CL^{ac} Technical Data





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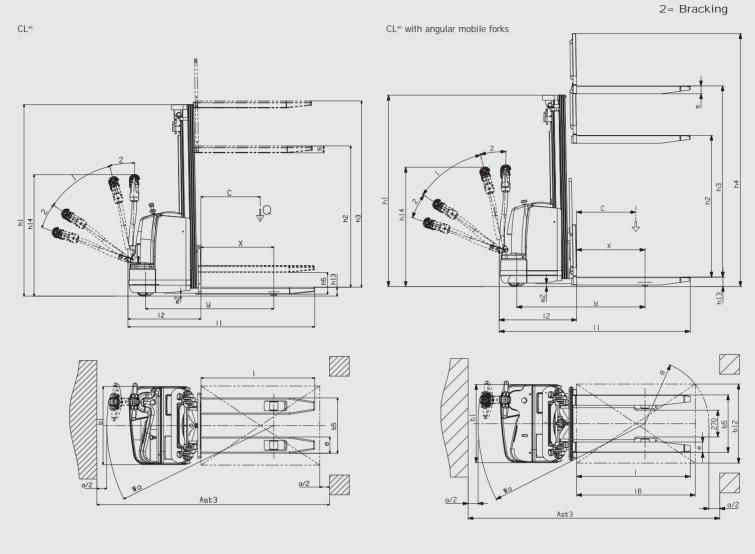
Specification	1.1	Manufacturer			01	Λ.	0	Λ.Λ
эреспісаціон								CL 12 ^{ac} FMA*
	1.2	Model Drive unit			CL 10.5 ^{ac}	CL 12 ^{ac}	CL 10.5 ^{ac} FMA*	
	1.3	Drive control type			Elec			ctric
	1.4	<i>y</i> ,		Q (t)	1,05		Til	
	1.5	Loading capacity Load center				1,2	1,05	1,2
	1.6	Distance between fork face to load	Luibool ayla	c (mm)		600 756 ⁽⁵⁾		
	1.8		i wheel axie	x (mm)			71	
\\/-:-	1.9	Distance between wheels centres	(y (mm)	1298 743		1298 779	
Weights	2.1	Truck weight	(without battey)	Kg				
	2.2	Axle loadings laden	(front/rear)	Kg	782 / 1163	832 / 1302	765 / 1216	809 / 1361
	2.3	Axle loading unladen		Kg	656 / 239	688 / 246	675 / 255	707 / 263
Wheels and	3.1	Tyre type		()	Polyure			ethane
Tyres	3.2	Front tyre dimensions		(mm)	230 /		230	
	3.3	Rear tyre dimensions			85 ⇔ 90 1x - 1 / 2		85 ⇔ 90	
	3.5	Wheels quantity front/rear (x= trac		110()			1x -	
	3.6	Distance between traction and pivoting wheel's axles		b10 (mm)	505		505	
B	3.7	Distance between load wheels cent	tres	b11 (mm)	39		30	
Dimensions and	4.2	Closed height		h1 (mm)	23!		23	
Overall Sizes	4.3	Full free lift		h2 (mm)	12		12	
	4.4	Lift height		h3 (mm)	3600 4110 ⁽¹⁾		3600	
	4.5	Extended height		h4 (mm)			4220 ⁽¹⁾	
	4.6	Partial free lift		h5 (mm)	7.0.1			
	4.9	Travel position tiller height (min/max)		h14 (mm)	762 / 1232		762 / 1232 90	
	4.15 Forks clearance from the ground			h13 (mm)	85			
	4.19	Total length		I1 (mm)	1869 ⁽⁶⁾		1914 (6)	
	4.20	Length to fork face		12 (mm)	719 ⁽⁶⁾			
	4.21 Total width b1 (mm)							
	4.22			s/e/I (mm)		56/ 175 / 1150 660		
	4.24	Mast width		b3 (mm)				
	4.25	Maximum forks width Cround clearance under the most leaded		b5 (mm)	570		582 min - 658 max ⁽⁸⁾	
	4.31	Ground clearance under the mast loaded		m1 (mm)	/			
		Ground clearance center of wheelbase		4.12 ()	20			
	4.33	Aisle width for 1000x1200 pallet 1200 forking side		Ast3 (mm)	2438			
	4.34	Aisle width for 800x1200 pallet 800 forking side		Ast3 (mm)	2388			
Performance	4.35	Turning radius Traction speed (laden/unladen)		Wa (mm)	1590 ⁽³⁾ 5,5 / 5,5			
Performance	5.1	Lifting speed		km/h				
	5.2		(laden/unladen)	m/s	0,13 / 0,21	0,17 / 0,3	0,13 / 0,21	64 ⁽⁶⁾ 190 15 / 1150 100 105 / 150 100 100 100 100 100 100 100 100 100
	5.3	Lowering speed Gradeability KB30'	(laden/unladen) (laden/unladen)	m/s %	0,31 / 0,31	0,32 / 0,31	0,31 / 0,31	0,3270,31
	5.7	Maximum gradeability KB5'		%	8 / 9 (4)	7 / 9 (4)	8 / 9 (4)	7 / 0 (4)
	5.8	,	(laden/unladen)	70				
Engine		O Service brake Traction motor, performance KB 60'		kW	Electric at butterfly release		Electric at butterfly release	
Engine					1 2,2 ^{(2) (7)}		2,2 (2) (7)	
	6.2	Lift Motor, performance 15% ED Pattery to Pritish Standard / DIN 43521/25/26 A. P. C.		kW				
	6.4	Battery to British Standard / DIN 43531/35/36 A, B, C Volts/ampere		V / Ah	British Standard		British Standard	
	6.5	·			24 / 140 (200-300)	24 / 200 (300)	24 / 140 (200-300)	24 / 200 (300)
Others		Battery weight (+-5%)		Kg	152 (191-250)	191 (250)	152 (191-250)	191 (250)
Others	8.1	Control unit type		dR (A)	Electronic		Electronic	
	0.4	4 Noise level at operator position		dB (A)	< 70		< 70	

*MAF: Mobile Angular forks

I valori riportati si intendono forniti a titolo indicativo e non impegnativo e si riferiscono agli allestimenti standard

⁽¹⁾ With guards for big loads, + 502 mm (2) 1,5 kW for Mono mast (3) With tiller active in vertical position, - 45 mm (4) Max gradeality calculated basing on truck's geometry (5) With Mono mast, + 21 mm; with Tpx mast, - 21 mm

⁽⁶⁾ With Mono mast, - 21 mm; with Tpx mast, + 21 mm
(7) 3 kW as option, for Dpx - Tpx masts
(8) With forks outside the arms (arms internal distance = 270 mm); with forks inside the arms; forks internal distance = 210 max - 134 min (arms external distance = 524 mm)



Ast = Wa +
$$\sqrt{(16-x)^2 + \left(\frac{b_{12}}{2}\right)^2}$$
 + a
Ast = Wa+ R + a

Safety clearance a = 200mm

RESIDUAL CAPACITIES													
Lifts			Mono	Simplex		Duplex		Triplex					
Lifting height	h3	(mm)	1800	2900	3600	2900	3600	4100	4305				
Closed height	h1	(mm)	2299	1999	2349	1953	2303	1870	1938				
Full free lift	h2	(mm)	1789	120	120	1443	1793	1360	1428				
Extended height	h4	(mm)	2310	3410	4110	3410	4110	4610	4815				
Residual capacity CL ^{ac} 10.5 (*)	Q	(kg)	1050	1050	950	1050	950	850	800				
Residual capacity CL ^{ac} 12 (**)	Q	(kg)	1200	1200	1050	1200	1050	900	850				

- (*) Residual capacity at the max heigth, with battery 140 Ah (minimum weigth 154 kg)
- (**) Residual capacity at the max heigth, with battery 200 Ah (minimum weigth 192 kg)

$C\Gamma_{\text{ac}}$

Pedestrian high-lift stacker



The new pedestrian high-lift stacker CL^{2C} is becoming an essential work tool for pallets, cases and container cages' handling, in small/medium size warehouses as well as in all that logistic applications where not-high rotation levels a requested. Furthermore, following the increasing variety of applications within warehouses logistics, the application range of these trucks is rapidly growing, too: more and more often they can be also found in production areas or in loading/unloading bays. Available also the "adjustable angular forks" version to allow the handling of not standard size pallet load units, too.

Design: The likely modern design keeps the existing, well tested and very appreciated, four points configuration with side placed tiller. Compactness is an added-value for these trucks, able to work in narrow spaces, too. Light and smooth shapes make their use more comfortable and safe. The motor compartment and the battery covers are made of high resistance polyethylene, able to absorb the shocks, perfectly integrated in the design.

Chassis: The chassis consists of a main frame made up of die-casted steel panels welded to a widely tested 4 points supporting structure. A great choice of mast configurations ensures a perfect visibility during loading and unloading operations. Nominal capacities of 1050 kg and 1200 kg are available. The traction group and the pivoting wheel are completely enclosed within the chassis dimensions, avoiding safety risks for the operator feet.

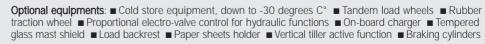


Traction group: The brad-new traction motor introduces the innovative 1 kW power AC 3-phase technology. The electronic traction control allows energy recovery when releasing the butterfly, minimizing energy consumption requested to the battery, motor and brake heating and the necessary stopping distance. The pivoting wheel is easily adjustable in order to maintain perfect contact with the floor and maximum stability

Lift group: Simplex, duplex and triplex high visibility masts with partial or full free lift are fitted on both capacity trucks. Several lift motors are available, from 1.5 to 3.0 kW, according to capacity and lift height. Lift control takes place standard by the lever and optionally by an additional butterfly on the tiller with proportional functioning.

Tiller: The new tiller head allows control of all the lift functions through ergonomically placed buttons to give maximum comfort levels to the operator. Mechanical micro-switches have been replaced by pressure-sensitive buttons.

Electronic control: The stacker is equipped with a unique electronic control by Curtis (with proof-degree IP53), adopting MOSFET technology (with high-frequency commutation transistors), and complete with integral little inverter. To adjust performances to every using condition, speed, acceleration and deceleration parameters can be easily set by console. The use of digital transmission of electrical signals allows to strongly reduce the cables volume. The choice of automotive-type connectors and proximity switches instead of mechanical micro switches and the reduction of contactors have consistently increased the truck reliability.





Technical data are given as an indication.

OM Carrelli Elevatori reserves the right to modify them without notice.

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