

MWQ-3R SERIES

1.0 TON



Horizontal Order Picker with Lifting Forks

- Extremely fast order picker with 830mm lifting forks: 14km/h unloaded and two shifts with biggest battery for maximum productivity thanks to AC technology
- Standard truck is suitable to cold store activities and 900mm lifting operator's platform for second level picking with high lift speed is available
- Electric Steering with force feedback and "Hydrautronic II" castor wheels for quick turning with maximum adherence to the ground and confidence from the driver: extremely reduced Ast value
- Regenerative and "eABS" braking system for smooth braking in both service and emergency conditions keeping control of the truck in wet conditions too
- EasyDRIVE ergonomic handle and enlarged operator's compartment with several smart solutions to hold all day-by-day stuff
- Enhanced safety logic controller surveying steering angle, load, speed and platform position allows safe activities also with lifted or not on board operator operating from the ground

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CHARACTERISTICS	1.2 Model Designation	MWQ10-3R			
		Fix Floor	MWQ10-3R 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 ^{(1) (2)}	1101 / 1228 ^{(1) (2)}	
	2.3 Axle Loading without Load (driver / load side)	kg	924 / 335 ^{(1) (2)}	976 / 353 ^{(1) (2)}	
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 (1000x1200mm) ^A	Ast3 (mm)	2588		
	4.34 Aisle Width with Pallet (800x1200mm) ^B	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 KB30' (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		

A= (l6 x b12); crosswise
B= (l6 x b12); lengthwise

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

