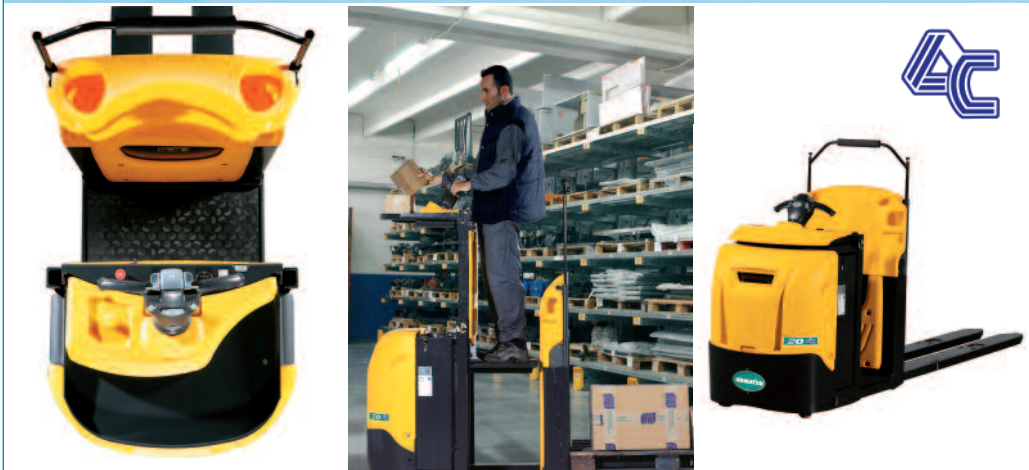


## MWQ-3R SERIES

2.0 TON



### Horizontal Order Picker

- Extremely fast order picker with low energy consumption thanks to new AC technology: 14km/h unloaded and two shifts with biggest battery for maximum productivity
- 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

# MWQ-3R SERIES

## 2.0 TON

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)(4)(5)</sup>	1001 / 287 <sup>(1)(4)(5)</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 (1000x1200mm) <sup>A</sup>		Ast3 (mm)	See table		
4.34 Aisle Width with Pallet (800x1200mm) <sup>B</sup>		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 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) 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

PKSWD02EN

