VDI - PERFORMANCE & DIMENSIONS

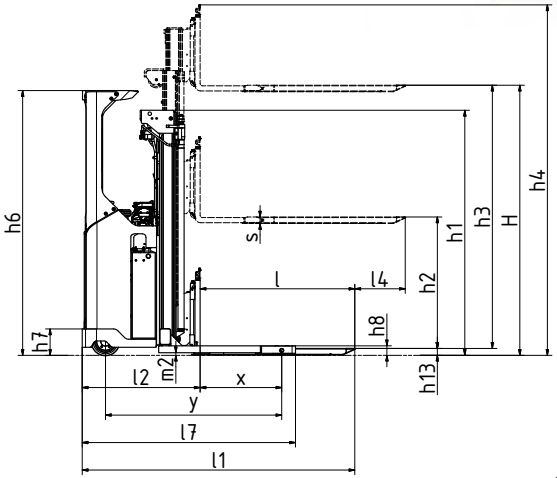
	CHARACTERISTICS			
1.1	Manufacturer			Mitsubishi Forklift Trucks
1.2	Manufacturer's model designation			SBR12N2TF
1.3	Power source			Battery
1.4	Operator type			Stand-in
1.5	Load capacity	Q	kg	1200
1.6	Load center distance	c	mm	600
1.8	Load wheel axle to fork face (forks lowered)	x	mm	714
1.9	Wheelbase	y	mm	1540 [2]
	WEIGHT			
2.1b	Truck weight without load, with maximum battery weight		kg	2068
2.2	Axle loadings with nominal load & maximum battery weight, drive / load side		kg	1468 / 1800
2.3	Axle loadings without load & with maximum battery weight, drive / load side		kg	1448 / 620
	WHEELS, DRIVE TRAIN			
3.1	Tyres: PT = Power Thane, Vul = Vulkollan, P = Polyurethane, N = Nylon, R = Rubber drive / load side			Vul / Vul
3.2	Tyre dimensions, drive side		mm	250 × 105
3.3	Tyre dimensions, load side	ø	mm	150 × 55
3.4	Castor wheel dimensions (diameter x width)		mm	150 × 55
3.5	Number of wheels, load / drive side (x = driven)			2 / 1× + 2 [1]
3.6	Track width (center of tyres), drive side	b10	mm	651
3.7	Track width (center of tyres), load side	b11	mm	850 / 1050
	DIMENSIONS			
4.2a	Height with mast lowered	h1	mm	see tables
4.2b	Height	h1	mm	see tables
4.3	Free lift	h2	mm	see tables
4.4	Lift height	h3	mm	see tables
4.5	Height with mast extended	h4	mm	see tables
4.6	Initial lift	h5	mm	-
4.7	Height to top of overhead guard	h6	mm	2310
4.8	Seat- or stand height	h7	mm	230
4.10	Height of support legs	h8	mm	110
4.15	Fork height, fully lowered	h13	mm	65
4.19	Overall length	l1	mm	2229 [2]
4.20	Length to fork face	l2	mm	1029 [2]
4.21	Overall width	b1	mm	950 / 1150 [8]
4.22	Fork dimensions (thickness, width, length)	s/e/l	mm	57 / 169 / 1200
4.23	Fork carriage to DIN			FEM 3/A
4.24	Fork carriage width	b3	mm	820
4.25	Outside width over forks (minimum / maximum)	b5	mm	578 / 842
4.26	Inner width of support legs	b4	mm	750 / 950 [8]
4.28	Mast reach travel	l4	mm	850 [3]
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	mm	40
4.33a	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise	Ast	mm	2623
4.34a	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast	mm	2587
4.35	Turning radius	Wa	mm	1758
4.37	Truck length including support legs	l7	mm	1848 [2]
	PERFORMANCE			
5.1	Travel speed, with / without load		km/h	8.0 / 8.0
5.2	Lifting speed, with / without load		m/s	0.15 / 0.26 [4]
5.3	Lowering speed, with / without load		m/s	0.38 / 0.38 [4]
5.8	Maximum gradeability with / without load		%	7.8 / 7.8
5.9	Acceleration time (10 metres) with / without load		s	6.5 / 5.5
5.10	Service brakes (mechanical / hydraulic / electric / pneumatic)			Electric
	ELECTRIC MOTORS			
6.1	Drive motor capacity (60 min. short duty)		kW	2.7
6.2	Lift motor output at 15% duty factor		kW	8.0 [5]
6.4	Battery voltage/capacity at 5-hour discharge		V/Ah	24 / 465 [6]
6.5	Battery weight		kg	330-400 [6]
6.6a	Energy consumption according to EN16796 cycle		kWh/h	0.87 [7]
	MISCELLANEOUS			
8.1	Type of drive control			AC
10.7	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)	<70

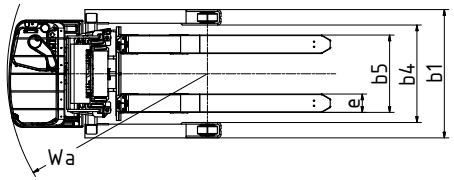
AXIA XL

SBR12N2TF Series

STAND-IN STACKER WITH TELESCOPIC FORKS

1.2 tonnes





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

MAST TYPE	h3+h13 mm	h1 mm	h4 mm	h2+h13 mm
SBR12N2TF				
DTFV / TREV	4800	2150	5750	1225
	5400	2350	6350	1425
	5700	2450	6650	1525
	6300	2650	7250	1725

All dimensional values, weights and measures vary according to configuration
1) 4-point design with twin assembly drive side castor wheels
2) When Senior (BC775) chassis then add 104 mm
3) Telescopic forks reach travel, optional reach 450-1000
4) Standard motor, not sufficiently tested with the 8.0 kW heavy-duty option yet
5) With heavy-duty lift motor, standard is 4.0
6) With Senior chassis, 24V / 560-775Ah and 460-610 kg
7) This is a reference test value that varies according to model, config and usage pattern
8) There are two standard straddle/support legs widths available to choose from (ref. b1/b4)

Continuing improvement may lead to changes in these specifications