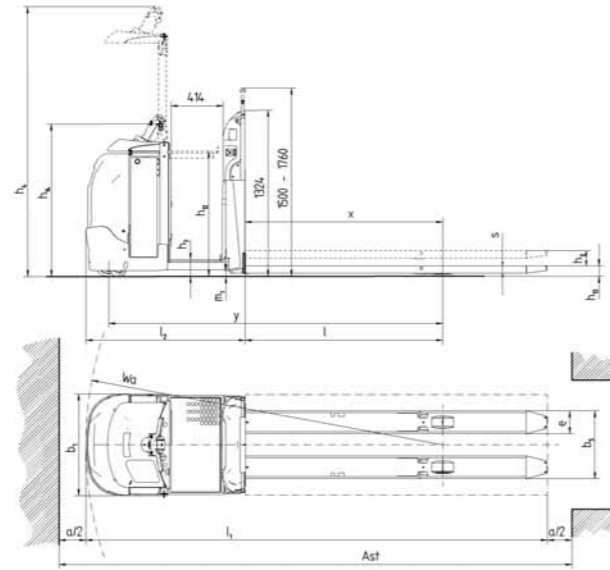
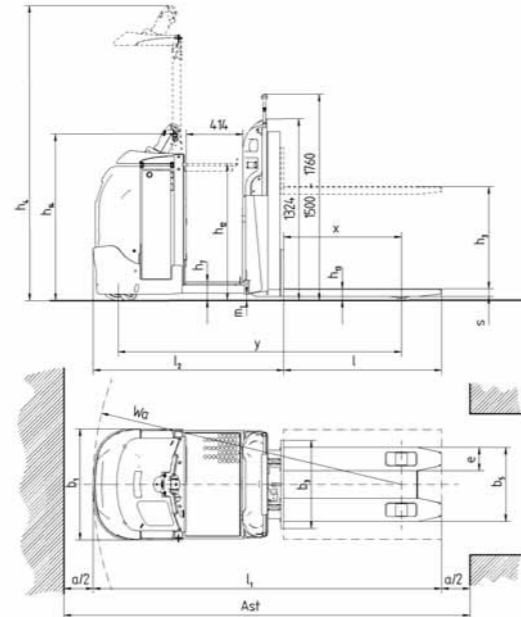


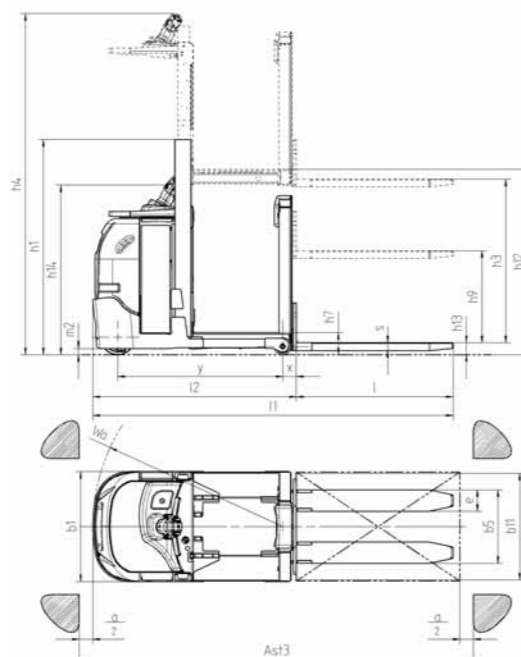
MWQ10-3R 1.0 TON



MWQ20-3R 2.0 TON



MWQ07-3R 0.7 TON



MWQ-3R SERIES

MWQ07-3R MWQ20-3R MWQ10-3R



Operator platform lifts up



\*Motorbike\* drive style



Resistant material (HDPE)

Function:

- Order picking of small loads from first levels of warehouse racks
- Operator platform lifts up to 1200mm (standard on MWQ07), the operator can reach the first levels of racks
- By lifting forks up to 1040mm (MWQ07), it's very easy for every operator to put small loads on containers
- Fast transfer of goods to in wide Warehouse

Driving Position:

A high comfort, modern designed compartment, leads operator to drive "motorbike" style, by simple movement of direction, acceleration and lifting devices, all included in steering bar. High accessibility thanks to 112mm step in (MWQ20) and non slip rubber platform. Backing operation (low speed straight drive from outboard position) as optional on MWQ10 and 20.

Performance:

- Thanks to use of AC technology, high acceleration and speed could be reached in all operating environments
- Traction wheel in central position for better stability
- Low energy consumption
- No rolling wheels noise in travel
- No motor maintenance (AC technology)
- Electric steering motor (standard) gives stability and power during any high speed turning
- Second Generation Hydraulonic Active System (standard), ensures perfect grip to floor of both traction wheel and side stabilizers
- High safety standards thanks to e-ABS system, in order to have good braking efficiency without skidding
- Only 1395mm turning radius (MWQ07) thanks to new concept of FEM designed frame

- The 24V batteries can be composed by DIN EN 60254-2 standard components, with total max. capacity of 480AH

Layout:

All modern bonnet and covers are realized by elastic and shock resistant material (HDPE: high density polyethylene). Rounded shape in order to minimize space and increase cooling of electric components. Operator compartment designed around the body, with comfortable backrest and object holders. Ergonomic controls for traction and lifting function.

Standard Configuration:

- Electric steering handle-bar
- Fixed platform (MWQ10, MWQ20), Elevating Platform 1200mm (MWQ07)
- Large battery cover with boxes holder
- Drive motor AC technology
- Emergency switch
- Battery discharge indicator
- Hourmeter
- Tandem rollers (MWQ20; MWQ07)
- Speed reduction when cornering Object holder on backrest

Optionals:

- Elevating Platform (MWQ10, MWQ20)
- Side battery removal
- Pushbutton on backrest (MWQ10; MWQ20)
- Cold Room version
- Small battery Cover with paper holder
- Electrical provision for Data terminal.

Our web site [www.komatsuforklift.net](http://www.komatsuforklift.net) provides full information of our dealer network and the complete range of Komatsu Forklift products. You can also gain access to the special reserved sections of the web site for inclusion on our mailing lists which provides up to the minute information on our products and local promotions.

MWQ-3R SERIES

MWQ10-3R - 1.0 TON

Low Level Order Picker With Lifting Forks



MWQ20-3R - 2.0 TON

Low Level Order Picker



MWQ07-3R - 0.7 TON

Vertical Order Picker With Lifting Forks

# MWQ-3R SERIES

## MWQ07-3R VDI 2198

CHARACTERISTICS	1.2 Model Designation	MWQ07-3R ac			
		Fix Fork	Cab mlp Fix Fork	Cab mlp Lifting Fork	
1.3 Motive Power Type		Electric			
1.4 Operator Position		On Board			
1.5 Rated Capacity	Q (t)	0.7			
1.6 Load Centre	c (mm)	600			
1.8 Load Distance (when lifted)	x (mm)	105	100	140	
1.9 Wheelbase (when lifted)	y (mm)	1210			
WEIGHTS	2.1 Service Weight (without battery)	kg	807	910	945
	2.2 Axle Loading with Load (driver / load side)	kg	459 / 1524 <sup>(1)(2)</sup>	451 / 1636 <sup>(1)(2)</sup>	416 / 1704 <sup>(1)(2)</sup>
	2.3 Axle Loading without Load (driver / load side)	kg	863 / 420 <sup>(1)(2)</sup>	855 / 532 <sup>(1)(2)</sup>	846 / 574 <sup>(1)(2)</sup>
WHEELS	3.1 Tyre Type (P=pneum S=solid C=elast. cushion)		Polyurethane		
	3.2 Tyre Size, driver side (dia. x width)	mm	250x80		
	3.3 Tyre Size, load side (dia. x width)	mm	120x50		
	3.5 Number of Wheels (x=driven), driver / load side		1x / 4		
	3.6 Tread, driver side	b10 (mm)	-		
	3.7 Tread, load side	b11 (mm)	780		
DIMENSIONS	4.2 Mast Height, Lowered	h1 (mm)	1577		
	4.4 Lift Height	h3 (mm)	1040		
	4.5 Mast Height, extended	h4 (mm)	2343		
	4.8 Platform height, lowered	h7 (mm)	160		
	4.9 Height of Tiller in Drive Position (min./max.)	h14 (mm)	1245		
	4.10 Height of reach legs	h9 (mm)	-	674	712
	4.14 Height of Tiller in Drive Position (min./max.)	h12 (mm)	1200		
	4.15 Height Lowered	h13 (mm)	85	85	45
	4.19 Overall Length	l1 (mm)	2648	2643	2683
	4.20 Length to Front Face of Forks	l2 (mm)	1498	1493	1533
	4.21 Overall Width	b1 (mm)	810		
	4.22 Fork Dimensions : thickness / width / length	s/e/l (mm)	50x160x1150	55x160x1150	35x100x1150
	4.25 Width over Forks	b5 (mm)	540	540	300-680
	4.32 Ground Clearance at Centre of Wheelbase	m2 (mm)	45		
	4.34 Aisle Width with Pallet	Ast3 (mm)	2899	2894	2934
	4.35 Outer Turning Radius (min.)	Wa (mm)	1395		
PERFORMANCES	5.1 Travel Speed (loaded / unloaded)	km/h	8.5 / 8.5		
	5.2 Lifting Speed (loaded / unloaded)	m/s	0.18 / 0.26		
	5.3 Lowering Speed (loaded / unloaded)	m/s	0.24 / 0.24		
	5.7 Gradeability KB 30° (loaded / unloaded)	%	-		
	5.8 Max. Gradeability KB 5° (loaded / unloaded)	%	-		
	5.9 Acceleration Time	s	-		
	5.10 Brake Type (parking / service)		Electric / e-ABS		
MOTOR	6.1 Drive Motor, output S2 60 min. rating	kW	3		
	6.2 Hydraulic Motor, output S3 15 % duty factor	kW	2.2		
	6.3 Battery to DIN 43531/35/36/A,B,C,no		DIN Elements		
	6.4 Battery Voltage, Nom. Capacity K5 (option)	V / Ah	24 / 420-480		
	6.5 Battery Weight (min.) +/- 5% (option)	kg	389 / 410		
	6.6 Consumption	kWh/h	-		
OTHERS	8.1 Type of Control, drive/hydraulic		Electronic/AC Drive		
	8.4 Noise Level at Driver's Ear	dB (A)	<70		

- 1) including operator on board and lifted forks
- 2) with battery 480 Ah

## MWQ20-3R VDI 2198

CHARACTERISTICS	1.2 Model Designation	MWQ20-3R		
		Fix Floor	Lifting Floor	
1.3 Motive Power Type		Electric		
1.4 Operator Position		On Board		
1.5 Rated Capacity	Q (t)	2		
1.6 Load Centre	c (mm)	See table		
1.8 Load Distance (when lifted)	x (mm)	See table		
1.9 Wheelbase (when lifted)	y (mm)	See table		
WEIGHTS	2.1 Service Weight (without battery)	kg	739 <sup>(1)</sup>	808 <sup>(1)</sup>
	2.2 Axle Loading with Load (driver / load side)	kg	1149 / 2070 <sup>(1)(2)(3)</sup>	1204 / 2084 <sup>(1)(2)(3)</sup>
	2.3 Axle Loading without Load (driver / load side)	kg	945 / 274 <sup>(1)(2)(3)</sup>	1001 / 287 <sup>(1)(2)(3)</sup>
WHEELS	3.1 Tyre Type (P=pneum S=solid C=elast. cushion)		Polyurethane	
	3.2 Tyre Size, driver side (dia. x width)	mm	250x80 / 110x60	
	3.3 Tyre Size, load side (dia. x width)	mm	85x70	
	3.5 Number of Wheels (x=driven), driver / load side		2 - 1x / 4	
	3.6 Tread, driver side	b10 (mm)	558	
	3.7 Tread, load side	b11 (mm)	318 / 358 / 488	
DIMENSIONS	4.4 Lift Height	h3 (mm)	135	
	4.8 Platform height, lowered	h7 (mm)	112	135
	4.9 Height of Tiller in Drive Position (min./max.)	h14 (mm)	1212	1212
	4.14 Platform height, raised	h12 (mm)	/	900
	4.15 Height Lowered	h13 (mm)	85	
	4.19 Overall Length	l1 (mm)	See table	
	4.20 Length to Front Face of Forks	l2 (mm)	1267	
	4.21 Overall Width	b1 (mm)	805	
	4.22 Fork Dimensions : thickness / width / length	s/e/l (mm)	60 / 182 / See table	
	4.25 Width over Forks	b5 (mm)	500 / 540 / 670	
	4.32 Ground Clearance at Centre of Wheelbase	m1 (mm)	45	
	4.33 Aisle Width with Pallet	Ast3 (mm)	See table	
	4.34 Aisle Width with Pallet	Ast3 (mm)	See table	
	4.35 Outer Turning Radius (min.)	Wa (mm)	See table	
PERFORMANCES	5.1 Travel Speed (loaded / unloaded)	km/h	11 / 14	
	5.2 Lifting Speed (loaded / unloaded)	m/s	0.04 / 0.05	0.11 / 0.21
	5.3 Lowering Speed (loaded / unloaded)	m/s	0.05 / -	0.05 / -
	5.7 Gradeability KB 30° (loaded / unloaded)	%	-	
	5.8 Max. Gradeability KB 5° (loaded / unloaded)	%	-	
	5.9 Acceleration Time	s	-	
	5.10 Brake Type (parking / service)		Electric / e-ABS	
MOTOR	6.1 Drive Motor, output S2 60 min. rating	kW	3	
	6.2 Hydraulic Motor, output S3 15 % duty factor	kW	1.2	2.2
	6.3 Battery to DIN 43531/35/36/A,B,C,no		DIN Elements	
	6.4 Battery Voltage, Nom. Capacity K5 (option)	V / Ah	24 / 420-480	
	6.5 Battery Weight (min.) +/- 5% (option)	kg	389 / 410	
	6.6 Consumption	kWh/h	/	
OTHERS	8.1 Type of Control, drive/hydraulic		AC Drive	
	8.4 Noise Level at Driver's Ear	dB (A)	<70	

- 1) forks l=2400 mm
  - 2) with lifted forks, dimension is reduced by 97 mm
  - 3) including operator on board and lifted forks
  - 4) including operator on board and lowered forks
  - 5) with battery 480 Ah
- Battery Box Dimension: 790x210x790mm

	l	c	y	l1	Wa <sup>(2)</sup>	x <sup>(2)</sup>	Ast3
	1150	600	1961	2417	2242	975	2667
	1450	750	2132	2717	2412	1145	2967
	2160	1100	2543	3427	2822	1555	3667
	2400	1200	2558	3667	2837	1570	3867
PL	2400	1200	2831	3667	3110	1843	3867
	2850	1450	2921	4117	3200	1933	4367

dimensions in mm

## MWQ10-3R VDI 2198

CHARACTERISTICS	1.2 Model Designation	MWQ10-3R		
		Fix Floor	Lifting Floor	
1.3 Motive Power Type		Electric		
1.4 Operator Position		On Board		
1.5 Rated Capacity	Q (t)	1		
1.6 Load Centre	c (mm)	600		
1.8 Load Distance (when lifted)	x (mm)	857		
1.9 Wheelbase (when lifted)	y (mm)	2062		
WEIGHTS	2.1 Service Weight (without battery)	kg	760	829
	2.2 Axle Loading with Load (driver / load side)	kg	1049 / 1211 <sup>(1)(2)</sup>	1101 / 1228 <sup>(1)(2)</sup>
	2.3 Axle Loading without Load (driver / load side)	kg	924 / 335 <sup>(1)(2)</sup>	976 / 353 <sup>(1)(2)</sup>
WHEELS	3.1 Tyre Type (P=pneum S=solid C=elast. cushion)		Polyurethane	
	3.2 Tyre Size, driver side (dia. x width)	mm	250x80 / 110x60	
	3.3 Tyre Size, load side (dia. x width)	mm	85x90	
	3.5 Number of Wheels (x=driven), driver / load side		1x - 2 / 2	
	3.6 Tread, driver side	b10 (mm)	558	
	3.7 Tread, load side	b11 (mm)	370	
DIMENSIONS	4.4 Lift Height	h3 (mm)	840	
	4.8 Platform height, lowered	h7 (mm)	112	135
	4.9 Height of Tiller in Drive Position (min./max.)	h14 (mm)	1212	1212
	4.14 Platform height, raised	h12 (mm)	/	900
	4.15 Height Lowered	h13 (mm)	85	
	4.19 Overall Length	l1 (mm)	2538	
	4.20 Length to Front Face of Forks	l2 (mm)	1388	
	4.21 Overall Width	b1 (mm)	805	
	4.22 Fork Dimensions : thickness / width / length	s/e/l (mm)	170 / 55 / 1150	
	4.25 Width over Forks	b5 (mm)	540	
	4.32 Ground Clearance at Centre of Wheelbase	m1 (mm)	45	
	4.33 Aisle Width with Pallet	Ast3 (mm)	2588	
	4.34 Aisle Width with Pallet	Ast3 (mm)	2788	
	4.35 Outer Turning Radius (min.)	Wa (mm)	2245	
PERFORMANCES	5.1 Travel Speed (loaded / unloaded)	km/h	11 / 14	
	5.2 Lifting Speed (loaded / unloaded)	m/s	0.09 / 0.11	0.2 / 0.38
	5.3 Lowering Speed (loaded / unloaded)	m/s	0.1 / -	0.1 / -
	5.7 Gradeability KB 30° (loaded / unloaded)	%	-	
	5.8 Max. Gradeability KB 5° (loaded / unloaded)	%	-	
	5.9 Acceleration Time	s	-	
	5.10 Brake Type (parking / service)		Electric / e-ABS	
MOTOR	6.1 Drive Motor, output S2 60 min. rating	kW	3	
	6.2 Hydraulic Motor, output S3 15 % duty factor	kW	1.2	2.2
	6.3 Battery to DIN 43531/35/36/A,B,C,no		DIN Elements	
	6.4 Battery Voltage, Nom. Capacity K5 (option)	V / Ah	24 / 420-480	
	6.5 Battery Weight (min.) +/- 5% (option)	kg	389 / 410	
	6.6 Consumption	kWh/h	/	
OTHERS	8.1 Type of Control, drive/hydraulic		AC Drive	
	8.4 Noise Level at Driver's Ear	dB (A)	<70	

- 1) including operator on board and lifted forks
- 2) with battery 480 Ah

