

VELIA EM

SECOND LEVEL ORDER PICKERS

1.0 tonnes

THE QUICK AND EASY NEXT-LEVEL ORDER PICKER

In order picking, where the pressure is on, trucks are put to the test. And only the strongest survive. Our VELIA EM range of second-level order pickers is truly exceptional. Developed for efficient and safe picking, this 1000 kg workhorse does more than protect your operators... it works harmoniously with them, too.

SPECIFICATIONS

OPBL10P

WHEN
RELIABILITY IS
EVERYTHING...

OPBL10P Series



VELiA EM

OPBL10P Series

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Take its ultra-low step height. At just 160mm, it's up to 45% lower than some competitors. But, more than that, it significantly reduces your operator's efforts, as well as the risk of slips, trips and falls.

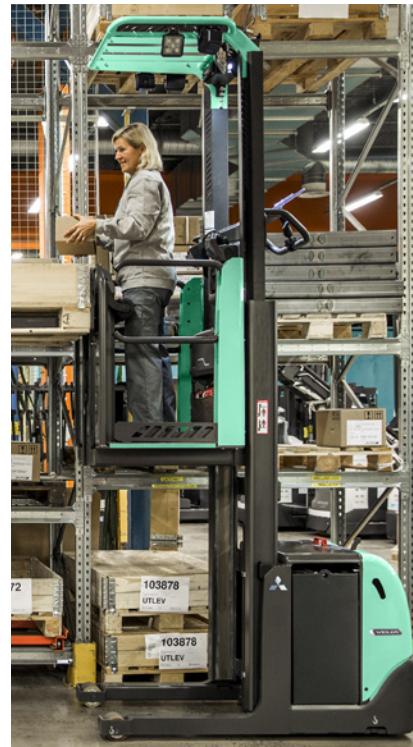
And then there's VELiA EM's wide entry. At 603 mm wide, it can accommodate drivers of all sizes in comfort.

FRAME AND BODY

- MaxVision**
(option not standard) mast and overhead guard maximises operator field of vision for increased productivity and safety.
- Robust construction**
ensures smooth, stable ride and excellent picking performance.
- Wraparound steel bumper**
increases durability and operator protection.

DRIVE

- Powerful AC motor**
means high drive speed and acceleration – even when loaded – plus smooth, quiet, controlled operation, extended shift length and lower maintenance requirements.
- ECO mode**
reduces energy consumption – without compromising on performance.
- High-speed option**
increases speed from 9 to 12 km/hr.



ELECTRICAL AND CONTROL SYSTEMS

- Performance setting**
Operator can quickly change performance mode within their allowed performance range to match various handling situations.

OPERATOR COMPARTMENT AND CONTROLS

- Class-leading step height (just 160mm)**
offers easy on/off access to keep operators alert and productive throughout shifts.
- Easy-access operator's compartment**
is spacious and features widest entry in its class for faster mounting and dismounting.
- EasyLift design**
(standard with 1800mm model) allows operators to raise/lower the pallet to comfortable heights during picking and retrieving, reducing the risk of back strain.
- High-visibility cabin**
maximises forward views for reduced damage risk, while increasing operator comfort and efficiency.
- Operator Presence Sensor**
covers a wide area – allowing for free operator movement, while eliminating a common trip hazard.
- Super-grip floor**
is non-slip ensuring operators are safe, for confident operations.
- PIN-code access**
for up to 100 users is possible – preventing unauthorised use.

- Battery discharge indicator**
keeps operators aware of battery discharge levels – ensuring high-efficiency operations and long battery life.
- MaxPro side-access gates with automatic sensors**
prevent unsafe use of truck with gates open at heights above 1200 mm.
- Easy-access storage compartments**
ensure pickers have everything they need to work productively within easy reach.
- Ergonomic steering wheel**
offers smooth controlled movement to keep operators alert and operations precise.

OTHER FEATURES

- Rapid battery access**
reduces time needed for daily checks and maintenance – for maximum uptime.
- Robust battery rollers**
speed up changeovers – ensuring pickers can focus on their job.



For more information on VELiA EM please visit our website



mft2.eu/veliaem

VDI - PERFORMANCE & DIMENSIONS

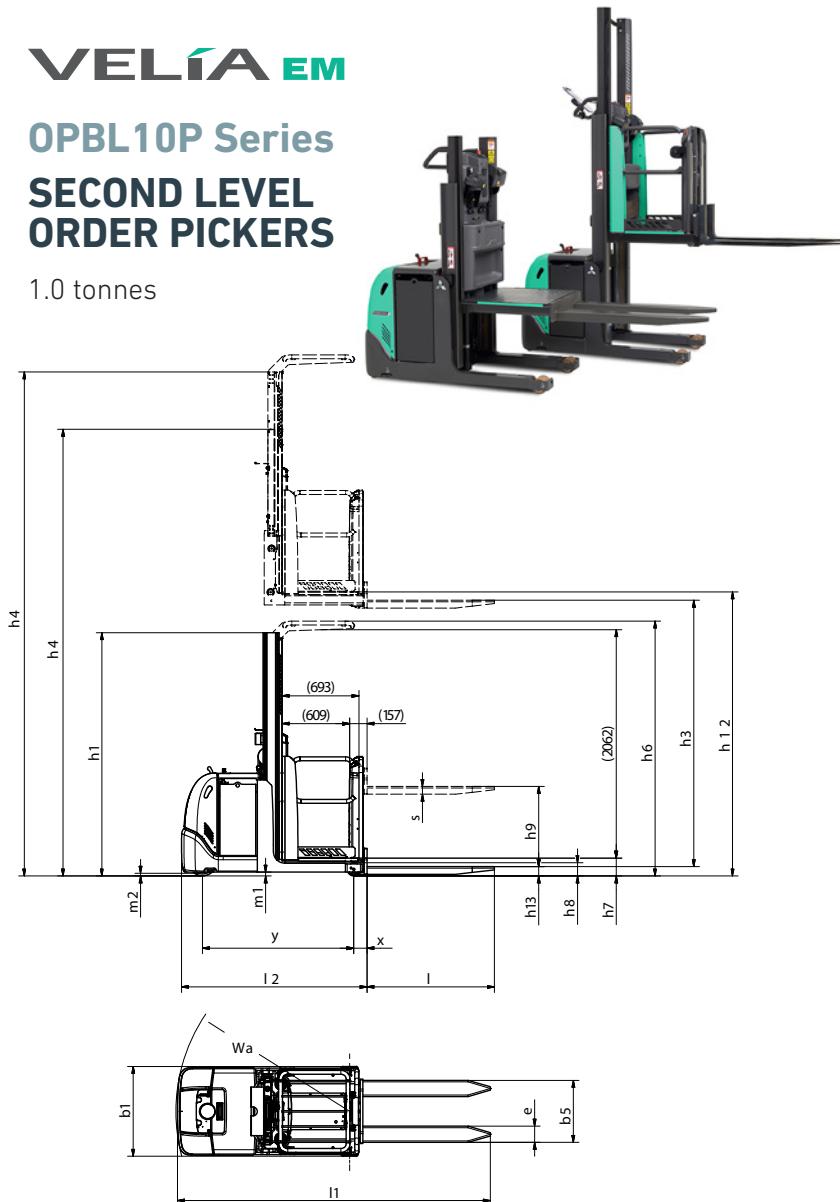
CHARACTERISTICS		Mitsubishi Forklift Trucks		Mitsubishi Forklift Trucks	
1.1	Manufacturer			OPBL10P 1200mm Platform Lift	OPBL10P 1800mm Platform Lift
1.2	Manufacturer's model designation			Battery	Battery
1.3	Power source: (battery, diesel, LP gas, petrol)			Stand-on	Stand-on
1.4	Operator type: pedestrian, (operator)-standing, -seated			1000 ¹	1000 ¹
1.5	Load capacity	Q	kg	600	600
1.6	Load center distance	c	mm	100	120
1.8	Load wheel axle to fork face (forks lowered)	x	mm	1371	1371
1.9	Wheelbase	y	mm		
WEIGHT					
2.1b	Truck weight without load, with maximum battery weight		kg	1500	1650
2.2	Axle loadings with nominal load & maximum battery weight, drive/load side		kg	470 / 2030	480 / 2170
2.3	Axle loadings without load & with maximum battery weight, drive/load side		kg	990 / 510	990 / 660
WHEELS, DRIVE TRAIN					
3.1	Tyres: PT=Power Thane, Vul=Vulkollan, drive/load side			Vul / Vul	Vul / Vul
3.2	Tyre dimensions, drive side		mm	250 x 105	250 x 105
3.3	Tyre dimensions, load side		mm	120 x 115	120 x 115
3.5	Number of wheels, load/drive side (x=driven)			2 / 1x	2 / 1x
3.7	Track width (center of tyres), load side	b11	mm	674	674
DIMENSIONS					
4.2a	Height with mast lowered	h1	mm	1710	2276
4.4	Lift height (without h9)	h3	mm	1040	1640
4.5	Height with mast extended	h4	mm	2670	3790
4.7	Height to top of overhead guard	h6	mm	2300	2300
4.8	Seat- or stand height	h7	mm	160-1200	160-1800
4.10	Height of support legs	h8	mm	115	115
4.11	Supplementary lift	h9	mm	723	723
4.14	Platform height, raised	h12	mm	1200	1800
4.15	Fork height, fully lowered	h13	mm	90	90
4.19	Overall length	l1	mm	2805	2825
4.20	Length to fork face	l2	mm	1655	1675
4.21	Overall width	b1	mm	810	810
4.22	Fork dimensions (thickness, width, length)	s/e/l	mm	70 / 147 / 1150	70 / 147 / 1150
4.24	Fork carriage width	b3	mm	560	560
4.25	Outside width over forks (minimum/maximum)	b5	mm	450-700	450-700
4.32	Ground clearance at center of wheelbase, (forks lowered)	b4	mm	35	35
4.33a	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise	Ast	mm	Platform/load width + 90 mm clearance each side	
4.33b	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast	mm	3131	3150
4.35	Turning radius	Wa	mm	1570	1570
4.41	Transfer aisle width (pallet 1000 x 1200 mm lengthwise & 200 mm clearance)	Au	mm	Platform/load width + 90 mm clearance each side	
PERFORMANCE					
5.1	Travel speed, with/without load	km/h	9 / 9	9 / 9	
5.2	Lifting speed, with/without load	m/s	0.12 / 0.20	0.11 / 0.19	
5.3	Lowering speed, with/without load	m/s	0.25 / 0.23	0.24 / 0.22	
5.8	Maximum gradeability, with/without load	%	10.2	10.2	
5.9	Acceleration time (10 metres) with/without load	s	5.6 / 4.9	5.5 / 4.8	
5.10	Service brake			Regenerative / electrical	Regenerative / electrical
ELECTRIC MOTORS					
6.1	Drive motor capacity (60 min. short duty)	kW	2.7	2.7	
6.2	Lift motor output at 15% duty factor	kW	2.2 (5%)	2.2 (5%)	
6.3	Battery to DIN 43 531/35/36 A/B/C/no		BS	BS	
6.4	Battery voltage/capacity at 5-hour discharge	V/Ah	24 / 600	24 / 600	
6.5	Battery weight	kg	450 - 500	450 - 500	
MISCELLANEOUS					
8.1	Type of drive control		AC Traction	AC Traction	
10.7	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ	dB(A)	57	57	
10.7.2	Whole-body vibration (EN 13 059:2002)		0.03	0.03	
10.7.3	Hand-arm vibration (EN 13 059:2002)		0.73	0.73	

1) If adjustable forks, then load capacity is max 900 kg on LC 600 mm

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1.0 tonnes



Ast = Wa + R + a
 Ast = Working aisle width
 Wa = Turning radius
 a = Safety clearance = 2 x 100 mm
 R = $\sqrt{(l6 + x)^2 + (b12/2)^2}$
 l6 = Pallet length (800 or 1000 mm)
 x = Load wheel axle to fork face
 b12 = Pallet width (1200 mm)
 b1/b2 = Overall width

MAST PERFORMANCE AND CAPACITY

VELIA EM

OPBL10P Series

OPBL10P 1200 MM PLATFORM LIFT						NO EASYLIFT		WITH EASYLIFT (Stroke EasyLift 720 mm)	
MAST TYPE	h12 mm	h1 mm	h4 mm	h mm	c mm	FIXED FORKS	FIXED FORKS	ADJUSTABLE FORKS	
	Platform floor height	Closed mast height	Height with mast extended	Fork height	Load centre distance	Max capacity	Max capacity	Max capacity	
SIMPLEX	1200	1710 (pillars)	2670	h12 - 70 = 1130 No EasyLift	400-600	1000	-	-	
				400-600	-	1000	n/a		
				h12 - 70 + 720 = 1850 With EasyLift	400-500	-	1000	1000	
				600	-	1000		900	

Load deration based on load evenly spread along the forks

OPBL10P 1800 MM PLATFORM LIFT						WITH EASYLIFT (Stroke EasyLift 720 mm)	
MAST TYPE	h12 mm	h1 mm	h4 mm	h mm	c mm	Q kg	Q kg
	Platform floor height	Closed mast height	Height with mast extended	Fork height	Load centre distance	Max capacity	Max capacity
SIMPLEX	1800	2276	3790 (pillars)	h12 - 70 + 720 = 2450	400-600	1000	n/a
				400-500	1000	1000	
				600	1000		900

Load deration based on load evenly spread along the forks

h12 Lift height
 h1 Closed mast height
 h4 Height with mast extended
 h Fork height EasyLift raised
 c Load centre (distance)
 Q Lifting capacity, rated load



Models shown: OPBL10P 1200mm platform lift, OPBL10P 1200mm platform lift with optional EasyLift, OPBL10P 1800mm platform lift

STANDARD EQUIPMENT & OPTIONS

● = Standard
● = Option

GENERAL

Multifunctional colour display
PIN code log in, 99 codes
Key switch entry
Drive and lift controls on mast side
Operators presence sensor in floor
Cornering control
MaxPro gates
Warning light
Battery on steel rollers

ENVIRONMENT

Chill store design, with rust protected axles
Cold store design, 0°C to -30°C

DRIVE, LIFT CONTROLS

EasyLift
Extra buttons for EasyLift (mast side)
Walk beside, drive buttons + EasyLift buttons

SAFETY

MaxVision overhead guard
Gate interlock, <1200 mm platform height
Gate open audible warning, >415 mm platform lift

OTHER

Increased drive speed, 12 km/h
Mini steering wheel
Key switch entry
Light in cabin, for racks
Light in cabin, for interior
Radio with MP3
Converter 24-12 V, 8 A, 96 W outlet
12 V / 8 A DC power socket
Equipment holder, RAM system, Size C
Foldable driver's cushion
Comfort fan for driver
Extra storage in platform

	OPBL10P PLATFORM LIFT 1200 MM	OPBL10P PLATFORM LIFT 1800 MM
Multifunctional colour display	●	●
PIN code log in, 99 codes	●	●
Key switch entry	●	●
Drive and lift controls on mast side	●	●
Operators presence sensor in floor	●	●
Cornering control	●	●
MaxPro gates	●	●
Warning light	●	●
Battery on steel rollers	●	●
Chill store design, with rust protected axles	●	●
Cold store design, 0°C to -30°C	●	●
EasyLift	●	●
Extra buttons for EasyLift (mast side)	●	●
Walk beside, drive buttons + EasyLift buttons	●	●
MaxVision overhead guard	●	●
Gate interlock, <1200 mm platform height	●	●
Gate open audible warning, >415 mm platform lift	●	●
Increased drive speed, 12 km/h	●	●
Mini steering wheel	●	●
Key switch entry	●	●
Light in cabin, for racks	●	●
Light in cabin, for interior	●	●
Radio with MP3	●	●
Converter 24-12 V, 8 A, 96 W outlet	●	●
12 V / 8 A DC power socket	●	●
Equipment holder, RAM system, Size C	●	●
Foldable driver's cushion	●	●
Comfort fan for driver	●	●
Extra storage in platform	●	●

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EasyLift control

Optional driver's cushion

Walk-beside control

Robust battery rollers

WHEN RELIABILITY IS EVERYTHING...



VELIA
THE FRONT RUNNER

With a name that reflects the speed of its work, VELIA is always ahead of the pack — thanks to award-winning productivity and ergonomics.

Swift, versatile and manoeuvrable, there is a VELIA order picker to meet every need.

Like any product bearing the "MITSUBISHI" name our materials handling equipment benefits from the tremendous heritage, huge resources and cutting-edge technology of one of the world's largest corporations – Mitsubishi Heavy Industries Group.

Engineering spacecraft, jet planes, power plants and more, MHI specialises in those technologies where performance, dependability and superiority decide your success or failure...

So when we promise you quality, reliability and value for money, you know it's a guarantee we have the power to deliver.

That's why every model in our award-winning and comprehensive range of lift trucks and warehouse equipment is built to a high specification – to ensure it keeps working for you. Day after day. Year after year. Whatever the job. Whatever the conditions.

YOU'LL NEVER WORK ALONE

As your local authorised dealer, we are here to keep your trucks working – through our extensive experience, our technical excellence and our commitment to customer care.

We are your local experts, backed by efficient channels to the entire organisation of Mitsubishi Forklift Trucks.

No matter where you are, we are close by – with the capability to meet your needs.

Discover how Mitsubishi Forklift Trucks give you more from your local authorised dealer or when you visit our website www.mitforklift.com

Performance specifications may vary depending on standard manufacturing tolerances, vehicle condition, types of tyres, floor or surface conditions, applications or operating environment. Trucks may be shown with non-standard options. Specific performance requirements and locally available configurations should be discussed with your distributor of Mitsubishi forklift trucks. We follow a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.

info@mitforklift.com

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Mitsubishi Logisnext Europe B.V.
Hefbrugweg 77, 1332 AM Almere
The Netherlands
Tel: +31 (0)36 5494 411



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