

Tri-Lateral Stacker



Model:
OPTS15
(VNA Man-up)

Conform to
EN 1175:2020 EN ISO 12100
EN 16307-1 EN ISO 3691-1
EN 12053 EN 13059
EN ISO 3691-3



With comfortable seat and adjustable panel. Front panoramic window made of safety glass for protection and a clear view of front forks.



Overhead guard with fans and working light .



Have sensor inside the back of truck to monitor obstacle to ensure safety operation space .



Multifunction LCD combination Instrument with Intelligent operation system .



With sideway battery rollers offers quick changes.



Side Guide roller (standard)



Fork carriage can rotates 180 degrees, flexible for operation in high racking with small aisle.

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Advantages:

- Designed with 3-point support structure, low central gravity, great steering stability and small turning radius.
- 2 sets of energy regeneration system to save energy and lower cost independently.
- Lifting mast with high torsion resistance lifts up surplus load and reduces its shaking.
- Full AC driving control technology provides stronger power and higher efficiency.
- Intelligent management system and CAN-Bus system are able to meet various needs, making the truck secure and reliable.
- Multi-axis control technology promotes work efficiency.
- Self-balancing control technology with high central gravity over loading shows fine stability of the truck.
- Interlock control between height and speed during travelling ensures the truck's dynamic stability.
- Multi-level security alarming system includes laser anti collision sensor, emergency stop, audible and visible alarms to make sure both personal and machinery security around.
- Ergonomic handle eases the operation. Powerful and multi-functional LCD instrument cluster at the middle of the operating bridge.
- Adopt an operating bridge with adjustable tilt angle and height to meet ideal position of the operator by adjusting the seat back and forth.
- Imported & well known branded driving wheel, EM controlling valve, controller, contactor, steering potentiometer, etc.
- 3 speed modes: slow, medium, fast are optional for different work conditions.
- On-board diagnostic system ensures relevant maintenance and prompt repair.



Standard configuration

1	Duplex mast	12	Germany driving wheel
2	Fork length 1070mm	13	Metal stamping left and right side panels and hood
3	Hydraulic control system with Magnetic valve	14	Emergency power off switch
4	High performance and high torque AC drive motor	15	Reversing buzzer
5	High performance and large torque oil pump motor	16	Imported connectors
6	Platform adjustable mechanism for up and down, front and rear	17	Sports terminal intelligent buffer
7	Multifunction LCD combination instrument (including soft keys)	18	Rear mirror
8	LED side light, LED instruction light, LED read light	19	CANbus system
9	Seat with cushion with safety belt	20	Italy imported low noise gear pump
10	With three Curtis controller for driving, steering and lifting	21	Sideway Battery 80V/560AH
11	Integrated front pedal	22	Charger 80V/80A

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Technical parameters

1KG=2.205LB 1INCH=25.40MM				
Model	OPTS15(6M)	OPTS15(6.5M)	OPTS15(8M)	
Features	1.2	Power	ELECTRIC	ELECTRIC
	1.3	Operation type	TRI-LATERAL-REACH TRUCK	TRI-LATERAL-REACH TRUCK
	1.4	Load capacity / Rated load	Q(kg)	1500
Weight	1.5	Load capacity at max height	Q(kg)	1500
	1.6	Load centre distance	c(mm)	600
	1.7	Load distance, centre of drive axle to fork	x(mm)	485±10
Types	1.8	Wheelbase	y(mm)	1928±20
	1.9	Centre drive wheel/Counter weight	z(mm)	280
	2.0	Service weight incl. battery (see line 6.5)	kg	7705
Dimensions	2.1	Aisle loading, laden front / rear	kg	7340/1765 lengthways
	2.2	Aisle loading, unladen front / rear	kg	4580/2925
	2.3	Tyre size, front	PU	380x192
Performance Data	2.4	Tyre size, rear	PU	400x160
	2.5	Wheels, number front / rear (x = driven wheels)	2/1x	2/1x
	2.6	Front wheel distance	b10(mm)	1362±10
Motor	2.7	Closed height of mast	b11(mm)	3498±20
	2.8	Lifting height	b12(mm)	4260
	2.9	Overall height, mast extended	b13(mm)	6828±20
Battery	3.0	Height of overhead guard	b14(mm)	2564±20
	3.1	Platform height	b15(mm)	442±10
	3.2	Auxiliary lifting height	b16(mm)	1740
Others	3.3	Platform height, lifted	b17(mm)	4702±20
	3.4	Overall length (unladen)	b18(mm)	3805±20
	3.5	Truck body length, w/o fork	b19(mm)	3470±20
Others	3.6	Overall width	b110(mm)	1210/1555
	3.7	Fork dimensions	s/s1(mm)	50x120x1070
	3.8	Fork carriage ISO 2328, class / type A, B	2/8	2/8
Others	3.9	Fork carriage width	b3(mm)	908
	4.0	Width over forks	b5(mm)	870
	4.1	Width across guide roller	b6(mm)	1630
Others	4.2	Side extended distance	b7(mm)	1300±20
	4.3	Side extended distance to center of truck	b8(mm)	480
	4.4	Ground clearance, laden, under mast	m1(mm)	80
Others	4.5	Ground clearance, centre of wheelbase	m2(mm)	80
	4.6	Aisle width for pallets 1200 x 1200	Ast1(mm)	1700
	4.7	Aisle width for pallets 1200 x 800	Ast2(mm)	4200
Others	4.8	Turning radius	Wa(mm)	2220±20
	4.9	Front axle to fork turning center distance	Wb(mm)	1150
	5.0	Total lifting height	h3±h5(mm)	6000
Others	5.1	Max pick up height	h12±1600(mm)	6002±20
	5.2	Distance from fork rotation center to front overhang	B-x(mm)	650
	5.3	Pallet width	b12(mm)	1200
Others	5.4	Pallet length	B5(mm)	1000
	5.5	Net width of cabin	mm	420
	5.6	Net height of cabin	mm	2070±20
Others	5.7	Overall width of cabin	b9(mm)	1430±10
	5.8	Rotating front extension carriage width	b14(mm)	1488
	5.9	Cart/lifter width	b10(mm)	175
Others	6.0	Distance from fork pivot to fork carriage	r(mm)	155
	6.1	Travel speed, laden / unladen	km/h	10/10
	6.2	Lift speed, laden / unladen	mm/s	280/300
Others	6.3	Lowering speed, laden / unladen	mm/s	320/300
	6.4	Moving speed, laden / unladen	mm/s	190/200
	6.5	Service brake	regenerative brake	regenerative brake
Others	6.6	Parking brake	electro magnetic	electro magnetic
	6.7	Drive motor rating 52 60 min	KW	7.5(A/C)
	6.8	Lift motor rating at 55 15%	KW	20(A/C)
Others	6.9	Pressure of system	bar	200
	7.0	Battery acc. to DIN 43531 / 35 / 36 A, B, C, no		4P25560
	7.1	Battery voltage, nominal capacity K5	V/Ah	80/560
Others	7.2	Battery weight	kg	1480(1450-1510)
	7.3	Traction control type	AC	AC
	7.4	Sound level at driver's ear according to EN 12 053 dB (A)	dB(A)	68
Others	7.5	Steering	EPS	EPS

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Features	1.2	Power	ELECTRIC	ELECTRIC
	1.3	Operation type	TRI-LATERAL-REACH TRUCK	TRI-LATERAL-REACH TRUCK
	1.4	Load capacity / Rated load	Q(kg)	1500
Weight	1.5	Load capacity at max height	Q(kg)	1500
	1.6	Load centre distance	c(mm)	600
	1.7	Load distance, centre of drive axle to fork	x(mm)	485±10
Types	1.8	Wheelbase	y(mm)	1928±20
	1.9	Centre drive wheel/Counter weight	z(mm)	280
	2.0	Service weight incl. battery (see line 6.5)	kg	8405
Dimensions	2.1	Aisle loading, laden front / rear	kg	7760/2115 lengthways
	2.2	Aisle loading, unladen front / rear	kg	4580/3425
	2.3	Tyre size, front	PU	380x192
Performance Data	2.4	Tyre size, rear	PU	400x160
	2.5	Wheels, number front / rear (x = driven wheels)	2/1x	2/1x
	2.6	Front wheel distance	b10(mm)	1362±10
Motor	2.7	Closed height of mast	b11(mm)	5098±20
	2.8	Lifting height	b12(mm)	7460
	2.9	Overall height, mast extended	b13(mm)	10128±20
Battery	3.0	Height of overhead guard	b14(mm)	2564±20
	3.1	Platform height	b15(mm)	442±10
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Others	3.3	Platform height, lifted	b17(mm)	7902±20
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* Option: Lithium battery 80V/550AH (Charger 80V/200A)