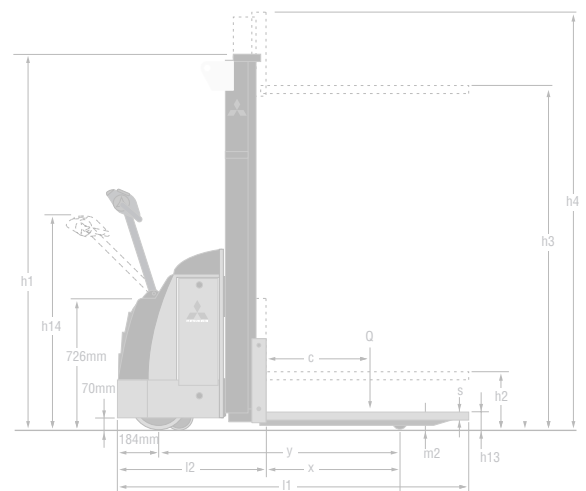




Pedestrian Stackers



SBP10K
SBP12K
SBP12KI
SBP16K
SBP16KI

Characteristics							
1.1	Manufacturer		Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
1.2	Model		SBP10K	SBP12K	SBP12KI	SBP16K	SBP16KI
1.3	Power source (Electric, Diesel, Petrol, Gas)		Battery	Battery	Battery	Battery	Battery
1.4	Operating mode (pedestrian, stand-on, sit-on)		Pedestrian	Pedestrian	Pedestrian	Pedestrian	Pedestrian
1.5	Nominal capacity / load	Q (kg)	1000	1200	1200	1600	1600
1.6	Load centre	c (mm)	600	600	600	600	600
1.8	Load wheel axle to fork face (forks lowered)	x (mm)	788	630	931	630	928
1.9	Wheelbase (forks lowered)	y (mm)	1306	1134	1485	1206	1558
Weights							
2.1	Truck weight (with nominal load & battery)	kg	1800	1950	1950	2515	2515
2.2	Axle loadings (with nominal load & battery), drive/load side	kg	525/1275	600/1350	600/1350	750/1765	750/1765
2.3	Axle loadings (without load & with battery), drive/load side	kg	585/215	560/190	560/190	710/205	710/205
Wheels & Tyres							
3.1	Tyres (R- rubber / Vul- vulkollan), drive/load side		Vul/Vul	Vul/Vul	Vul/Vul	Vul/Vul	Vul/Vul
3.2	Load wheel dimensions (diameter x width)		85x90	85x90	85x90	85x75	85x75
3.3	Drive wheel dimensions (diameter x width)		230x70	230x70	230x70	230x70	230x70
3.4	Castor wheel dimensions (diameter & width)		150x50	150x50	150x50	150x50	150x50
3.5	No. of wheels (x = driven), drive/load side		1+1x/2	1+1x/2	1+1x/2	1+1x/4	1+1x/4
3.6	Track width (centre of tyres), load side	b10 (mm)	375	385	385	385	385
3.7	Track width (centre of tyres), drive side	b11 (mm)	506	506	506	506	506
Dimensions							
4.2	Lowered mast height	h1 (mm)	2005	2035	2140	2035	2140
4.3	Free lift (see tables)	h2 (mm)	55	110	110	110	110
4.4	Lift	h3 (mm)	2815	2815	2815	2815	2815
4.5	Raised mast height	h4 (mm)	3400	3400	3505	3400	3505
4.6	Initial lift (option)	h5 (mm)	-	-	115	-	115
4.9	Height of tiller arm in travel position (min./max.)	h14 (mm)	860/1350	860/1350	860/1350	860/1350	860/1350
4.15	Fork height, fully lowered	h13 (mm)	85	85	90	85	90
4.19	Overall length	l1 (mm)	1852	1838	1888	1910	1964
4.20	Powerhead length (to fork face)	l2 (mm)	702	688	738	760	814
4.21	Chassis (overall width)	b1/b2 (mm)	800	800	800	800	800
4.22	Fork dimensions (thickness, width, length)	s,e,l (mm)	64/165/1150	65/165/1150	65/175/1150	65/165/1150	65/175/1150
4.24	Forkcarriage width	b3 (mm)	566	684	684	684	684
4.25	Outside width over forks	b5 (mm)	540	550	560	550	560
4.32	Ground clearance @ centre of wheelbase (forks lowered)	m2 (mm)	20	20	20	20	20
4.34	Working aisle width (Ast) 800 x 1200 mm load, lengthwise	Ast (mm)	2354	2306	2437	2377	2510
4.35	Turning radius (forks lowered)	Wa (mm)	1580	1410	1755	1481	1826
Performance							
5.1	Travel speed, laden / unladen	km/h	5,4/6,0	5,4/6,0	5,4/6,0	5,3/6,0	5,3/6,0
5.2	Lifting speed, laden / unladen	m/s	0,19/0,22	0,12/0,22	0,12/0,22	0,12/0,21	0,12/0,21
5.3	Lowering speed, laden / unladen	m/s	0,26/0,26	0,26/0,26	0,26/0,26	0,28/0,26	0,28/0,26
5.8	Maximum gradeability, laden / unladen	%	8,0/15,0	8,0/15,0	8,0/15,0	8,0/15,0	8,0/15,0
5.10	Service brake (mechanical, hydraulic, electric)		Electric	Electric	Electric	Electric	Electric
Motors							
6.1	Drive motor (S2 60 min)	kW	0,8	0,8	0,8	0,8	0,8
6.2	Lift motor (S3)	kW/%	2,0/6	2,0/6	2,0/6	3,0/15	3,0/15
6.4	Battery voltage / capacity (5 hr. rating)	V/Ah	24/170	24/170	24/170	24/345	24/345
6.5	Battery weight	kg	150	150	150	275	275
Miscellaneous							
8.1	Speed control type		Stepless	Stepless	Stepless	Stepless	Stepless

Advanced features for maximum productivity

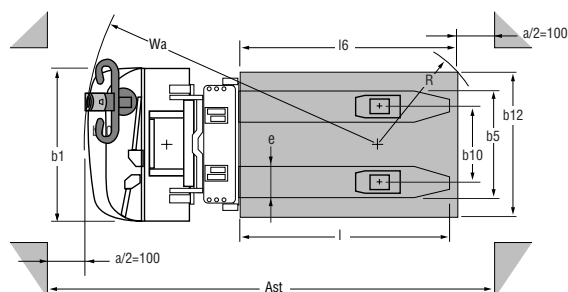
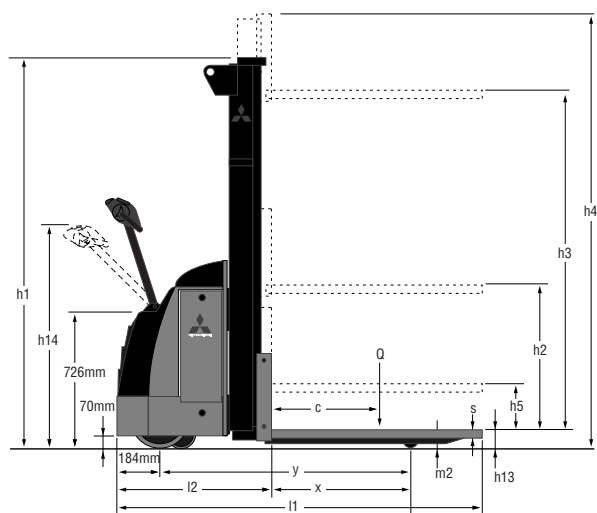
- smoothly contoured, ergonomic tiller arm for precise and comfortable operation. Incorporates all controls and the safety button
- short powerhead length and narrow overall chassis width enables efficient handling
- well designed forks with tapered tips ensure smooth pallet entry and exit
- latest technology MOSFET controller features adjustable acceleration, speed and braking to suit a variety of applications
- the separately excited traction motor optimises torque for excellent traction and ramp performance
- regenerative braking speeds up work cycles, extends battery life and protects components from premature wear
- the battery roller system enables rapid battery exchange
- On the SBP16K the lift and lowering speed can be controlled stepless. The other models have a fixed lift speed and two lowering speeds

Options available

- tiller arm lock bypass
- rubber drive wheel
- on-board charger unit with automatic cable reel
- multifunction display unit with hour meter, battery indicator and fault diagnostics
- wide variety of fork options
- straddle leg carrier for versatility, eg: handling bottom boarded pallets

SBP10K • SBP12K • SBP12KI • SBP16K • SBP16KI

1.0t • 1.2t • 1.2t • 1.6t • 1.6t



$$Ast = Wa + R + a$$

$$Ast = Wa + \sqrt{(l6 - x)^2 + (b12 / 2)^2} + a$$

Ergonomic design of the tiller arm for ease of operation, precise control and exceptional comfort

Stacking is an essential and critical part of the materials handling process. With all controls neatly grouped around the driver's hands, truck manoeuvres are precise and goods are handled promptly. Transport around the shipping floor is efficient and stacking operations are sure.



Mitsubishi pedestrian stacker trucks : comfort, speed and productivity, all in one

The ergonomic tiller arm and extremely compact powerhead contribute to a comfortable operation. The very narrow chassis allows for optimum space utilisation - particularly critical when high manoeuvrability is required, for instance when working on board road vehicles, in block stacking applications or congested areas.

The MOSFET controller and separately excited traction motor ensures optimised torque for efficient power in all operations.

Regenerative braking enables braking energy to return to the battery and thus extend shift life. This function also eliminates excessive heat buildup which protects components from premature wear. Braking is assured when travel direction is reversed or when the accelerator is released, even when stopping on a ramp.

The **SBP12KI/SBP16KI** has an initial lift for improved flexibility with different pallet models and makes it possible to handle two loads simultaneously.

Designed for fast turnaround and ease of service

Mitsubishi stacker trucks are designed to ensure that service checks and routine maintenance can be carried out quickly.



*When reliability
is everything...*



Mast Performance and Capacity

Mast Type	SBP10K			
	h3+h13 mm	h1 mm	h4 mm	h2+h13 mm
Simplex	1500	1980	1980	1500
Duplex	2900	2005	3400	140

Mast Type	SBP12K/SBP16K				SBP12KI/SBP16KI			
	h3+h13 mm	h1 mm	h4 mm	h2+h13 mm	h3+h13 mm	h1 mm	h4 mm	h2+h13 mm
Simplex	1500	1950	1950	1500	1505	2055	2055	1505
Duplex Hi-Vis	2500	1835	3000	195	2505	1940	3105	200
	2900	2035	3400	195	2905	2140	3505	200
	3300	2235	3800	195	3305	2340	3905	200
	3600	2385	4100	195	3605	2490	4205	200
	4300*	2735	4800	195	4305**	2840	4905	200
Duplex Free-lift	2500	1835	3000	1355	2505	1940	3105	1360
	2900	2035	3400	1555	2905	2140	3505	1560
	3300	2235	3800	1755	3305	2340	3905	1760
	3600	2385	4100	1905	3605	2490	4205	1910
	4300*	2735	4800	2255	4305**	2840	4905	2260
Triplex	4100*	1955	4640	—	4105**	2060	4745	—
	4300*	2020	4840	—	4305**	2125	4945	—
Triplex Free-lift	4100*	1955	4640	1475	4105**	2060	4745	1480
	4300*	2020	4840	1540	4305**	2125	4945	1545

* = Only SBP16K
 ** = Only SBP16KI
 h3 + h13 = Lifting height
 h1 = Lowered mast height
 h4 = Raised mast height
 h2 + h13 = Free lift

**With Mitsubishi,
the choice is easy...**

At Mitsubishi Forklift Trucks, we have a code of conduct based on quality and reliability. It's guiding philosophy is to achieve 100% performance and 0% downtime. Our trucks are built to a higher specification to ensure utter reliability, whatever the application.

Whether in research, engineering, manufacturing, distribution or regional support, we have established standards which guarantee that when you have to depend on a warehouse truck, you can depend on Mitsubishi.

At Mitsubishi Forklift Trucks product reliability and customer satisfaction are not just vague concepts. They are a permanent state-of-mind.



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NOTE: Performance specifications may vary depending on standard manufacturing tolerances, vehicle condition, types of tyres, floor or surface conditions, applications, or operating environment. Trucks may be shown with non-standard options. Specific performance requirements and locally available configurations should be discussed with your Mitsubishi Lift Truck Distributor. Mitsubishi follows a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.