



ECL 10/ECL 10M

Economic Power- Electric Stacker Compact and Reliable Design

INTRODUCTION

The ECL10M is an economic walkie-electric stacker, with rated capacity of 1000kg/2200lbs and lifting height from 1600mm/63inch to 3500mm/138inch.

The compact and light design is suitable for a variety low duty applications in warehouses .

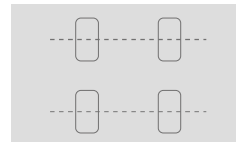
ADVANTAGES

- Ideal solution for low-duty applications.
- Built- in charger for high autonomy.
- Battery discharge indicator with automatic lift cut-off function for higher battery lifetime.
- 4-wheel design with sideways tiller for high stability and perfect view.



Built-in charger

The built-in charger makes operations more autonomy and increases the operating range.



Stability

4-Wheel design with sideways tiller for excellent view and maneuverability as well as high stability.



Robust profile

Robust mast with real mast profiles for perfect stability, accuracy and high lifetime.



Powerful battery

2x12V 85Ah powerful VRLA-AGM main-tenance free batteries (option 2x12V 106Ah).



Battery deep discharge protection

Proofed and ergonomic emergency button and discharge indicator, more robust and reliable than other. The included automatic battery protection ensures high lifetime for the batteries.

Proofed components

Proofed components such as sensors, micro-switches, controller and hydraulic power- pack from international brands.

Fulfilling standards

Fulfilling the actual valid European standards, also in ISO 13849, performance level.

Applications

Ideal economic solution for all indoor low duty and occasional stacking operations.



Optional straddle leg

Adjustable straddle leg design, suitable for diverse pallet sizes and more stability.

Several masts

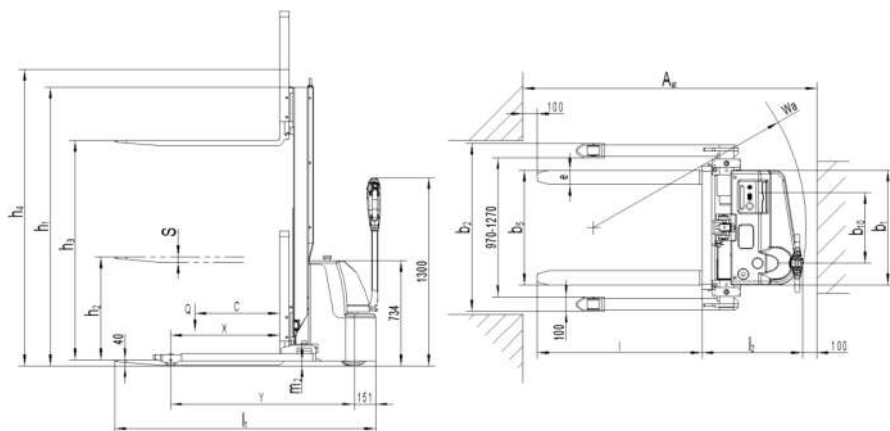
2 single mast versions(1600mm/63inch, 2000mm/78.7inch lift height) and one 2-stage duplex mast with 2900mm/114inch, 3200mm/126inch and 3500mm/138inch (All with perfect view through the mast). b5=686mm/27inch and straddle leg version optional. (b5=569mm/22.4inch standard).

Economic robust handle

Robust but economic handle with steel housing and plastic coating ensures reliable and comfortable operation.

Other type date										
1.2	Manufacturer's type designation		ECL1016	ECL1020	ECL1032	ECL1035	ECL1016 M	ECL1020 M	ECL1032M	ECL1035M
1.8	Load distance ,centre of drive axle to fork	x(mm)	812		800		745		733	
2.1	Service weight	kg	430	450	525	540	676	696	771	786
2.2	Axle loading, laden front/rear	kg	550/880	560/890	590/935	600/940	736/940	756/940	796/975	406/980
2.3	Axle loading, unladen front/rear	kg	335/105	340/110	395/130	405/135	500/176	510/186	540/231	550/236
4.2	Lowered mast height	h1 (mm)	1950	2350	2100	2250	1940	2335	2085	2235
4.3	Free Lift height	h2 (mm)	1530	1930	70	70	1530	1930	70	70
4.4	Lift	h3 (mm)	1530	1930	3140	3440	1530	1930	3140	3440
4.5	Extended mast height	h4 (mm)	1950	2350	3625	3925	2120	2520	3720	4020
4.20	Length to face of forks	l2 (mm)	620		632		688		700	
4.33	Aisle width for pallets 1000X1200 crossways	Ast (mm)	2314		2318		2336		2341	
4.34	Aisle width for pallets 800X1200 lengthways	Ast (mm)	2242		2250		2290		2300	
6.6	Energy consumption acc. to VDI cycle	kWh/h	0.68		0.73		0.71		0.76	

ECL10M



Type sheet for industrial truck acc. to VDI 2198					1KG=2.2LB	1INCH=25.4MM
Distinguishing mark	1.2	Manufacturer's type designation		ECL1029	ECL1029M	
	1.3	Drive		Battery	Pedestrian	
	1.4	Operator type		1.0		
	1.5	Load Capacity / rated load	Q (t)	1.0		
	1.6	Load centre distance	C (mm)	600		
	1.8	Load distance ,centre of drive axle to fork	X (mm)	800	733	
	1.9	Wheelbase	Y (mm)	1281		
	2.1	Service weight	kg	510	756	
	2.2	Axle loading, laden front/rear	kg	580/930	786/970	
Weight	2.3	Axle loading, unladen front/rear	kg	385/125	530/226	
	3.1	Tires		Polyurethane (PU)		
Tyres, chassis	3.2	Tire size, front	Ø x w (mm)	Ø220 x 70		
	3.3	Tire size, rear	Ø x w (mm)	Ø84 x 70		
	3.4	Additional wheels(dimensions)	Ø x w (mm)	Ø124 x 60		
	3.5	Wheels, number front/rear(x=driven wheels)		1x+1 / 2		
	3.6	Tread, front	b10 (mm)	529		
	3.7	Tread, rear	b11 (mm)	—	—	
	4.2	Lowered mast height	h1 (mm)	1950	1940	
	4.3	Free Lift height	h2 (mm)	70	70	
	4.4	Lift	h3 (mm)	2840	2740	
Dimensions	4.5	Extended mast height	h4 (mm)	3325	3420	
	4.9	Height of tiller in drive position min./ max.	h14 (mm)	785/1300		
	4.15	Height, lowered	h13 (mm)	85	40	
	4.19	Overall length	l1 (mm)	1800	1838	
	4.20	Length to face of forks	l2 (mm)	632	700	
	4.21	Overall width	b1/b2(mm)	800	800(1170-1470)	
	4.22	Fork dimensions	s/e/l (mm)	60/150/1150	35/100/1150 ¹⁾	
	4.25	Distance between fork- arms	b5 (mm)	570/685	282-800	
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	29	35	
	4.33	Aisle width for pallets 1000X1200 crossways	Ast (mm)	2318	2341	
	4.34	Aisle width for pallets 800X1200 lengthways	Ast (mm)	2250	2300	
	4.35	Turning radius	Wa (mm)	1485		
Performance data	5.1	Travel speed, laden/ unladen	km/h	4.3/4.5		
	5.2	Lift speed, laden/ unladen	m/s	0.11/0.16		
	5.3	Lowering speed, laden/ unladen	m/s	0.13/0.11		
	5.8	Max. gradeability, laden/ unladen	%	5/10		
	5.10	Service brake		Electromagnetic		
	6.1	Drive motor rating S2 60min	kW	0.45		
Electric- Motor	6.2	Lift motor rating at S3 7.5%	kW	2.2		
	6.3	Battery acc. to DIN 43531/ 35/ 36 A, B, C, no		no		
	6.4	Battery voltage, nominal capacity K5	V/Ah	2X 12/ 85 ²⁾		
	6.5	Battery weight	kg	2X 25		
	6.6	Energy consumption acc. to VDI cycle	kWh/h	0.73	0.76	
Additional data	8.1	Type of drive control		DC- Speed Control		
	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	< 70		

For specifications of the other lifting heights, please refer to the other type data. 1) Optional:35/100/950 2) Optional:2x12V/106/Ah



ECL 10SC

Electric Stacker with scale

Totalising function
Adds up multiple pallet weights to a total weight per shipment or order, also for avoiding overloads. When weight is added, the display shows the new total weight and the number of pallets weighed. This permits the user to verify that he did not forget to weigh any pallets or weighed the same pallet twice.

Standard ESR-ST-4 kit for ECL10SC:

- Tolerance: +/-0.4% of the rated truck capacity 1000kg(max +/-4kg) by standard loadcells.
- Graduation in 1 and 2kg steps(multirange).
- Scale functions: zero correction, gross/net weighing, total weight.
- Power supply: 4x1.5V AA batteries.
- Low battery warning + auto shut off function after 3 minutes.

High battery autonomy

Four standard AA-batteries (2.7Ah) allow 70 hours of use. The automatic sleep mode assures that 4200 weighting actions can be taken. In most common use this means that batteries will have to be changed* only one time per year (*or charged if rechargeable batteries are used).

High contrast display

Display can be read from any angle: when operator is standing near the pallet for dosing, or for adding products to the pallet by weight. The display does not need a backlight because it reads extremely well at ambient light conditions.

Big function keys that "click"

When pushing the function keys, the operator senses a "click" movement. Even when working with gloves, the operator feels whether he has pressed the key properly.

OPTIONAL

Option 1: Improved Accuracy

- Tolerance: +/-0.2% of the rated truck capacity by better loadcells.
- Graduation in 1kg steps for the full range.

Option 2: Power supply by truck battery

- Internal power converter with input range 12-40V.



Technical data sheet for industrial trucks acc. to VDI 2198 1KG=2.2LB 1INCH=25.4MM

Distinguishing mark	1.2	Manufacturer's type designation		ECL10SC
	1.3	Drive		Electric
	1.4	Operator type		Pedestrian
	1.5	Load Capacity / rated load	Q(t)	1.0
	1.6	Load centre distance	c(mm)	600
	1.8	Load distance ,centre of drive axle to fork	x(mm)	780
Weight	1.9	Wheelbase	Y(mm)	1281
	2.1	Service weight	kg	570
	2.2	Axle loading, laden front/rear	kg	590/960
Tires, chassis	2.3	Axle loading, unladen front/rear	kg	405/145
	3.1	Tires		Polyurethane (PU)
	3.2	Tire size, front	Øx w (mm)	Ø220 x 70
	3.3	Tire size, rear	Øx w (mm)	Ø80x93
	3.4	Additional wheels(dimensions)	Øx w (mm)	Ø124x60
	3.5	Wheels, number front/rear(x=driven wheels)		1x+1/2
	3.6	Track, front	b10mm	529
Dimensions	3.7	Track, rear	b11 (mm)	420/535
	4.2	Lowered mast height	h1 (mm)	1950
	4.3	Free Lift height	h2 (mm)	70
	4.4	Lift	h3 (mm)	2808
	4.5	Extended mast height	h4 (mm)	3325
	4.9	Height of tiller in drive position min./ max.	h14mm	785/1300
	4.15	Height, lowered	h13mm	92
	4.19	Overall length	l1mm	1820
	4.20	Length to face of forks	l2mm	652
	4.21	Overall width	b1mm	800
	4.22	Fork dimensions	s/e/l (mm)	83/167/1150
	4.25	Distance between fork-arms	b5 (mm)	584
	4.32	Ground clearance, centre of wheelbase	m2mm	9
Performance data	4.33	Aisle width for pallets 1000X1200 crossways	Ast (mm)	2318
	4.34	Aisle width for pallets 800X1200 lengthways	Ast (mm)	2250
	4.35	Turning radius	Wa (mm)	1485
	5.1	Travel speed, laden/ unladen	km/h	4.3/4.5
	5.2	Lift speed, laden/ unladen	m/s	0.11/0.16
Electric- engine	5.3	Lowering speed, laden/ unladen	m/s	0.13/0.11
	5.8	Max. gradeability, laden/ unladen	%	5/10
	5.10	Service brake		electromagnetic
	6.1	Drive motor rating S2 60min	kW	0.45
	6.2	Lift motor rating at S3 7.5%	kW	2.2
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		no
Additional data	6.4	Battery voltage, nominal capacity K5	V/Ah	2X 12/ 85 ¹⁾
	6.5	Battery weight	kg	2X25
	6.6	Energy consumption acc: to VDI cycle	kWh/h	0.73
	8.1	Type of drive control		DC- Speed Controller
	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	< 70

Water and dust proof to norm IP65

One of the most important characteristics for a reliable mobile scale. IP65 means that the pallet truck scale can be used outside or lorries and be cleaned with water (but not by high pressure !!!) The load cells in the forks have an even higher protection level.

Product is CE conform for Europe and FUC conform for the USA

