

MWSF-1R SERIES

1.4 to 2.0 t

PEDESTRIAN STACKER TRUCK WITH FOLDING PLATFORM

Pedestrian Stacker Truck
With Folding Platform

Technical data as per VDI 2198

		KOMATSU				
		MWS14F-1R Simplex	MWS14F-1R Duplex FV	MWS20F-1R Duplex FV		
Characteristics	1.1	Manufacturer				
	1.2	Model Designation				
	1.3	Motive Power Type	Electric	Electric	Electric	
	1.4	Operator Position	Pedestrian / Stand on platform			
	1.5	Rated Capacity	Q (t)	1.4	1.4	2
	1.6	Load Centre	c (mm)	600		
	1.8	Load Distance (when lifted)	x (mm)	711	711	706
	1.9	Wheelbase (when lifted)	y (mm)	1320	1320	1320
	Weight	2.1	Service Weight (Incl. Battery Weight, Line 6.5)	kg	785 ⁽¹⁾	1013 ⁽⁵⁾
2.2		Axle loading with Load (driver/load side)	kg	1578 / 867 ⁽²⁾	1655 / 1018 ⁽²⁾	2209 / 1011 ⁽²⁾
2.3		Axle loading without Load (driver/load side)	kg	286 / 759 ⁽²⁾	364 / 909 ⁽²⁾	356 / 864 ⁽²⁾
Tyres	3.1	Tyre Type (P=pneum; S=solid; C=elast. cushion)	Polyurethane			
	3.2	Tyre Size, driver side (dia. x width)	mm	85 x 90	85 x 90	85 x 70
	3.3	Tyre Size, load side (dia. x width)	mm	230 x 140		
	3.5	Number of Wheels (x=driven), driver/load side		2 / 1x-1	2 / 1x-1	4 / 1x-1
	3.6	Tread, driver side	b10 (mm)	380		
	3.7	Tread, load side	b11 (mm)	578		
	Basic Measurement	4.2	Closed Height	h1 (mm)	1977 - 2282	1977 - 2777
4.3		Full Free Lift	h2 (mm)	/	140	90
4.4		Lift Height	h3 (mm)	1510 - 1810	2900 - 4480	2900 - 3580
4.5		Extended Height	h4 (mm)	1995 - 2295 ⁽³⁾	3385 - 4965 ⁽³⁾	3407 - 4087 ⁽³⁾
4.6		Initial Lift	h5 (mm)	/		
4.9		Height of Tiller in Drive Position (min./max.) (platform closed / open)	h14 (mm)	1145 / 1342		
4.15		Height Lowered	h13 (mm)	85		
4.19		Overall Length (platform closed / open)	l1 (mm)	2022-1872 ⁽⁴⁾ / 2355-2205 ⁽⁴⁾	2037-1887 ⁽⁴⁾ / 2370-2220 ⁽⁴⁾	2058-1908 ⁽⁴⁾ / 2391-2241 ⁽⁴⁾
4.20		Length to Front Face of Forks (platform closed / open)	l2 (mm)	887 / 1221	887 / 1221	902 / 1226
4.21		Overall Width	b1 (mm)	860		
4.22		Fork Dimensions : thickness/width/length	s/e/l (mm)	66 / 188 / 1150	66 / 188 / 1150	66 / 200 / 1150
4.24		Mast Width	b3 (mm)	640		
4.25		Width over Forks	b5 (mm)	568	568	580
4.31		Clearance off Ground when Laden	m1 (mm)	/		
4.32		Ground Clearance at Centre of Wheelbase	m2 (mm)	29		
4.33	Aisle Width with Pallet (1000x1200mm) (l6 x b12) ; crosswise	Ast3 (mm)	2487 ⁽⁴⁾⁽⁸⁾ / 2798 ⁽⁴⁾⁽⁹⁾	2487 ⁽⁴⁾⁽⁸⁾ / 2798 ⁽⁴⁾⁽⁹⁾	2490 ⁽⁴⁾⁽⁸⁾ / 2801 ⁽⁴⁾⁽⁹⁾	
4.34	Aisle Width with Pallet (800x1200mm) (l6 x b12) ; lengthwise	Ast3 (mm)	2453 ⁽⁸⁾ / 2764 ⁽⁹⁾	2453 ⁽⁸⁾ / 2764 ⁽⁹⁾	2457 ⁽⁸⁾ / 2768 ⁽⁹⁾	
4.35	Outer Turning Radius (min.) (platform closed/open)	Wa (mm)	1621 / 1932			
Performance	5.1	Travel Speed (loaded/unloaded)	km/h	6.5 / 8	6.5 / 8	5 / 8
	5.2	Lifting Speed (loaded/unloaded)	m/s	0.15 / 0.26	0.16 ⁽⁵⁾ / 0.26 ⁽⁵⁾	0.10 ⁽⁶⁾ / 0.17 ⁽⁶⁾
	5.3	Lowering Speed (loaded/unloaded)	m/s	0.33 / 0.19	0.40 ⁽⁵⁾ / 0.36 ⁽⁵⁾	0.30 ⁽⁶⁾ / 0.23 ⁽⁶⁾
	5.8	Max. Gradeability (loaded/unloaded)	%	5.5 / 9	5.5 / 9	3.9 / 9
	5.10	Brake Type (parking/service)		Electric at butterfly release		
E-Motor	6.1	Drive Motor, output S2 60 min. rating	kW	1.2		
	6.2	Hydraulic Motor, output S3 15 % duty factor	kW	2.2	2.2 ⁽⁷⁾ / 3	3
	6.3	Battery to DIN 43531/35/36/A,B,C,no		PzS		
	6.4	Battery Voltage, Nom. Capacity K5 (option)	V/Ah	24 / 240 (315 - 375)		
	6.5	Battery Weight (min.) +/- 5% (option)	kg	260 (295 - 304)	260 (295 - 302)	260 (295 - 302)
Oth.	8.1	Type of Control, drive/hydraulic		Electronic		
	8.4	Noise Level at Driver's Ear	dB (A)	< 70		

(1) Mast, h3 = 1810 mm

(2) With 240 Ah battery

(3) With optional load backrest : + 490 mm

(4) With forks l = 1000 mm

(5) Mast, h3 = 4480 mm

(6) Mast, h3 = 3580 mm

(7) Mast, h3 <= 3580 mm

(8) With platform closed

(9) With platform open

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S P E C S H E E T

