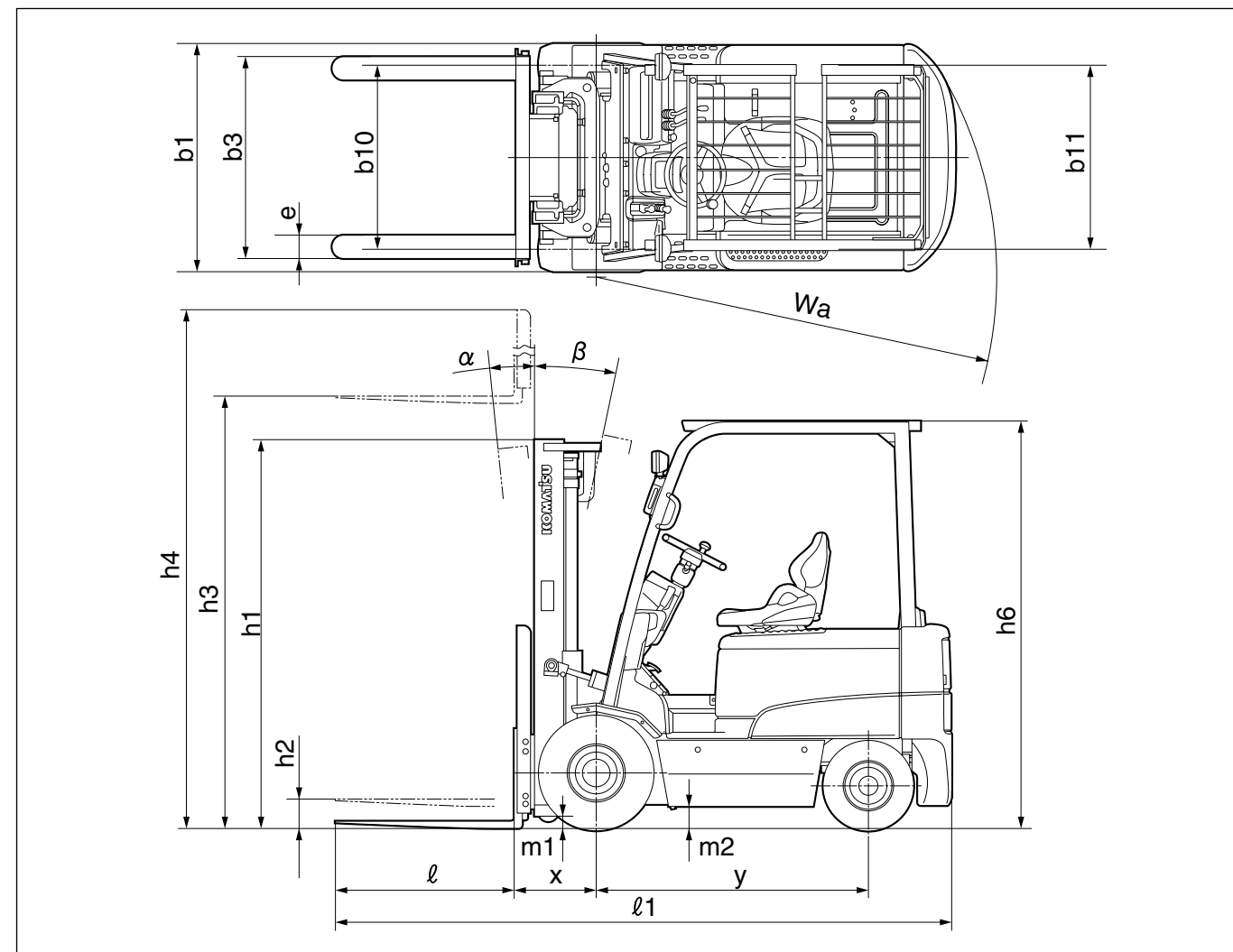


## Specifications

Characteristics	1.2 Model		Manufacturer's Designation					
		FB20EX-11	FB25EX-11	FB20EXG-11	FB25EXG-11			
1.3 Power Type	Electric, Diesel, Gasoline, LPG, cable		Electric	Electric	Electric	Electric		
1.4 Operation Type	Pedestrian, Driver standing, Sitting, Order picking		Sitting	Sitting	Sitting	Sitting		
1.5 Rated Capacity	Q	Rated Capacity	kg	2000	2500	2000	2500	
1.6 Load Center	c	Rated Load Center	mm	500	500	500	500	
1.6.1 Alternative Capacity	Q2	Capacity @600mm Load Center	kg	1800	2200	1800	2200	
1.8 Load Distance	x	Front Axle Center to Fork Face	mm	425	430	425	430	
1.9 Wheelbase	y		mm	1400	1400	1550	1550	
Weight	2.1 Service Weight	Including Min. Capacity Battery, See line 6.5		kg	3530	3960	4110	4260
	2.2	Loaded	Front	kg	4860	5735	4985	5795
	2.2.1		Rear	kg	670	725	1125	965
	2.3	Unloaded	Front	kg	1540	1520	1790	1800
	2.3.1		Rear	kg	1990	2440	2320	2460
Tyre	3.1 Tyre Type	Cushion, Elastic Cushion, Pneumatic, Polyurethane		Pneumatic	Pneumatic	Pneumatic	Pneumatic	
	3.2 Tyre Size	Front		23x9-10-16PR(I)	23x9-10-16PR(I)	23x9-10-16PR(I)	23x9-10-16PR(I)	
	3.3	Rear		18x7-8-16PR(I)	18x7-8-16PR(I)	18x7-8-16PR(I)	18x7-8-16PR(I)	
	3.5 Number of Wheel	Front/Rear(x=drive)		2x/2	2x/2	2x/2	2x/2	
	3.6 Tread, Front	b10	mm	940	940	940	940	
	3.7 Tread, Rear	b11	mm	950	950	950	950	
	4.1 Tilting Angle	$\alpha / \beta$	Forward/Backward	degree	6/12	6/12	6/12	6/12
Basic Measurement	4.2 Mast Height, Lowered	h1	2-stage Std. Mast	mm	1995	1995	1995	1995
	4.3 Std. Free Lift	h2	2-stage Std. Mast from Ground	mm	150	155	150	155
	4.4 Std. Lift Height	h3	2-stage Std. Mast from Ground	mm	3000	3000	3000	3000
	4.5 Mast Height, extended	h4	2-stage Std. Mast	mm	4050	4050	4050	4050
	4.7 Height, Overhead Guard	h6		mm	2100	2100	2225	2225
	4.19 Length, with Std. Forks	$\ell 1$		mm	3175	3365	3325	3480
	4.20 Length, to Fork Face	$\ell 2$		mm	2255	2295	2405	2410
	4.21 Width, at Tyre	b1	Single	mm	1165	1165	1165	1165
	4.22 Forks	s/e/l	Thickness/Width/Length	mm	36 x 122 x 920	40 x 122 x 1070	36 x 122 x 920	40 x 122 x 1070
	4.23 Fork Carriage Class	ISO 2328, Type A/B/no		ClassII, Type A	ClassII, Type A	ClassII, Type A	ClassII, Type A	ClassII, Type A
	4.24 Width, Fork Carriage	b3		mm	1020	1020	1020	1020
	4.31 Ground Clearance	m1	Under Mast	mm	110	110	110	110
	4.32	m2	at Center of Wheelbase	mm	115	115	115	115
	4.33 Right Angle Stacking Aisle	Ast	with L1000xW1200 pallet	mm	3425	3515	3515	3630
	4.34	Ast	with L1200xW800 pallet	mm	3625	3645	3715	3760
4.35 Turning Radius	Wa		mm	2000	2015	2090	2130	
Performance	5.1 Travel speed(FWD)	Loaded/Unloaded		km/h	14.5/16.5	14.0/16.0	14.5/16.5	14.0/16.0
	5.2 Lifting Speed	Loaded/Unloaded		mm/s	290/530	260/530	290/530	260/530
	5.3 Lowering Speed	Loaded/Unloaded		mm/s	450/500	450/500	450/500	450/500
	5.6 Max. Drawbar Pull	Loaded, 3min. rating		N	12700	12700	12700	12700
	5.8 Max. Gradeability	Loaded, 3min. rating/1.5km/h		%	19	16	19	16
	5.10 Service Brake	Operation/Control		Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic	Foot/Hydraulic
	5.10.1 Parking Brake	Operation/Control		Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical	Hand/Mechanical
	5.10.2 Steering	Type		Power Steering	Power Steering	Power Steering	Power Steering	Power Steering
	Drive	6.1 Drive Motor	60 min. rating	kW	10.3	10.3	10.3	10.3
		6.2 Pump Motor	5 min. rating	kW	10.0	10.0	10.0	10.0
6.2.1 PS Motor		60 min. rating	kW	0.6	0.6	0.6	0.6	
6.4 Battery Voltage			V	48	48	48	48	
6.4.1 Battery Capacity, Min.			Ah/5hr	450	565	935	935	
6.4.2 Battery Capacity, Max.			Ah/5hr	700	700	1080	1080	
6.5 Battery Weight	Min.Capacity Battery, See line 6.4.1		kg	820	925	1375	1375	
Others	8.1 Drive Motor Control		Transistor	Transistor	Transistor	Transistor	Transistor	
	8.2 Relief Pressure for Attachment		bar	177	177	177	177	
	8.2.1 Reservoir Capacity		Ltr	25	26	25	26	

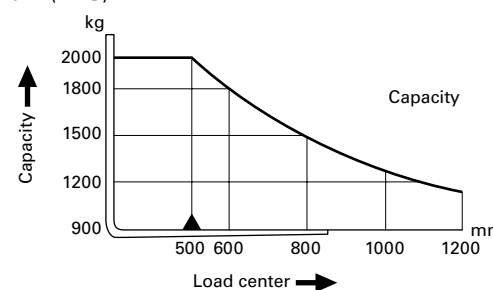
Performance may vary due to operating conditions. The performance shown represents nominal values under typical operating conditions. Specifications are subject to improvements and changes without notice.

## Dimension



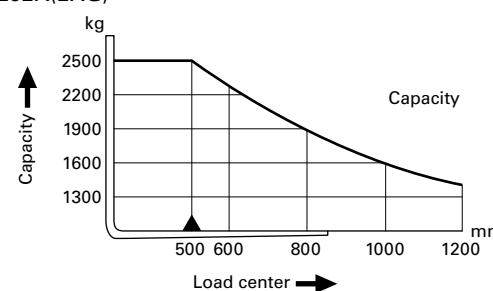
## Mast selection & Capacity chart

FB20EX(EXG)



Capacities shown are for trucks equipped with 2-stage view mast up through 4,000mm maximum fork height, 1020mm carriage, 920mm forks. Contact your distributor or dealer for capacity information with other equipment.

FB25EX(EXG)



Capacities shown are for trucks equipped with 2-stage view mast up through 4,000mm maximum fork height, 1020mm carriage, 1070mm forks. Contact your distributor or dealer for capacity information with other equipment.

FB20/25EX(G)-11

Maximum fork height (mm)	Overall height (mm)		Load capacity* (kg)		Free lift (mm) h2		Back tilt restriction $\beta$
	Lowered h1	Extended h4	FB20EX(G)	FB25EX(G)	FB20EX(G)	FB25EX(G)	
2-stage view mast**							
3000	1995	4050	2000	2500	150	155	12°
3300	2145	4350					
3500	2245	4550					
3700	2345	4750					
4000	2545	5050					
4300	2695	5350	1900	2300			6°
4500	2795	5550					
4700	2945	5750					
5000	3095	6050	1600	1800			
2-stage full free view mast***							
3000	1995	4060	2000	2500	990	995	10°
3300	2145	4360					
3500	2245	4560					
3700	2345	4760					
4000	2545	5060					
4300	1995	5380	1800	2050	1065	1070	6°
4500	2070	5580					
4700	2145	5780					
5000	2245	6080	1550	1650	1240	1245	
5500	2445	6580	1150	1250	1440	1445	
6000	2645	7080	850	950	1640	1645	

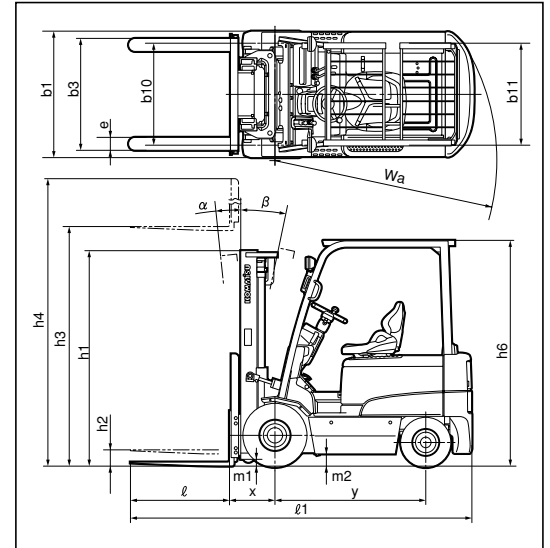
\* Load capacity at 500mm load center.  
 \*\* 1000mm height load backrest.  
 \*\*\* Free lift and overall height(extended) shown are for truck with load backrest.

Performance specifications are affected by the condition of the vehicle, and how it is equipped as well as the nature and condition of the operating area. If these specifications are critical, please discuss the proposed application with your distributor or dealer.

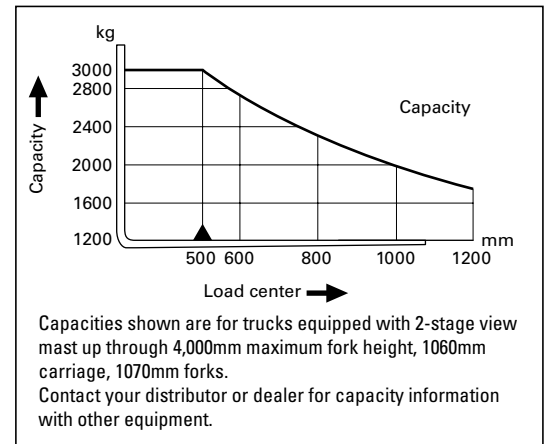
## Specifications

Characteristics	1.2	Model	Manufacturer's Designation		<b>FB30-11</b>	
	1.3	Power Type	Electric, Diesel, Gasoline, LPG, cable		Electric	
	1.4	Operation Type	Pedestrian, Driver standing, Sitting, Order picking		Sitting	
	1.5	Rated Capacity	Q	Rated Capacity	kg	3000
	1.6	Load Center	c	Rated Load Center	mm	500
	1.6.1	Alternative Capacity	Q2	Capacity @600mm Load Center	kg	2720
	1.8	Load Distance	x	Front Axle Center to Fork Face	mm	480
	1.9	Wheelbase	y		mm	1600
	Weight	2.1	Service Weight	Including Min. Capacity Battery, See line 6.5		kg
2.2		Axle Loading	Loaded	Front	kg	7030
2.2.1				Rear	kg	1060
2.3			Unloaded	Front	kg	2140
2.3.1				Rear	kg	2950
Tyre	3.1	Tyre Type	Cushion, Elastic Cushion, Pneumatic, Polyurethane		Pneumatic	
	3.2	Tyre Size	Front		28x9-15-14PR(I)	
	3.3		Rear		21x8-9-10PR(I)	
	3.5	Number of Wheel	Front/Rear(x=drive)		2x/2	
	3.6	Tread, Front	b10		mm	1005
Basic Measurement	4.1	Tilting Angle	$\alpha / \beta$	Forward/Backward	degree	6/10
	4.2	Mast Height, Lowered	h1	2-stage Std. Mast	mm	2015
	4.3	Std. Free Lift	h2	2-stage Std. Mast from Ground	mm	155
	4.4	Std. Lift Height	h3	2-stage Std. Mast from Ground	mm	3000
	4.5	Mast Height, extended	h4	2-stage Std. Mast	mm	4280
	4.7	Height, Overhead Guard	h6		mm	2215
	4.19	Length, with Std. Forks	$\ell 1$		mm	3590
	4.20	Length, to Fork Face	$\ell 2$		mm	2520
	4.21	Width, at Tyre	b1	Single	mm	1235
	4.22	Forks	s/e/ $\ell$	Thickness/Width/Length	mm	44x122x1070
	4.23	Fork Carriage Class	ISO 2328, Type A/B/no		Class III, Type A	
	4.24	Width, Fork Carriage	b3		mm	1060
	4.31	Ground Clearance	m1	Under Mast	mm	135
	4.32		m2	at Center of Wheelbase	mm	135
4.33	Right Angle Stacking Aisle	Ast	with L1000xW1200 pallet	mm	3695	
4.34		Ast	with L1200xW800 pallet	mm	3895	
4.35	Turning Radius	Wa		mm	2215	
Performance	5.1	Travel speed(FWD)	Loaded/Unloaded		km/h	12.0/14.0
	5.2	Lifting Speed	Loaded/Unloaded		mm/s	260/460
	5.3	Lowering Speed	Loaded/Unloaded		mm/s	400/450
	5.6	Max. Drawbar Pull	Loaded, 3min. rating		N	15000
	5.8	Max. Gradeability	Loaded, 3min. rating/1.5km/h		%	16
	5.10	Service Brake	Operation/Control		Foot/Hydraulic	
	5.10.1	Parking Brake	Operation/Control		Hand/Mechanical	
5.10.2	Steering	Type		EPS		
Drive	6.1	Drive Motor	60 min. rating	kW	9.7	
	6.2	Pump Motor	5 min. rating	kW	12.6	
	6.2.1	PS Motor	60 min. rating	kW	0.6	
	6.4	Battery Voltage		V	72	
	6.4.1	Battery Capacity, Min.		Ah/5hr	450	
	6.4.2	Battery Capacity, Max.		Ah/5hr	545	
6.5	Battery Weight	Min.Capacity Battery, See line 6.4.1		kg	1500	
Others	8.1	Drive Motor Control			MOSFET inverter	
	8.2	Relief Pressure for Attachment		bar	177	
	8.2.1	Reservoir Capacity		Ltr	30	

## Dimension



## Capacity chart



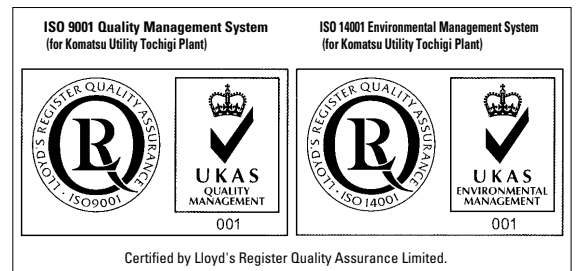
## Standard Equipment

- 2-stage free view mast (3m Lifting High) •Load backrest
- Over Headguard
- IMS (Intelligent Monitoring System)  
Hourmeter / Speedometer  
Battery discharge indicator / Self diagnosis
- HSS II seat with seat belt •Stow pocket & memo binder
- Floor mat •Drawbar pin •Telescopic-tiltable steering column
- Electric horn •Head lights •Turn signal lamps
- Rear combination lamps
- Traveling/Lifting Operator Presence Sensing (OPS) system (ISO 3691)

## Options

- Battery and charger •Back-up buzzer •Elastic cushion tyre
- Rear view mirror •Rear working light

For other options and attachments, please consult with your Komatsu dealer. Features and specifications may vary in different countries and regions. Please contact your Komatsu dealer to confirm machine details in your region. Forklift trucks in this catalog may be shown with optional equipment. Komatsu products and specifications are subject to change without notice. The performance values indicated herein represent nominal values obtained under typical operating conditions.



## Komatsu Utility Co., Ltd. FORKLIFT COMPANY

Head office: 2-4-1, Shiba-koen, Minato-ku, Tokyo 105-0011, Japan

URL: <http://www.komatsu-utility.com>

Fax: +81-3-3433-3120