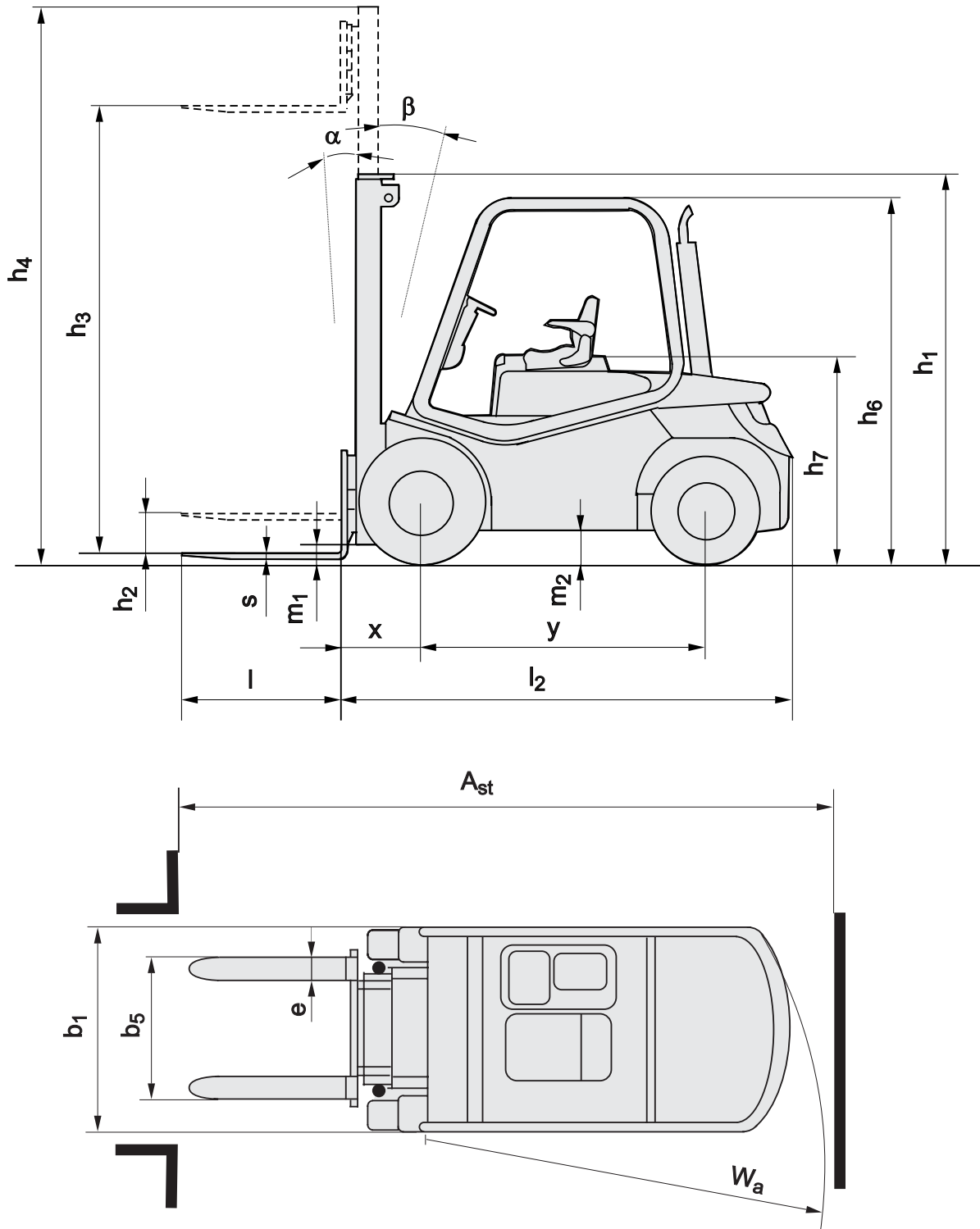
2) With side shift = +32mm

3) With side shift = +34mm

4) Figures in brackets = twin wheels

5) Shortside handling / longside handling

Mast, mm	Duplex		Duplex FFL			Triplex			Triplex FFL			
<b><math>h_3</math> Lift height</b>	<b>3150</b>	<b>3650</b>	<b>3150</b>	<b>3650</b>	<b>4150</b>	<b>4950</b>	<b>5550</b>	<b>6060</b>	<b>4300</b>	<b>4950</b>	<b>5550</b>	<b>6050</b>
<b>C4D400E, C4D450E</b>												
$h_1$ Height of mast, min.	2400	2650	2400	2650	2900	2500	2700	2900	2285	2500	2700	2900
$h_2$ Free lift	100	100	1552	1802	2052	75	75	75	1442	1657	1857	2057
$h_4$ Height of mast, max.	3955	4455	3998	4498	4998	5798	6398	6908	5143	5793	6393	6893
<b>C4D500E</b>												
$h_1$ Height of mast, min.	2450	2700	2450	2700	2950	2500	2750	2950	2335	2550	2750	2950
$h_2$ Free lift	100	100	1552	1802	2052	75	75	75	1442	1657	1857	2057
$h_4$ Height of mast, max.	4005	4505	4048	4548	5048	5848	6448	6958	5843	5848	6443	6943



Performance may vary due to motor and system efficiency tolerance and represents nominal values obtained under typical operating conditions.  
 BT Products AB products and specifications are subject to change without notice.  
 All data is based on VDI 2198.



- An exceptionally quiet counter balance fork lift truck with reduced fuel consumption from the latest generation diesel engines.
- Ergonomically designed controls. The rotating-switch controlled parking brake and the emergency button are within easy reach of the driver.
- Improved visibility and stability. Clear-view mast with high torsional rigidity to allow safe handling of loads of all sizes. Remote positioning of the tilt cylinder mountings provides excellent visibility and structural rigidity, even with the forks fully raised.
- Perfect interaction between hydrostatic transmission, engine and hydraulics — the performance of the truck can be electronically modified to match the requirements of the operator. Lifting acceleration is standard.
- Reduced maintenance for the no-wear-oil-bath brakes. Maximum reliability - whenever the accelerator pedal is released and the truck is stationary the negative brake application holds the truck in position, whether on level ground or on ramps.
- Highly efficient oil-water cooling system. The special construction technology and the optimum dimensions of the radiator ensure cooling system efficiency even in the most severe ambient conditions.

Truck features	C4D400E	C4D450E	C4D500E
Diesel engine	S	S	S
Hydrostatic transmission	S	S	S
Independent hydrostatic drive wheel motors	S	S	S
Tilting mast	S	S	S
Catalytic exhaust	O	O	O
Twin drive tyres	O	O	O
<b>Controls and instruments</b>			
Electronic programmable hydrostatic control	S	S	S
Hour meter	S	S	S
Lifting engine accelerator	S	S	S
Hydraulic steering	S	S	S
Sideshift	O	O	O
Balanced pedals control	O	O	O
<b>Safety features</b>			
Clear-view mast	S	S	S
Clear-view overhead guard	S	S	S
Driver detection system	S	S	S
Emergency cut-off	S	S	S
Hydrostatic brakes	S	S	S
Hydraulic parking brake	S	S	S
<b>Drivers compartment features</b>			
Adjustable seat with safety belt	S	S	S
Adjustable steering wheel	S	S	S
Enclosed cab with or without heating	O	O	O
<b>Maintenance features</b>			
Easy access for maintenance	S	S	S
Fault diagnosis facility	S	S	S
Oil bath brakes	S	S	S

S = Standard feature

O = Optional feature

— = Not available

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