

# Komatsu New AC 3.0 ton Electric Truck

Komatsu's new 3.0 ton AC powered electric truck joins the BE30 Series.

This multi-featured electric truck meets the needs of every customer. Complying with ISO 3691 regulation for safety, traveling & hydraulic OPS is standard equipped for increased safety and reliability.

Komatsu's original new 3.0 ton AC powered electric truck combines powerful operation with high performance resulting in increased productivity.



## Powerful AC Drive Motor

Increased operating time (6% more than the previous model).  
Lower maintenance cost (No brush and contactor replacements needed).

## High reliability controller

Komatsu controller exclusively designed and developed for maximum efficiency and reliability.  
Common control circuit already proven in the market on 2.0-2.5 ton trucks.

## IMS (Intelligent Monitoring System)

IMS performance characteristics can be set individually, custom-tailored to meet your specific needs.

### Performance setting categories

- Travel power
- Plugging settings
- Brake settings
- Soft start settings
- Accelerator settings
- Accelerator release brake settings
- Downslope settings
- Travel speed limit
- Speed alarm
- Odometer



**Intelligent  
Monitoring  
System**

## Safety design

Traveling & hydraulic OPS is equipped as standard (ISO3691).

## Comfortable design

Lower overhead guard design makes it possible to work inside an 8'6" container.

Large assist grip, open step, and lower floor designed for easy access to operator's seat.

## Lower noise level

Lower travel noise level (rated top-class in AC 3.0 ton truck market).

## Superior water resistance

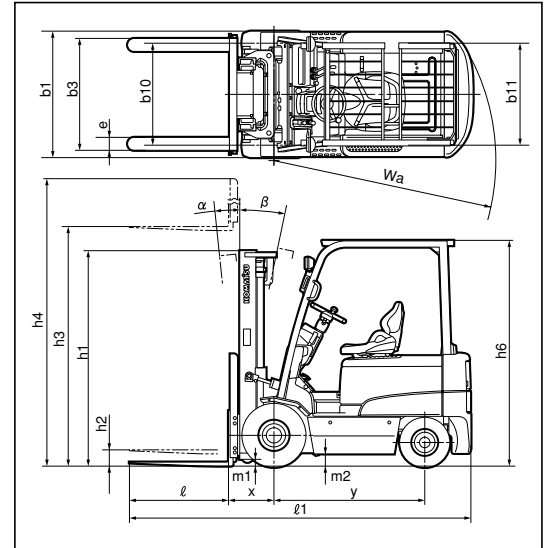
The BE30 Series truck features a layout designed to prevent water from reaching critical parts.

Connectors and switches are drip-proof with main controller components housed in a casing for maximum protection.

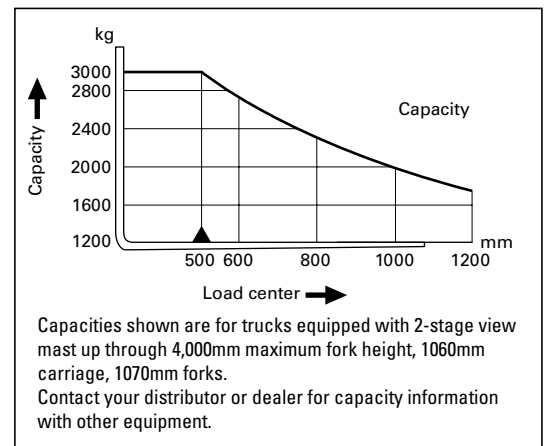
## Specifications

Characteristics	1.2	Model	Manufacturer's Designation		FB30-11
	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
	1.9	Wheelbase	y		mm 1600
Weight	2.1	Service Weight	Including Min. Capacity Battery, See line 6.5		kg 5090
	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	3.7	Tread, Rear	b11		mm 970
	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		Ast	with L1000xW1200 pallet	mm 3695
	4.34		Ast	with L1200xW800 pallet	mm 3895
Performance	4.35	Turning Radius	Wa		mm 2215
	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
	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
Others	6.5	Battery Weight	Min.Capacity Battery, See line 6.4.1		kg 1500
	8.1	Drive Motor Control			MOSFET inverter
	8.2	Relief Pressure for Attachment		bar	177
Others	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 system (ISO 3691)

## Options

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

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