FB10-15KRT PAC Series

Electric Counterbalance • 3 Wheel Pneumatic Tyres
24 Volt AC Power • **1.0 - 1.5 tonnes**

FB10KRT PAC
FB12KRT PAC
FB15KRT PAC

Ultra-compact and manoeuvrable... but with the qualities of a larger truck

With its ultra-compact design and incredible manoeuvrability, the remarkable FBKRT PAC series is unbeatable in confined working areas such as narrow warehouse aisles and containers. Equipped with a 24 volt battery and efficient AC motors, it's the perfect choice if you need an economical but productive truck for a few hours each day.

The FBKRT PAC is easy for anyone to operate, with the minimum of instruction, and despite its small size and price it shares many important qualities with the larger Mitsubishi electrics. These include powerful, smooth, quiet performance, high stability, excellent levels of operator comfort, ergonomics and safety… and full programmability to meet the needs of each driver and application.

Frame and body

- **Narrow chassis –** *and compact dimensions – allow excellent manoeuvrability and high productivity in the smallest of spaces.*
- **Low height** *allows use in containers, drive-in racking and other applications with restricted overhead clearance.*
- **Robust design** *ensures smooth, stable ride and excellent lift performance.*
- **Longitudinal bars** *maximise upward view through overhead guard.*

Mast and fork assembly

- **Exceptional visibility** *through revolutionary high-strength, clear-view mast maximises driver safety and output.*
- **Backrest as standard** *aids load stability.*

MITSUBISHI FORKLIFT TRUCKS

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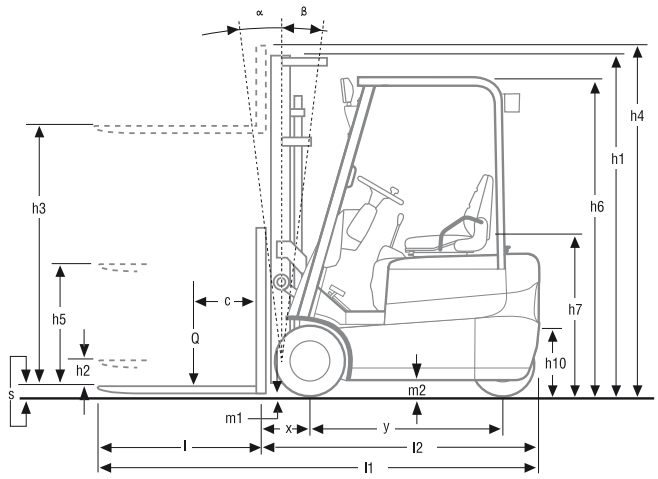
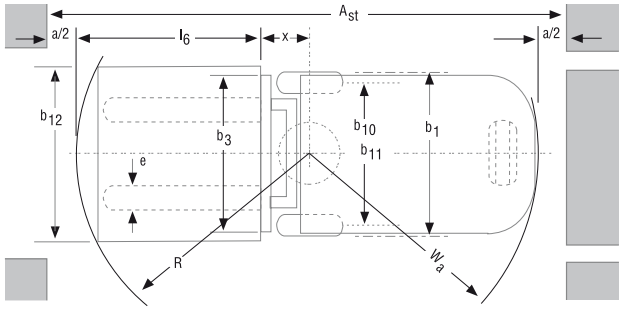
24 Volt AC Power • **1.0 - 1.5 tonnes**

	Characteristics					
1.1	Manufacturer (abbreviation)			Mitsubishi	Mitsubishi	Mitsubishi
1.2	Manufacturer's model designation			FB10KRT PAC	FB12KRT PAC	FB15KRT PAC
1.3	Power source: (battery, diesel, LP gas, petrol)			Battery	Battery	Battery
1.4	Operator type: pedestrian, (operator)-standing, -seated			Seated	Seated	Seated
1.5	Load capacity	Q	(kg)	1.000	1.250	1.500
1.6	Load center distance	c	(mm)	500	500	500
1.8	Load distance, axle to fork face	x	(mm)	330	330	330
1.9	Wheelbase	y	(mm)	1125	1125	1200
	Weight					
2.1	Truck weight, without load / including battery (simplex mast, lowest lift height)		kg	2354	2569	2775
2.2	Axle loading with maximum load, front/rear (simplex mast, lowest lift height)		kg	2857/497	3195/574	3731/544
2.3	Axle loading without load, front/rear (simplex mast, lowest lift height)		kg	1119/1235	1109/1460	1194/1581
	Wheels, Drive Train					
3.1	Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front/rear			SE/SE	SE/SE	SE/SE
3.2	Tyre dimensions, front			18 x 7-8	18 x 7-8	18 x 7-8
3.3	Tyre dimensions, rear			18 x 7-8	18 x 7-8	18 x 7-8
3.5	Number of wheels, front/rear (x=driven)			2/1x	2/1x	2/1x
3.6	Track width (center of tyres), front	b10	(mm)	840	840	840
3.7	Track width (center of tyres), rear	b11	(mm)	-	-	-
	Dimensions					
4.1	Mast tilt, forwards/backwards	α/β	°	5/7	5/7	5/7
4.2	Height with mast lowered (see tables)	h1	(mm)	2110	2110	2110
4.3	Free lift (see tables)	h2	(mm)	80	80	80
4.4	Lift height (see tables)	h3	(mm)	3300	3300	3300
4.5	Overall height with mast raised	h4	(mm)	3895	3895	3895
4.7	Height to top of overhead guard	h6	(mm)	2015(1965)	2015(1965)	2015(1965)
4.8	Seat height	h7	(mm)	928	928	928
4.12	Tow coupling height	h10	(mm)	410	410	410
4.19	Overall length	l1	(mm)	2500	2500	2575
4.20	Length to fork face (includes fork thickness)	l2	(mm)	1700	1700	1775
4.21	Overall width	b1/b2	(mm)	997	997	997
4.22	Fork dimensions (thickness, width, length)	s / e / l	(mm)	35x80x800	35x80x800	35x80x800
4.23	Fork carriage to DIN 15 173 A/B/no			2A	2A	2A
4.24	Fork carriage width	b3	(mm)	920	920	920
4.31	Ground clearance under mast, with load	m1	(mm)	80	80	80
4.32	Ground clearance at center of wheelbase, with load (forks lowered)	m2	(mm)	100	100	100
4.33	Working aisle width with 1000 x1200 mm pallets, crosswise	Ast	(mm)	3030	3030	3104
4.34	Working aisle width with 800 x1200 mm pallets, crosswise	Ast	(mm)	2850	2850	2925
4.35	Turning circle radius	Wa	(mm)	1370	1370	1445
4.36	Minimum distance between centers of rotation	b13	(mm)	0	0	0
	Performance					
5.1	Travel speed, with/without load		km/h	11.5/13.5	11.2/13	11/12.5
5.2	Lifting speed, with/without load		m/s	0.29/0.48	0.27/0.48	0.26/0.48
5.3	Lowering speed, with/without load		m/s	0.52/0.50	0.52/0.50	0.52/0.50
5.5	Rated drawbar pull, with/without load		N	1706/1991	1569/1937	1435/1876
5.6	Maximum drawbar pull, with/without load (5 min short duty)		N	5327/5621	5190/5558	5056/5497
5.7	Gradeability, with/without load		%	9.6/15.1	8.1/13.6	6.9/12.3
5.8	Maximum gradeability, with/without load		%	16.4/25.1	14.0/22.6	12.2/20.6
5.9	Acceleration time (10 metres) with/without load		s	5.9/5.6	6.0/5.7	6.1/5.7
5.10	Service brakes (mechanical/hydraulic/electric/pneumatic)			Hydraulic	Hydraulic	Hydraulic
	Electric motors					
6.1	Drive motor capacity (60 min. short duty)		kW	5	5	5
6.2	Lift motor output at 15% duty factor		kW	6.5	6.5	6.5
6.3	Battery to DIN 43 531/35/36 A/B/C/no			43 535A	43 535A	43 535A
6.4	Battery voltage/capacity at 5-hour discharge		V /Ah	24 / 720	24 / 720	24 / 840
6.5	Battery weight		kg	524	524	600
6.6	Energy consumption according to VDI 60 cycle		kWh/h	-	-	-
	Miscellaneous					
8.1	Type of drive control			Impuls / AC	Impuls / AC	Impuls / AC
8.2	Maximum operating pressure for attachments		bar	143	143	143
8.3	Oil flow for attachments		l/min	-	-	-
8.4	Noise level, value at operator's ear (EN 12053)		dB(A)	60.7	60.7	60.7
8.5	Towing coupling design / DIN type, ref.			-	-	-



h1 Height with mast lowered
h2 Standard free lift
h3 Lift height
h4 Height with mast raised
h5 Full free lift
Q Lifting capacity, rated load
c Load centre (distance)



Ast = Wa + x + R + a
Ast = Working aisle width
Wa = Turning radius
a = Safety clearance = 2 x 100 mm
R = $\sqrt{(l6 + x)^2 + (b12 / 2)^2}$
l6 = Pallet length (800 or 1000 mm)
b12 = Pallet width (1200 mm)

Mast Performance and Capacity

	FB10KRT PAC, FB12KRT PAC, FB15KRT PAC					FB10KRT PAC	FB12KRT PAC	FB15KRT PAC
Mast Type	h3 mm	h1 mm	h4 mm	h2 mm	h5 mm	Q,@500 kg	Q,@500 kg	Q,@500 kg
Simplex	2000	1460	3045	80	-	1000	1250	1500
	2560	1740	3605	80	-	1000	1250	1500
	2760	1840	3805	80	-	1000	1250	1500
	3000	1960	4045	80	-	1000	1250	1500
	3290	2105	4335	80	-	1000	1250	1500
	3720	2365	4765	80	-	1000	1250	1500
	4090	2550	5135	80	-	950	1200	1450
	4480	2755	5525	80	-	950	1150	1400
	5000	3015	6045	80	-	850	900 (1100*)	1000 (1350*)
	5500	3265	6545	80	-	850	850 (1050*)	950 (1250*)
	6000	3515	7045	80	-	450 (800*)	500 (850*)	600 (950*)
Duplex	3000	1960	4045	-	915	1000	1250	1500
	3295	2105	4340	-	1060	1000	1250	1500
	3700	2365	4745	-	1320	1000	1250	1500
	4030	2550	5075	-	1505	950	1200	1450
Triplex	3710	1760	4755	-	715	1000	1250	1500
	4010	1860	5055	-	815	950	1200	1450
	4310	1960	5355	-	915	950	1150	1400
	4750	2105	5795	-	1060	900	1100	1350
	5090	2225	6135	-	1180	850	1100	1300
	5490	2365	6535	-	1320	800	850 (1050*)	950 (1250*)
	5990	2550	7035	-	1505	800	850 (1000*)	950 (1200*)

* lifting capacity with wide tread option

Battery compartment		FB10KRT PAC	FB12KRT PAC	FB15KRT PAC
Length (min)	mm	830	830	830
Width (min)	mm	381	381	435
Height (min)	mm	627	627	627
Minimum weight	kg	524	524	600

MITSUBISHI FORKLIFT TRUCKS

Drive

- **Powerful AC drive motor** *provides high torque – even at fast speeds – for rapid acceleration, and smooth, quiet, controlled operation.*
- **Controlled rolldown** *allows safe use of truck on gradients.*
- **High energy efficiency of AC motor** *– together with highly efficient energy recycling through strong regenerative braking – means longer shifts and less recharging.*

Steering system

- **Hydrostatic power steering** *means smooth, precise control with minimal effort, whatever the truck's speed.*
- **Power from hydraulic system** *eliminates need for separate steering motor – reducing noise and maintenance requirements.*
- **Small turning circle** *– truck can turn within its own dimensions – allows operation in very tight spaces.*
- **Steering on demand** *means energy for steering is only used when the steering wheel is activated - saving energy.*

Hydraulics

- **Powerful AC hydraulic motor** *provides high torque for rapid but smooth – and controlled – lifting and lowering.*

Electrical and control systems

- **New generation control system** *adjusts acceleration, travel speed, lift/lower speed and braking to suit the load, application and driver – for great versatility.*
- **Performance setting** *– including pre-set modes – allows instant programming without special tools.*
- **Laptop or PC connection to control system** *allows great refinement in programming and data analysis.*
- **On-board diagnostics and fault memory folder** *keep operator and service engineer aware of any problems, speed up servicing and help prevent damage.*
- **Integrated Presence System** *provides a parking brake alarm, a seat belt warning light and a hydraulic and travel interlock system for added safety.*

Operator compartment and controls

- **Ergonomic operator compartment** *– equipped with adjustable steering column, short and easily reached hydraulic levers and other carefully positioned controls – reduces driver fatigue and increases precision.*
- **Low step –** *together with non-slip surfaces and grab handle – gives easy on-off access from both sides.*
- **Auto-style pedals** *are easy to use – and give good control without leg strain.*
- **Clear display** *alerts drivers and service engineers to potential problems – helping to avoid damage and encourage maintenance.*

Other features

- **Long service interval** *– 500 hours – and lower maintenance requirements of AC motors, brakes, CAN-bus electrical system and other components reduces downtime and bills.*
- ***Rapid access* features** *give quick and easy entry to all areas for checks and maintenance.*

Options

- **Full-suspension seat**
- **Low overhead guard**
- **Range of tyres**
- **Wide-tread tyres**
- **Road lights**

when **reliability** *is* **everything**

Developed for outstanding performance and genuine value for money, the awardwinning* range of Mitsubishi forklift trucks and warehouse equipment is built to a higher specification to maximize productivity and ensure utter reliability... whatever the application.

It's what you'd expect from one of the world's largest corporations whose companies are at the leading edge of technologies where performance, quality and dependability can never be compromised.

It means that, from a single safe source, we can meet 98% of all handling requirements, supplied to you via a range of competitive finance options including outright purchase, rental or leasing.
So your local dealer can advise you on precisely the right product for your application... and your budget.

Moreover, because we understand how much you depend on your Mitsubishi forklift truck, we deliver the highest levels of customer support.

Through a network of carefully selected dealerships, we provide quality maintenance and customer care programmes including a choice of warranties that give complete peace of mind. Every dealership holds extensive stocks of manufacturer-approved parts, backed by a central store that holds literally millions of items constantly in stock and achieves a first-pick fulfilled rate of 97%. So your truck can be fixed first time, virtually every time.

** Mitsubishi Forklift Trucks has won **four** separate Fork Lift Truck Association Annual Awards for Excellence covering the areas of **Ergonomics**, the **Environment** and **Innovation**.*

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mitforklift@mcfe.nl
www.mitforklift.com