MOVE THE WORLD FORWARD

MITSUBISHI HEAVY INDUSTRIES GROUP

AXIA ES (1.0 - 1.6 TONS)

PEDESTRIAN STACKERS

SBP10-16N2(I)(R)(S)/SBP12PC Series

WHEN
RELIABILITY IS
EVERYTHING...

MITSUBISHI FORKLIFT TRUCKS

MAXIMISE YOUR STORAGE... MINIMISE YOUR EFFORT

Engineered to transform your storage capabilities, our compact **AXiA ES** stackers allow you to work productively – even in the tightest of spaces.

It's all possible, thanks to this high visibility model's compact powerhead, narrow chassis and ergonomic tiller arm. **AXiA ES** is a perfect fit for your operators, too. The dual controls on the tiller arm make it suitable for left or right handed users. Its offset design maximise vision and safety.

AXiA ES lets you work more versatilely, too. Whether you need to fill shelves, block stack, pick or simply transport internally, **AXiA ES** is your perfect partner.

For operation on ramps and uneven floors, initial lift (i) models are the best choice. A straddle leg version is available for handling bottom-boarded pallets up to a width of 1200 mm. Foldable platforms for occasional ride-on use are available on the 1.2 to 1.6 tonne stackers.

FRAME AND BODY

- **Low centre of gravity** aids stability, for safe operation.
- **High-visibility design** maximises view of fork tips and working area.
- **Ground clearance** is only 20 mm – making foot trapping unlikely.
- **Sealed chassis** offers protection against dirt, dust and other particles to reduce wear.
- **Water-resistant design** diverts splashed moisture away from key electrical components, for long truck life.
- **Chill store design** down to 1˚C , with rust-proof axles (only available on SBP12PC).

SBP12PC

OPERATOR ENVIRONMENT AND CONTROLS

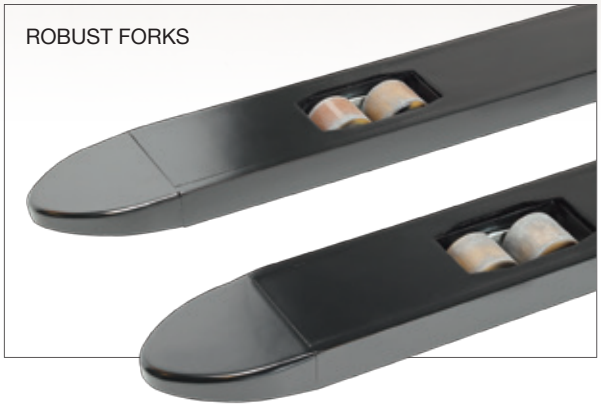
- **Left-handed or right-handed controls** are possible, thanks to the versatile tiller arm.
- **Easy-to-operate tiller arm** features large, easy-use buttons so operators can focus on the task in hand.
- **Micro-computer** including hour meter and battery indicator and cut out (only available on SBP12PC).

LEFT-HANDED OR
RIGHT-HANDED CONTROLS

MAST AND FORK ASSEMBLY

- **Tapered forks** enhance safety, while offering quicker and easier access to pallets in racks or block stacks.
- **Robust forks** with welded construction, and rounded tips for effortless pallet entry, give extra strength and durability.

ROBUST FORKS



WORK WITH GREATER PRODUCTIVITY

ELECTRICAL AND CONTROL SYSTEMS

- **Programmable controller** adjusts acceleration, travel speed and braking to suit the application and operator – for greater versatility.
- **PIN-code access** prevents unauthorised use of the truck (standard on SBP12PC, option on the other models).
- **Performance setting** including pre-set modes – allows instant programming without special tools.
- **Battery rollers** make changes quick, easy and safe.
- **Battery discharge indicator** prevents deep discharge and allows for use to be monitored.

DRIVE

- **Powerful AC drive motor** gives excellent traction and ramp performance, as well as smooth, quiet, controlled operation, extended shift length and lower maintenance requirements.
- **Oil-filled, sealed transmission** is shock-resistant, quiet and requires little maintenance (only available on SBP12PC).

BRAKES

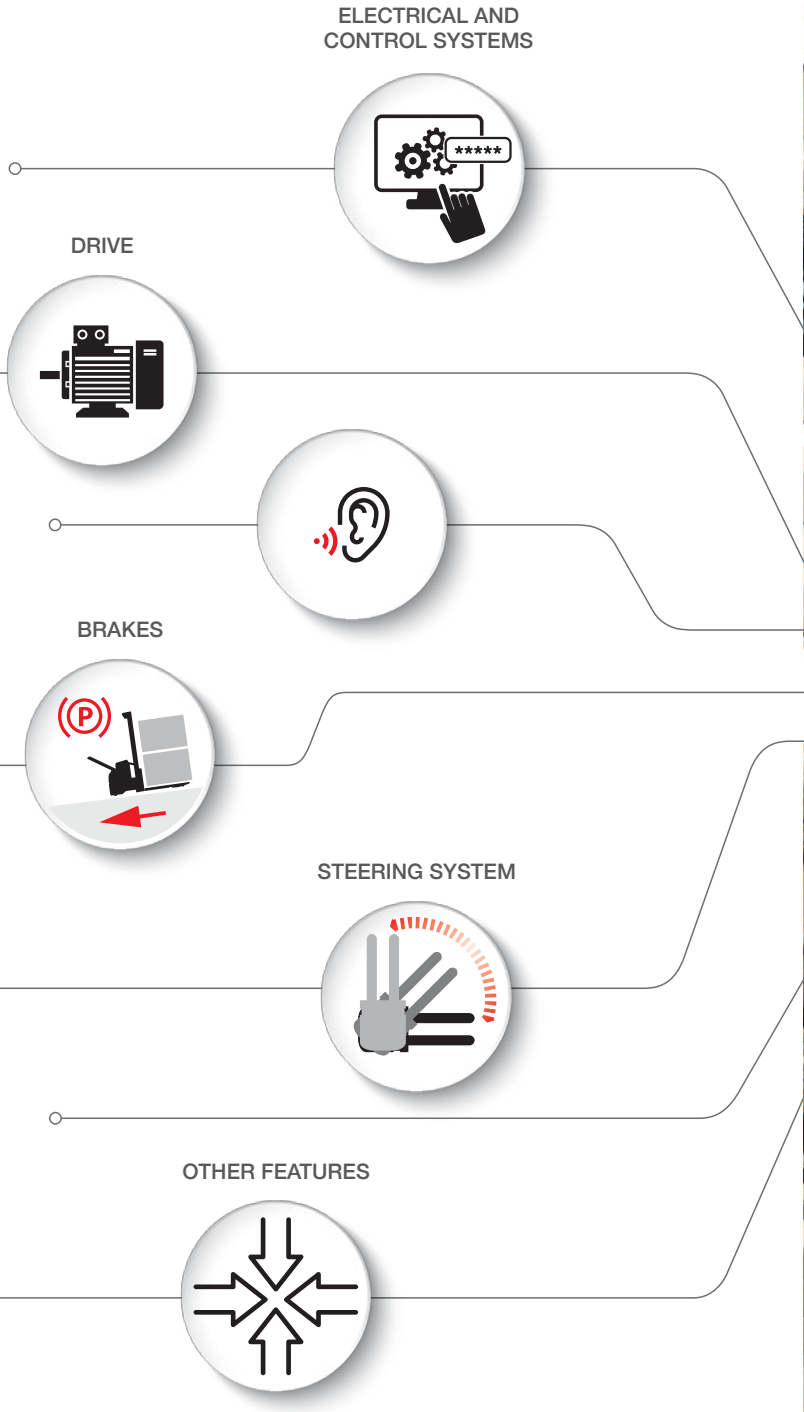
- **Parking brake** is automatically activated, when necessary, for extra safety on ramps.

STEERING SYSTEM

- **Small turning circle** together with compact chassis and excellent visibility means exceptional manoeuvrability.

OTHER FEATURES

- **Rapid access features** give quick and easy entry to all areas for checks and servicing.




SMALL TURNING CIRCLE

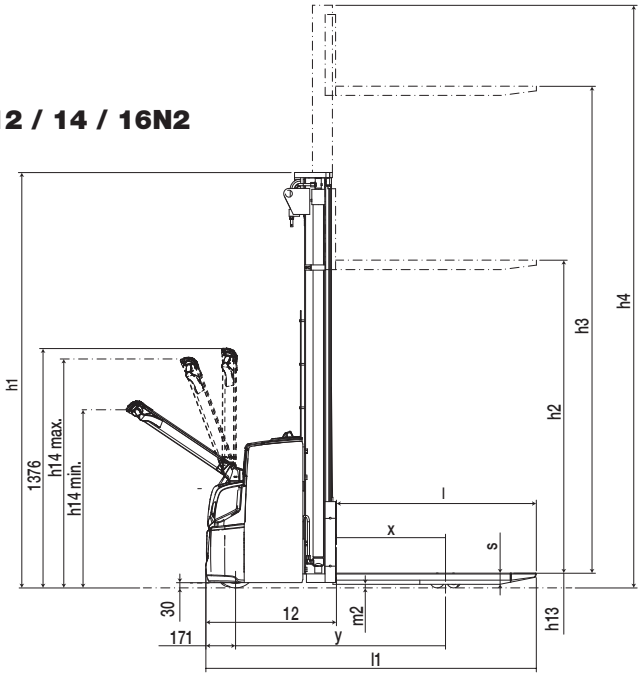
SPECIFICATIONS

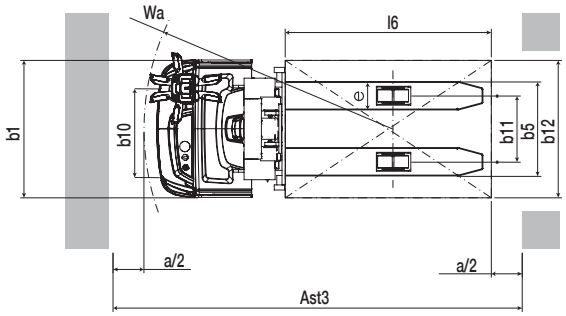
	CHARACTERISTICS				
1	Manufacturer			Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks
2	Manufacturer's model designation			SBP12PC	SBP10N2
3	Power source			Electric	Electric
4	Operator type			Pedestrian	Pedestrian
5	Load capacity	Q	kg	1250	1000
6	Load center distance	c	mm	600	600
7	Load wheel axle to fork face (forks lowered)	x	mm	950	625
8	Wheelbase	y	mm	1473	1141
	WEIGHT				
9	Truck weight without load, with maximum battery weight		kg	775	820
10	Axle loadings with nominal load & maximum battery weight, drive / load side		kg	875 / 1150	740 / 1080
11	Axle loadings without load & with maximum battery weight, drive / load side		kg	575 / 200	605 / 215
	WHEELS, DRIVE TRAIN				
12	Tyres: PT = Power Thane, Vul = Vulkollan, P = Polyurethane, N = Nylon, R = Rubber drive / load side			Vul / Vul	Vul / Vul
13	Tyre dimensions, drive side		mm	230 × 70	230 × 70
14	Tyre dimensions, load side		mm	85 × 99	85 × 90
15	Castor wheel dimensions (diameter x width)		mm	140 × 60	125 × 60
16	Number of wheels, load / drive side (x = driven)			1 + 1x /2	1 + 1x /2
17	Track width (center of tyres), drive side	b10	mm	382	517
18	Track width (center of tyres), load side	b11	mm	355	385
	DIMENSIONS				
19	Height	h1	mm	1400 / 1550	see tables
20	Free lift	h2	mm	–	see tables
21	Lift height	h3	mm	1700 / 2000	see tables
22	Height with mast extended	h4	mm	2145 / 2445	see tables
23	Initial lift	h5	mm	–	–
24	Height of tiller arm / steering console (min./max.)	h14	mm	913 / 1368	1050 / 1372
25	Fork height, fully lowered	h13	mm	90	90
26	Overall length	l1	mm	1877	1836
27	Length to fork face	l2	mm	677	686
28	Overall width	b1/b2	mm	660	800
29	Fork dimensions (thickness, width, length)	s/e/l	mm	65 / 185 / 1200	56 / 186 / 1150
30	Fork carriage width	b3	mm	–	752
31	Outside width over forks (minimum / maximum)	b5	mm	540	570
32	Inner width of support legs	b4	mm	–	–
33	Ground clearance at center of wheelbase, (forks lowered)	m2	mm	25	20
34	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise	Ast	mm	NA	–
35	Working aisle width (Ast3) with 1000 x 1200 mm pallets, load crosswise	Ast3	mm	NA	–
36	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise, platform up/down	Ast	mm	–	2291
37	Working aisle width (Ast3) with 1000 x 1200 mm pallets, load crosswise, platform up/down	Ast3	mm	–	1958
38	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast	mm	2507	–
39	Working aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise	Ast3	mm	2285	–
40	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down	Ast	mm	–	2283
41	Working aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise, platform up/down	Ast3	mm	–	2158
42	Turning radius	Wa	mm	1835	1383
	PERFORMANCE				
43	Travel speed, with / without load		km/h	5.7 / 6	6.0 / 6.0
44	Lifting speed, with / without load		m/s	0.10 / 0.20	0.12 / 0.26
45	Lowering speed, with / without load		m/s	0.11 / 0.12	0.35 / 0.40
46	Gradeability, with / without load		%	7 / 19	–
47	Maximum gradeability with / without load		%	–	8 / 15
48	Acceleration time (10 metres) with / without load		s	7.60 / 6.76	–
49	Service brakes (mechanical / hydraulic / electric / pneumatic)			Electric	Electric
	ELECTRIC MOTORS				
50	Drive motor capacity (60 min. short duty)		kW	1.3	1.0
51	Lift motor output at 15% duty factor		kW	2.35	2.2
52	Battery voltage/capacity at 5-hour discharge		V/Ah	24 / 150-230	24 / 150
53	Battery weight		kg	140 - 215	151
54	Energy consumption according to EN16796		kWh/h	–	–
	MISCELLANEOUS				
55	Type of drive control			Stepless	Stepless
56	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ		dB(A)	74.6 +/- 0.7	–
57	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ		dB(A)	–	60 / 60 / 41
58	Whole-body vibration (EN 13 059:2002)			–	–
59	Hand-arm vibration (EN 13 059:2002)			–	< 2.5

Continuing improvement may lead to changes in these specifications.

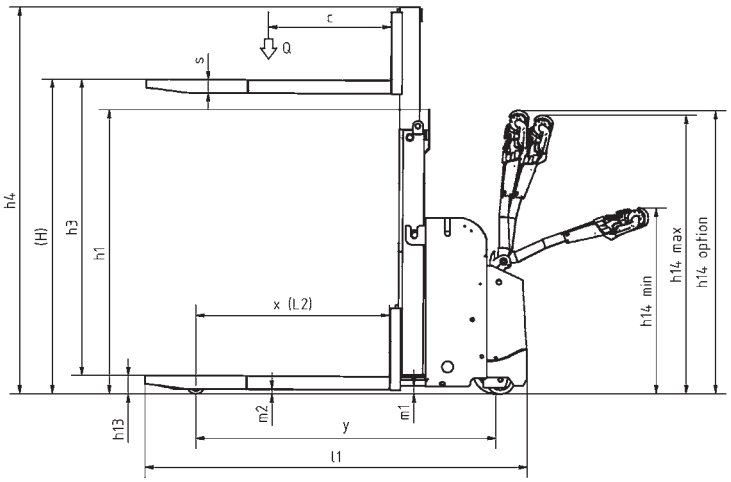
	Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks
	SBP12N2	SBP14N2	SBP16N2
	Electric	Electric	Electric
	Pedestrian	Pedestrian	Pedestrian
	1200	1400	1600
	600	600	600
	600	625	625
	1205	1205	1205
	1205	1220	1225
	830 / 1575	835 / 1785	835 / 1990
	820 / 385	825 / 395	825 / 400
	Vul / Vul	Vul / Vul	Vul / Vul
	230 × 70	230 × 70	230 × 70
	85 × 90	85 × 75	85 × 75
	125 × 60	125 × 60	125 × 60
	1 + 1 x / 2	1 + 1 x / 4	1 + 1 x / 4
	517	517	517
	385	385	385
	see tables	see tables	see tables
	see tables	see tables	see tables
	see tables	see tables	see tables
	see tables	see tables	see tables
	-	–	–
	1050 / 1372	1050 / 1372	1050 / 1372
	90	90	90
	1900	1900	1900
	750	750	750
	800	800	800
	56 / 186 / 1150	56 / 186 / 1150	56 / 186 / 1150
	752	752	752
	570	570	570
	–	-	–
	20	20	20
	–	–	–
	–	–	–
	2355	2355	2355
	2022	2022	2022
	–	–	–
	–	–	–
	2347	2347	2347
	2222	2222	2222
	1447	1447	1447
	6.0 / 6.0	6.0 / 6.0	6.0 / 6.0
	0.12 / 0.26	0.12 / 0.26	0.14 / 0.27
	0.35 / 0.40	0.35 / 0.40	0.35 / 0.40
	–	–	–
	8 / 15	8 / 15	8 / 15
	–	–	–
	Electric	Electric	Electric
	1.0	1.0	1.0
	2.2	2.2	3.2
	24 / 150-250	24 / 150	24 / 250 - 375
	151 - 212	212	212 - 294
	–	–	–
	Stepless	Stepless	Stepless
	–	–	–
	60 / 60 / 41	60 / 60 / 41	70 / 72 / 41
	–	-	-
	< 2.5	< 2.5	< 2.5

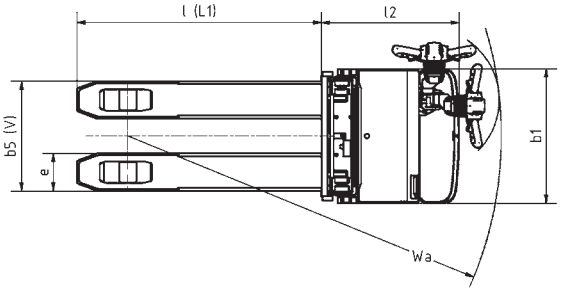
SBP10 / 12 / 14 / 16N2





SBP12PC





Wa = Turning radius
l6 = Pallet length
x = Load wheel axle to fork face
b12 = Pallet width
a = Safety clearance = 2 x 100 mm

Ast = Working aisle width
Ast3 = Working aisle width (b12 <1000 mm)
Ast = $Wa + \sqrt{(l6 - x)^2 + (b12 / 2)^2} + a$
Ast3 = Wa + l6 -x +a

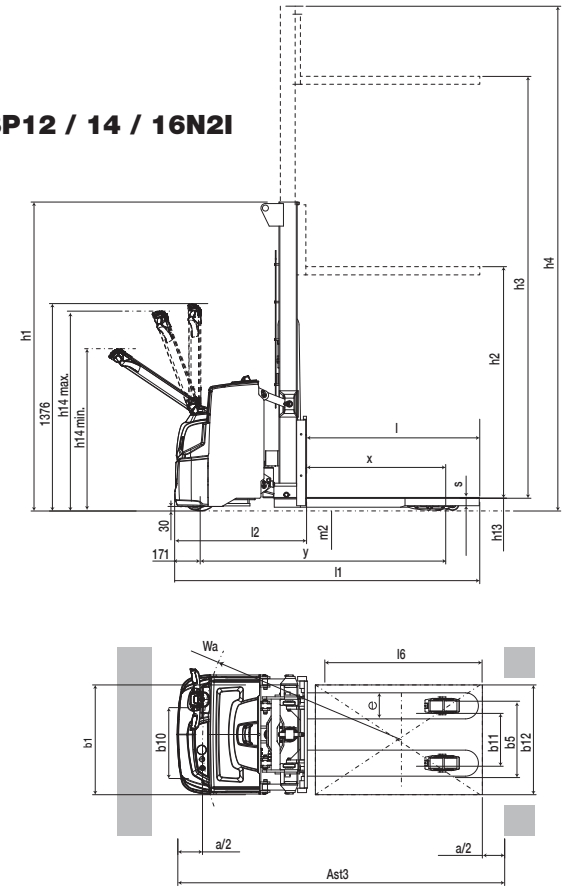
SPECIFICATIONS

	CHARACTERISTICS				
1	Manufacturer			Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks
2	Manufacturer's model designation			SBP12N2(I)	SBP14N2(I)
3	Power source			Electric	Electric
4	Operator type			Pedestrian	Pedestrian
5	Load capacity	Q	kg	1200	1400
6	Load center distance	c	mm	600	600
7	Load wheel axle to fork face (forks lowered)	x	mm	625 (925)	625 (925)
8	Wheelbase	y	mm	1205 (1615)	1205 (1615)
	WEIGHT				
9	Truck weight without load, with maximum battery weight		kg	1205 (1350)	1220(1395)
10	Axle loadings with nominal load & maximum battery weight, drive / load side		kg	830(1180) / 1575(1370)	835(1240) / 1785(1555)
11	Axle loadings without load & with maximum battery weight, drive / load side		kg	820(955) / 385(395)	825(970) / 395(425)
	WHEELS, DRIVE TRAIN				
12	Tyres: PT = Power Thane, Vul = Vulkollan, P = Polyurethane, N = Nylon, R = Rubber drive / load side			Vul / Vul	Vul / Vul
13	Tyre dimensions, drive side		mm	230 × 70	230 × 70
14	Tyre dimensions, load side		mm	85 × 90	85 × 75
15	Castor wheel dimensions (diameter x width)		mm	125 × 60	125 × 60
16	Number of wheels, load / drive side (x = driven)			1 + 1x /2	1 + 1x /4
17	Track width (center of tyres), drive side	b10	mm	517	517
18	Track width (center of tyres), load side	b11	mm	385	385
	DIMENSIONS				
19	Height	h1	mm	see tables	see tables
20	Free lift	h2	mm	see tables	see tables
21	Lift height	h3	mm	see tables	see tables
22	Height with mast extended	h4	mm	see tables	see tables
23	Initial lift	h5	mm	- (115)	- (115)
24	Height of tiller arm / steering console (min./max.)	h14	mm	1050 / 1372	1050 / 1372
25	Fork height, fully lowered	h13	mm	90	90
26	Overall length	l1	mm	1900 (2007)	1900 (2007)
27	Length to fork face	l2	mm	750 (857)	750 (857)
28	Overall width	b1/b2	mm	800	800
29	Fork dimensions (thickness, width, length)	s/e/l	mm	56 / 186 / 1150	56 / 186 / 1150
30	Fork carriage width	b3	mm	752	752
31	Outside width over forks (minimum / maximum)	b5	mm	570	570
32	Inner width of support legs	b4	mm	–	–
33	Ground clearance at center of wheelbase, (forks lowered)	m2	mm	20	20
34	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise	Ast	mm	–	–
35	Working aisle width (Ast3) with 1000 x 1200 mm pallets, load crosswise	Ast3	mm	–	–
36	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise, platform up/down	Ast	mm	2355 (2653)	2355 (2653)
37	Working aisle width (Ast3) with 1000 x 1200 mm pallets, load crosswise, platform up/down	Ast3	mm	2022 (2123)	2022 (2123)
38	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast	mm	–	–
39	Working aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise	Ast3	mm	–	–
40	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down	Ast	mm	2347 (2533)	2347 (2533)
41	Working aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise, platform up/down	Ast3	mm	2222 (2323)	2222 (2323)
42	Turning radius	Wa	mm	1447 (1848)	1447 (1848)
	PERFORMANCE				
43	Travel speed, with / without load		km/h	6.0 / 6.0	6.0 / 6.0
44	Lifting speed, with / without load		m/s	0.12 / 0.26	0.12 / 0.26
45	Lowering speed, with / without load		m/s	0.35 / 0.40	0.35 / 0.40
46	Gradeability, with / without load		%	–	–
47	Maximum gradeability with / without load		%	8 / 15	8 / 15
48	Acceleration time (10 metres) with / without load		s	–	–
49	Service brakes (mechanical / hydraulic / electric / pneumatic)			Electric	Electric
	ELECTRIC MOTORS				
50	Drive motor capacity (60 min. short duty)		kW	1.0	1.0
51	Lift motor output at 15% duty factor		kW	2.2	2.2
52	Battery voltage/capacity at 5-hour discharge		V/Ah	24 / 150-250	24 / 250
53	Battery weight		kg	151-212	212
54	Energy consumption according to EN16796		kWh/h	–	–
	MISCELLANEOUS				
55	Type of drive control			Stepless	Stepless
56	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ		dB(A)	–	–
57	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ		dB(A)	60 / 60 / 41	60 / 60 / 41
58	Whole-body vibration (EN 13 059:2002)			–	–
59	Hand-arm vibration (EN 13 059:2002)			< 2.5	< 2.5

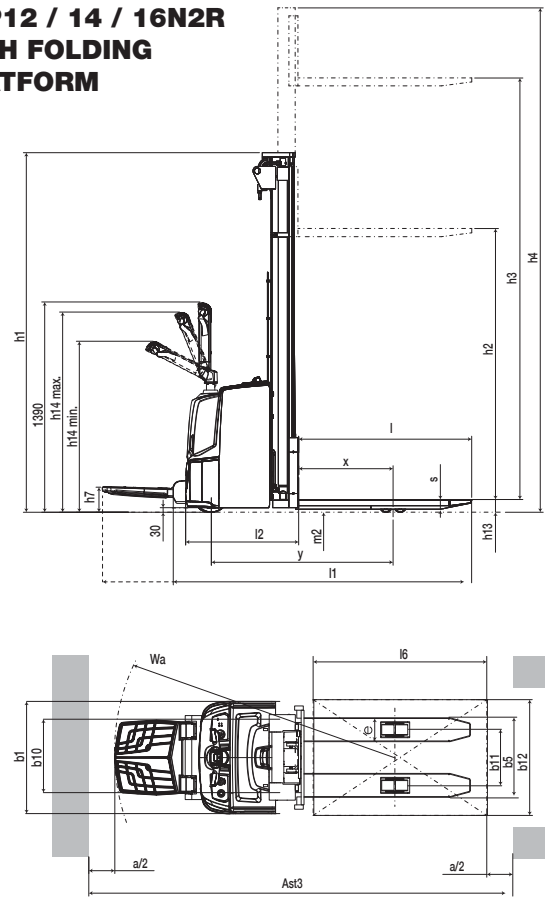
Continuing improvement may lead to changes in these specifications.

Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks
SBP16N2(I)	SBP12N2R	SBP14N2R	SBP16N2R
Electric	Electric	Electric	Electric
Pedestrian	Pedestrian / Stand-on	Pedestrian / Stand-on	Pedestrian / Stand-on
1600	1200	1400	1600
600	600	600	600
625 (925)	625	925	925
1205 (1615)	1205	1615	1615
1225(1400)	1245	1435	1440
835(1275) / 1990(1725)	870 / 1575	1280 / 1555	1315 / 1725
825(970) / 400(430)	860 / 385	1010 / 425	1010 / 430
Vul / Vul	Vul / Vul	Vul / Vul	Vul / Vul
230 × 70	230 × 70	230 × 70	230 × 70
85 × 75	85 × 90	85 × 75	85 × 75
125 × 60	125 × 60	125 × 60	125 × 60
1 + 1x /4	1 + 1x /2	1 + 1x /4	1 + 1x /4
517	517	517	517
385	385	385	385
see tables	see tables	see tables	see tables
see tables	see tables	see tables	see tables
see tables	see tables	see tables	see tables
see tables	see tables	see tables	see tables
- (115)	115	115	115
1050 / 1372	1150 / 1350	1150 / 1350	1150 / 1350
90	90	90	90
1900 (2007)	2127 / 2607	2127 / 2607	2127 / 2607
750 (857)	977 / 1457	977 / 1457	977 / 1457
800	800	800	800
56 / 186 / 1150	56 / 186 / 1150	56 / 186 / 1150	56 / 186 / 1150
752	752	752	752
570	570	570	570
–	–	–	–
20	20	20	20
–	–	–	–
–	–	–	–
2355 (2653)	2773 / 3253	2773 / 3253	2773 / 3253
2022 (2123)	2243 / 2723	2243 / 2723	2243 / 2723
–	–	–	–
–	–	–	–
2347 (2533)	2653 / 3133	2653 / 3133	2653 / 3133
2222 (2323)	2443 / 2923	2443 / 2923	2443 / 2923
1447 (1848)	1968 / 2448	1968 / 2448	1968 / 2448
6.0 / 6.0	6.0 / 6.0	6.0 / 6.0	6.0 / 6.0
0.14 / 0.27	0.12 / 0.26	0.12 / 0.26	0.14 / 0.27
0.35 / 0.40	0.35 / 0.40	0.35 / 0.40	0.35 / 0.40
–	–	–	–
8 / 15	8 / 15	8 / 15	8 / 15
–	–	–	–
Electric	Electric	Electric	Electric
1.0	1.0	1.0	1.0
3.2	2.2	2.2	3.2
24 / 250-375	–	–	–
212-294	24 / 150 - 250	24 / 250	24 / 250-375
–	151 - 212	212	212-294
Stepless	Stepless	Stepless	Stepless
–	–	–	–
70 / 72 / 41	60 / 60 / 41	60 / 60 / 41	70 / 72 / 41
–	0.8	0.8	0.8
< 2.5	< 2.5	< 2.5	< 2.5

SBP12 / 14 / 16N2I



SBP12 / 14 / 16N2R WITH FOLDING PLATFORM



Wa = Turning radius
l6 = Pallet length
x = Load wheel axle to fork face
b12 = Pallet width
a = Safety clearance = 2 x 100 mm

Ast = Working aisle width
Ast3 = Working aisle width (b12 <1000 mm)
Ast = $Wa + \sqrt{(l6 - x)^2 + (b12 / 2)^2} + a$
Ast3 = Wa + l6 -x +a

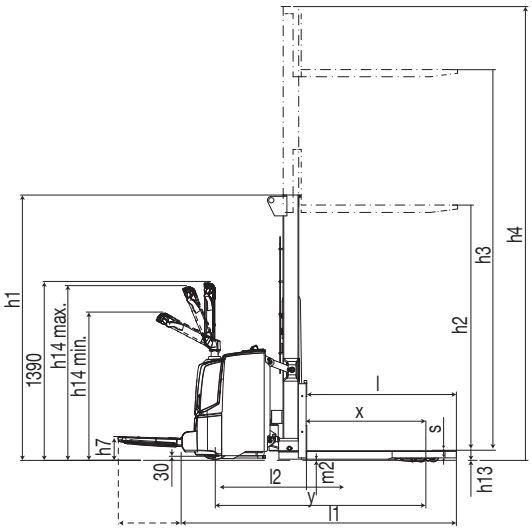
SPECIFICATIONS

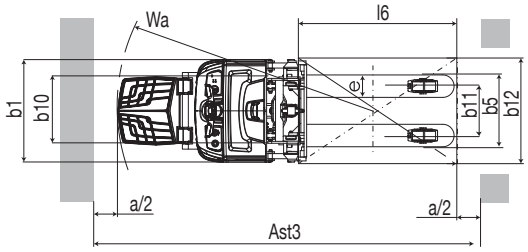
	CHARACTERISTICS					
1	Manufacturer			Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks
2	Manufacturer's model designation			SBP12N2(I)R	SBP14N2(I)R	SBP16N2(I)R
3	Power source			Electric	Electric	Electric
4	Operator type			Pedestrian	Pedestrian	Pedestrian
5	Load capacity	Q	kg	1200	1400	1600
6	Load center distance	c	mm	600	600	600
7	Load wheel axle to fork face (forks lowered)	x	mm	625 (925)	625 (925)	625 (925)
8	Wheelbase	y	mm	1205 (1615)	1205 (1615)	1205 (1615)
	WEIGHT					
9	Truck weight without load, with maximum battery weight		kg	1245 (1390)	1260 (1435)	1265 (1440)
10	Axle loadings with nominal load & maximum battery weight, drive / load side		kg	870 (1220) / 1575 (1370)	875 (1280) / 1785 (1555)	875 (1315) / 1990 (1725)
11	Axle loadings without load & with maximum battery weight, drive / load side		kg	860 (995) / 385 (395)	865 (1010) / 395 (425)	865 (1010) / 400 (430)
	WHEELS, DRIVE TRAIN					
12	Tyres: PT = Power Thane, Vul = Vulkollan, P = Polyurethane, N = Nylon, R = Rubber drive / load side			Vul / Vul	Vul / Vul	Vul / Vul
13	Tyre dimensions, drive side		mm	230 × 70	230 × 70	230 × 70
14	Tyre dimensions, load side		mm	85 × 90	85 × 75	85 × 75
15	Castor wheel dimensions (diameter x width)		mm	125 × 60	125 × 60	125 × 60
16	Number of wheels, load / drive side (x = driven)			1 + 1x /2	1 + 1x /4	1 + 1x /4
17	Track width (center of tyres), drive side	b10	mm	517	517	517
18	Track width (center of tyres), load side	b11	mm	385	385	385
	DIMENSIONS					
19	Height	h1	mm	see tables	see tables	see tables
20	Free lift	h2	mm	see tables	see tables	see tables
21	Lift height	h3	mm	see tables	see tables	see tables
22	Height with mast extended	h4	mm	see tables	see tables	see tables
23	Initial lift	h5	mm	- (115)	- (115)	- (115)
24	Height of tiller arm / steering console (min./max.)	h14	mm	1150 / 1350	1150 / 1350	1150 / 1350
25	Fork height, fully lowered	h13	mm	90	90	90
26	Overall length	l1	mm	2020 (2127) / 2500 (2607)	2020 (2127) / 2500 (2607)	2020 (2127) / 2500 (2607)
27	Length to fork face	l2	mm	870(977)/1350(1457)	870(977)/1350(1457)	870(977)/1350(1457)
28	Overall width	b1/b2	mm	800	800	800
29	Fork dimensions (thickness, width, length)	s/e/l	mm	56 / 186 / 1150	56 / 186 / 1150	56 / 186 / 1150
30	Fork carriage width	b3	mm	752	752	752
31	Outside width over forks (minimum / maximum)	b5	mm	570	570	570
32	Inner width of support legs	b4	mm	–	–	–
33	Ground clearance at center of wheelbase, (forks lowered)	m2	mm	20	20	20
34	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise	Ast	mm	–	–	–
35	Working aisle width (Ast3) with 1000 x 1200 mm pallets, load crosswise	Ast3	mm	–	–	–
36	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise, platform up/down	Ast	mm	2475 (2773) / 2955 (3253)	2475 (2773) / 2955 (3253)	2475 (2773) / 2955 (3253)
37	Working aisle width (Ast3) with 1000 x 1200 mm pallets, load crosswise, platform up/down	Ast3	mm	2142 (2243) / 2622 (2723)	2142 (2243) / 2622 (2723)	2142 (2243) / 2622 (2723)
38	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast	mm	–	–	–
39	Working aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise	Ast3	mm	–	–	–
40	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down	Ast	mm	2467 (2653) / 2947 (3133)	2467 (2653) / 2947 (3133)	2467 (2653) / 2947 (3133)
41	Working aisle width (Ast3) with 800 x 1200 mm pallets, load lengthwise, platform up/down	Ast3	mm	2342 (2443) / 2822 (2923)	2342 (2443) / 2822 (2923)	2342 (2443) / 2822 (2923)
42	Turning radius	Wa	mm	1567 (1968) / 2047 (2448)	1567 (1968) / 2047 (2448)	1567 (1968) / 2047 (2448)
	PERFORMANCE					
43	Travel speed, with / without load		km/h	6.0 / 6.0	6.0 / 6.0	6.0 / 6.0
44	Lifting speed, with / without load		m/s	0.12 / 0.26	0.12 / 0.26	0.14 / 0.27
45	Lowering speed, with / without load		m/s	0.35 / 0.40	0.35 / 0.40	0.35 / 0.40
46	Gradeability, with / without load		%	8 / 15	–	–
47	Maximum gradeability with / without load		%	–	8 / 15	8 / 15
48	Acceleration time (10 metres) with / without load		s	–	–	–
49	Service brakes (mechanical / hydraulic / electric / pneumatic)			Electric	Electric	Electric
	ELECTRIC MOTORS					
50	Drive motor capacity (60 min. short duty)		kW	1.0	1.0	1.0
51	Lift motor output at 15% duty factor		kW	2.2	2.2	3.2
52	Battery voltage/capacity at 5-hour discharge		V/Ah	24 / 150-250	24 / 250	24 / 250-375
53	Battery weight		kg	151-212	212	212-294
54	Energy consumption according to EN16796		kWh/h	–	–	–
	MISCELLANEOUS					
55	Type of drive control			Stepless	Stepless	Stepless
56	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ		dB(A)	–	–	–
57	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ		dB(A)	60 / 60 / 41	60 / 60 / 41	70 / 72 / 41
58	Whole-body vibration (EN 13 059:2002)			0.8	0.8	0.8
59	Hand-arm vibration (EN 13 059:2002)			< 2.5	< 2.5	< 2.5

Continuing improvement may lead to changes in these specifications.

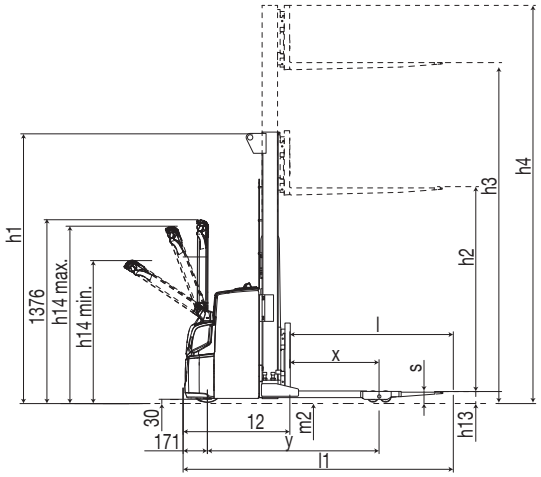
Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks
SBP16N2S	SBP16N2SR
Electric	Electric
Pedestrian	Pedestrian
1600	1600
600	600
650	650
1295	1295
1397	1437
1941 / 1056	1981 / 1056
945 / 452	985 / 452
Vul / Vul	Vul / Vul
230 × 70	230 × 70
85 × 75	85 × 75
125 × 60	125 × 60
1 + 1x /4	1 + 1x /4
517	517
1025-1425	1025-1425
see tables	see tables
see tables	see tables
see tables	see tables
see tables	see tables
–	–
1150/1350	1150/1350
85	85
1967	2087 / 2567
817	937 / 1417
800 / 1140-1575	800 / 1140-1575
40 / 100 / 1150	40 / 100 / 1150
980	980
260-900	260-900
1015-1450	1015-1450
20	20
–	–
–	–
2430	2550 / 3030
2085	2205 / 2685
–	–
–	–
2415	2535 / 3015
2285	2405 / 2885
1535	1655 / 2135
6.0 / 6.0	6.0 / 6.0
0.14 / 0.27	0.14 / 0.27
0.35 / 0.40	0.35 / 0.40
–	–
8 / 15	8 / 15
–	–
Electric	Electric
1.0	1.0
3.2	3.2
24 / 250-375	24 / 250-375
212-294	212-294
–	–
Stepless	Stepless
–	–
70 / 72 / 41	70 / 72 / 41
–	0.8
< 2.5	< 2.5

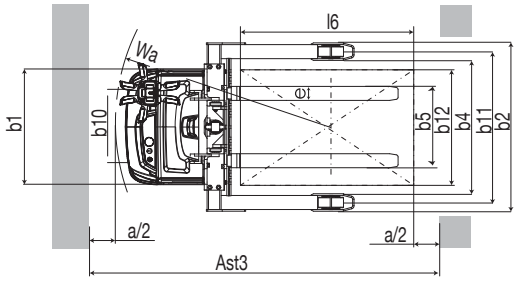
SBP12 / 14 / 16N2(I)R WITH FOLDING PLATFORM



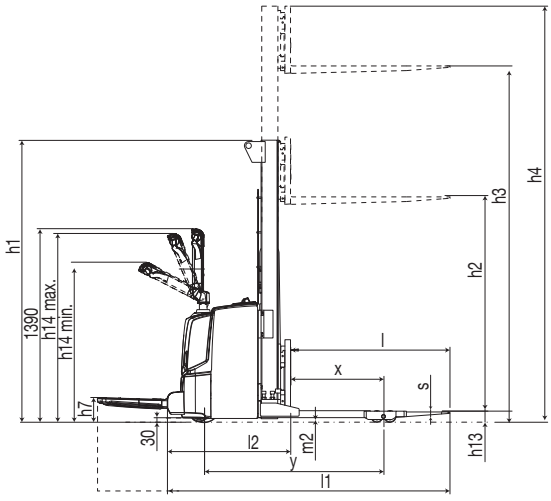


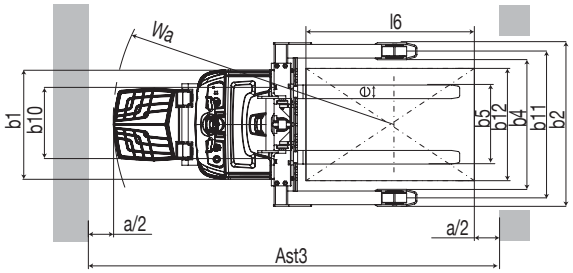
SBP16N2S





SBP16N2SR WITH FOLDING PLATFORM





Wa = Turning radius
l6 = Pallet length
x = Load wheel axle to fork face
b12 = Pallet width
a = Safety clearance = 2 x 100 mm

Ast = Working aisle width
Ast3 = Working aisle width (b12 <1000 mm)
Ast = $Wa + \sqrt{(l6 - x)^2 + (b12 / 2)^2} + a$
Ast3 = Wa + l6 -x +a

MAST PERFORMANCE AND CAPACITY

MAST TYPE	h3 + h13 mm	h1 mm	h4 mm	h2 + h13 mm
SBP10N2				
SIMPLEX	1500	1980	1980	1500
DUPLEX	2500	1775	3000	195
	2900	1975	3400	195
	3300	2175	3800	195
SBP12PC				
DUPLEX	1790	1400*	–	NA
	2090	1550*	–	NA
SBP12/14/16N2 / SBP12/14/16N2R				
SIMPLEX	1500	1950	1950	1500
DUPLEX	2500	1835	3000	200
	2900	2035	3400	200
	3300	2235	3800	200
	3600	2385	4100	200
	4300	2735	4800	200
DUPLEX FREE-LIFT	2500	1775	2940	1355
	2900	1975	3340	1555
	3300	2235	3800	1755
	3600	2385	4100	1905
	4300	2735	4800	2255
TRIPLEX	4100	1955	4640	–
	4300	2020	4840	–
	4700	2153	5240	–
	5400**	2385	5940	–
TRIPLEX FREE-LIFT	4100	1955	4640	1475
	4300	2020	4840	1540
	4700	2153	5240	1673
	5400**	2385	5940	1905

MAST TYPE	h3 + h13 mm	h1 mm	h4 mm	h2 + h13 mm
SBP12/14/16N2I / SBP12/14/16N2IR				
SIMPLEX	1500	2055	2055	1505
DUPLEX	2500	1940	3105	200
	2900	2140	3505	200
	3300	2340	3905	200
	3600	2490	4205	200
	4300	2840	4905	200
DUPLEX FREE-LIFT	2500	1940	3105	1360
	2900	2140	3505	1560
	3300	2340	3905	1760
	3600	2490	4205	1910
	4300	2840	4905	2260
TRIPLEX	4100	2060	4745	–
	4300	2125	4945	–
	4700	2260	5345	–
	5400**	2490	6045	–
TRIPLEX FREE-LIFT	4100	2060	4745	1480
	4300	2125	4945	1545
	4700	2260	5345	1673
	5400**	2490	6045	1910
SBP16N2S / SBP16N2SR				
SIMPLEX	1500	2030	2030	1500
DUPLEX	2500	1915	3080	195
	2900	2115	3480	195
	3300	2315	3880	195
	3600	2465	4180	195
	4300	2815	4880	195
DUPLEX FREE-LIFT	2500	1915	3080	1355
	2900	2115	3480	1555
	3300	2315	3880	1755
	3600	2465	4180	1905
	4300	2815	4880	2255
TRIPLEX	4100	2035	4720	–
	4300	2100	4920	–
	4700	2233	5320	–
	5400	2465	6020	–
TRIPLEX FREE-LIFT	4100	2035	4720	1475
	4300	2100	4920	1540
	4700	2233	5320	1753
	5400	2465	6020	1905

* h1 closed mast height includes poly carbonate finger protection. Mast height excl. Finger protection is 1343mm / 1493mm.

** Only SBP14N2-16N2 & SBP14N2I-16N2I

S = Simplex
DS = Duplex with clear-view mast
DEV = Duplex with full free lift
TR = Triplex with clear-view mast
TREV = Triplex with full free lift
h3+h13 = Lifting height
h1 = Lowered mast height
h4 = Raised mast height
h2+h13 = Free lift

Continuing improvement may lead to changes in these specifications.

STANDARD EQUIPMENT & OPTIONS

● = Standard (●) = Standard on initial lift models only ▲ = Option

	SBP10N2	SBP12PC
GENERAL		
LED discharge indicator, no hour meter	●	–
Multifunctional display, including hour meter	▲	–
Micro-computer incl. hour meter and battery indicator with cutout (ATC T4)	–	●
PIN code login 100 codes	–	●
PIN code login 4 codes	▲	–
Offset tiller arm with display and keypad	–	●
Chill store design, down to 1°C, with rust-protected axles	–	●
Proportional valve for lifting and lowering, controlled by fingertip lever on tiller head	●	–
Electric on/off valve for lifting and lowering, controlled by rocker switch on tiller head	–	●
Polyurethane drive wheel	●	●
Polyurethane drive wheel or rubber	–	●
Initial lift	–	–
Single load wheels polyurethane	●	●
Tandem load wheels polyurethane	▲	▲
Adjustable width between straddle load legs; 900mm - 1300mm	–	–
Sideways battery change (250Ah battery only)	–	–
ENVIRONMENT		
Cold store design, 0C° to -35C°	▲	▲
DRIVE AND LIFT CONTROLS		
Heavy duty tiller head - with key switch entry	–	▲
Tiller in line with chassis contour	–	▲
Tiller up drive	▲	▲
WHEEL OPTIONS		
Polyurethane traction and load wheels	●	●
Power friction traction wheel	▲	▲
Non-marking drive wheeel	–	▲
Anti-static drive wheel	–	▲
OTHER OPTIONS		
Speed reduction 0.5km/h above 1000mm lift, duplex and triplex masts without free lift	–	–
Speed reduction 0.5km/h above free lift, duplex and triplex masts with free lift	–	–
Inbuilt charger, 30A	▲	–
Rubber foot protection	–	–
Diselectric band	–	▲
Key switch	●	▲
Piezo buzzer instead of standard horn	–	▲
Special RAL colour	▲	▲
Load backrest	▲	▲
Accessory rack	▲	–
List bracket, A4 size	▲	–

SBP12N2(I)	SBP14N2(I)	SBP16N2(I)	SBP12N2(I)R	SBP14N2(I)R	SBP16N2(I)R	SBP16N2S	SBP16N2SR
●	●	●	●	●	●	●	●
▲	▲	▲	▲	▲	▲	▲	▲
–	–	–	–	–	–	–	–
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