

VELiA EM

OPBL10P Series

# 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



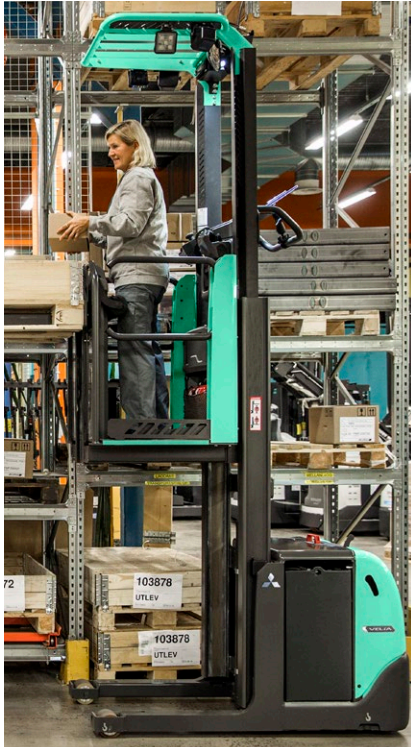
WHEN  
**RELIABILITY IS  
EVERYTHING...**

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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) overhead guard maximises operator field of vision for increased productivity and safety.
- **Robust design** 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 CONTROL SYSTEMS

- **Performance setting** – including pre-set modes – allows instant programming without special tools.

- **On-board diagnostics and fault memory folder** keep operator and service engineer aware of any problems, speed up servicing and help prevent damage.

#### OPERATOR ENVIRONMENT & 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 and optional with 1200mm 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** (standard with EasyLift design and optional with 1200mm lift without EasyLift design) 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.



There is more information on VELiA EM on [mitforklift.com](http://mitforklift.com)

For more extensive information please visit our website [mitforklift.com](http://mitforklift.com)



[mft2.eu/veliaem](http://mft2.eu/veliaem)

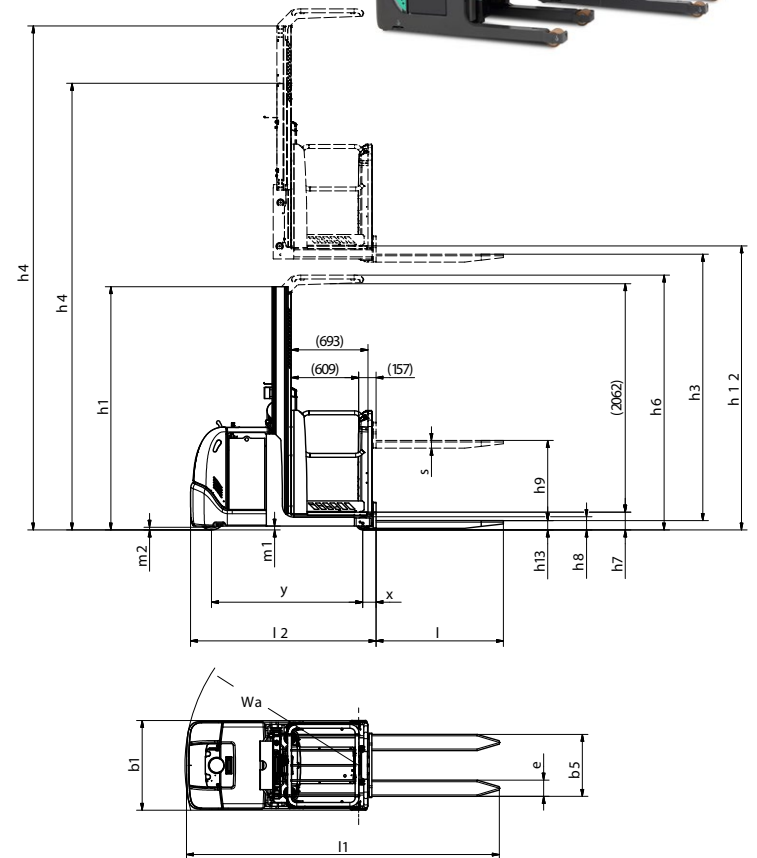
# VDI - PERFORMANCE & DIMENSIONS

CHARACTERISTICS				WITHOUT EASYLIFT	WITH EASYLIFT
1.1	Manufacturer			Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks
1.2	Manufacturer's model designation			OPBL10P	OPBL10P
1.3	Power source: (battery, diesel, LP gas, petrol)			Battery	Battery
1.4	Operator type: pedestrian, (operator)-standing, -seated			Stand-on	Stand-on
1.5	Load capacity	Q	kg	1000	1000
1.6	Load center distance	c	mm	600	600
1.8	Load wheel axle to fork face (forks lowered)	x	mm	100	120
1.9	Wheelbase	y	mm	1371	1371
WEIGHT					
2.1b	Truck weight without load, with maximum battery weight		kg	2500	2650
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	1630	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
4.25	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	
4.34a	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 / 486-600	24 / 486-600
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

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Ast =  $Wa + R + a$   
 Ast = Working aisle width  
 Wa = Turning radius  
 a = Safety clearance =  $2 \times 100$  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



## 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	1630 (pillars)	2670	h12 - 70 = 1130 No EasyLift	400-600	1000	-	-
				h12 - 70 + 720 = 1850 With EasyLift	400-600	-	1000	n/a
					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	FIXED FORKS	ADJUSTABLE FORKS
	Platform floor height	Closed mast height	Height with mast extended	Fork height	Load centre distance	Q kg	Q kg
SIMPLEX	1800	2196	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

	OPBL10P PLATFORM LIFT 1200 MM	OPBL10P PLATFORM LIFT 1800 MM
<b>GENERAL</b>		
Micro-computer incl. Hour meter and battery indicator	●	●
PIN code log in, 100 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	●	●
<b>ENVIRONMENT</b>		
Chill store design, with rust protected axles	●	●
Cold store design, 0C° to -35C°	●	●
<b>DRIVE, LIFT CONTROLS</b>		
Easylift	●	●
Extra buttons for Easylift (mast side)	●	●
Walk beside, drive buttons + EasyLift buttons	●	●
<b>SAFETY</b>		
MaxVision overhead guard	●	●
Gate interlock, <1200 mm platform height	●	●
Gate open audible warning, >415 mm platform lift	●	●
<b>OTHER</b>		
Increased drive speed, 12 km/h	●	●
Easyview display with steering wheel indicator	●	●
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	●	●
Fire extinguisher	●	●

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EasyLift control



Optional driver's cushion



Walk-beside control



Robust battery rollers



# WHEN RELIABILITY IS EVERYTHING...



## VELiA THE FRONT RUNNER

When developing the award-winning VELiA family of low, mid and high level order pickers, our primary aim was to deliver exceptional productivity through unrivalled ergonomics and driveability.

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.

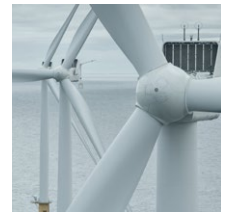
No matter where you are, we are close by – with the capability to meet your needs.

Discover how Mitsubishi Forklift Trucks give you more from your local authorised dealer or when you visit our website [www.mitforklift.com](http://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.

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