

MAVERICK

FORKLIFT

ELECTRIC HEAVY DUTY FORKLIFT SERIES

10T/12T/15T/16T/20T/25T



POWER LIFT YOUR BUSINESS

WWW.MAVERICKFORKLIFT.COM

PRODUCT-10TON/12TON/MINI15TON

	PERFORMANCE	MVF-100EL	MVF-120EL	MVF-150EL
Basic parameters	Rated Lifting Capacity	10000kg	12000kg	15000kg
	Load Center	600mm	600mm	600mm
	Operation Weight	14500kg	20500kg	21000kg
	Lifting Height	2850mm	3000mm	3000mm
Transmission	Tilt Angle (F/R)	6°/12°	6°/12°	6°/12°
	Transmission gears	Electric Motor Direct Drive	Electric Motor Direct Drive	Electric Motor Direct Drive
	Driving speed (Load/Unload)	16 / 20 km/h	16 / 20 km/h	16 / 20 km/h
	Gradeability	20%	15%	15%
	Rated Traction	60kN	60kN	60kN
Driving motor parameters	Motor Type	Permanent magnet synchronous motor		
	Motor rated power	90kW	90kW	90kW
	Rotation Speed	3500rpm	3500rpm	3500rpm
Pump motor	Motor Type	Permanent magnet synchronous motor		
	Motor rated power	74kW	74kW	74kW
	Rotation Speed	1800rpm	1800rpm	1800rpm
Battery parameter	Type of battery	Lithium iron phosphate		
	Rated storage power of the battery	141kWh	175kWh	175kWh
	Battery rated capacity	228Ah	302Ah	302Ah
	Voltage	618V	579.6V	579.6V
	Full charge and discharge cycles	2800C	2800C	2800C
	Service Lifetime	>8 Year	>8 Year	>8 Year
	Charging Time	1.0-1.5	1.0-1.5	1.0-1.5
Hydraulic system	Pressure	19MPa	19MPa	19MPa
	Flow	160L/min	160L/min	160L/min
	Max.lifting speed (load/unload)	220/270mm/s	310/320mm/s	310/320mm/s
	Max.lowering speed (load/unload)	340/320mm/s	340/320mm/s	340/320mm/s
Steering system	Pressure	14MPa	14MPa	14MPa
	Steering mode	Tap-type cylinder steering		
	Steering angle	55°	55°	55°
Braking method	Service brake	Disc Brake	Disc Brake	Disc Brake
	Parking brake	Clamp spring brake		
Dimensions	Overall Height	2850mm	3150mm	3180mm
	Overall Width	2250mm	2250mm	2350mm
	Overall Length	5610mm	6100mm	6400mm
	Axle Distance	2850mm	3000mm	3300mm
	Wheel Distance(Front/Back)	1690 /1960mm	1660 /1960mm	1710 /1975mm
	Fork Dimensions	1200×180×90mm	1200×180×90mm	1200×180×90mm
	Ground Clearance	210mm	220mm	235mm
	Turning Radius(Outside)	≤ 5000mm	≤ 5550mm	≤ 5550mm
Tyre	Numbers(Front/Rear)	4/2	4/2	4/2
	Tyre Specifications(Front/Back)	9.00-20-16PR	10.00-20	12.00-20/11.00-20

PRODUCT-16TON/20TON/25TON

	PERFORMANCE	MVF-160EL	MVF-200EL	MVF-250EL
Basic parameters	Rated Lifting Capacity	16000kg	20000kg	25000kg
	Load Center	900mm	1250mm	1250mm
	Operation Weight	24500kg	32500kg	35000kg
	Lifting Height	3500mm	3500mm	3500mm
Transmission	Tilt Angle (F/R)	6°/12°	6°/12°	6°/12°
	Transmission gears	Electric Motor Direct Drive	Front 2/Back 1	Electric Motor Direct Drive
	Driving speed (Load/Unload)	18 /22 km/h	26 / 30 km/h	15 /20 km/h
	Gradeability	15%	20%	20%
Driving motor parameters	Rated Traction	65kN	170kN	92kN
	Motor Type	Permanent magnet synchronous motor		
	Motor rated power	110kW	100kW	157kW
	Rotation Speed	2600rpm	3500rpm	3500rpm
Pump motor	Motor Type	Permanent magnet synchronous motor		
	Motor rated power	83kW	90kW	105kW
	Rotation Speed	3000rpm	1800rpm	1800rpm
Battery parameter	Type of battery	Lithium iron phosphate		
	Rated storage power of the battery	210kWh	245kWh	282kWh
	Battery rated capacity	346Ah	396Ah	456Ah
	Voltage	608.6V	618V	618V
	Full charge and discharge cycles	2800C	2800C	2800C
	Service Lifetime	>8 Year	>8 Year	>8 Year
	Charging Time	1.0-1.5	1.0-1.5	1.0-1.5
Hydraulic system	Pressure	19MPa	18MPa	18MPa
	Flow	240L/min	250L/min	250L/min
	Max.lifting speed (load/unload)	250/260mm/s	260/270mm/s	260 / 270mm/s
	Max.lowering speed (load/unload)	430/320mm/s	310/260mm/s	310 / 260mm/s
Steering system	Pressure	14MPa	14MPa	14MPa
	Steering mode	Tap-type cylinder steering		
	Steering angle	55°	55°	55°
Braking method	Service brake	Disc Brake	Disc Brake	Disc Brake
	Parking brake	Clamp spring brake		
Dimensions	Overall Height	3625	3510mm	3510mm
	Overall Width	2750mm	3050mm	3050mm
	Overall Length	7640mm	8340mm	9190mm
	Axle Distance	3800mm	4000mm	4400mm
	Wheel Distance(Front/Back)	2060 /2330mm	2200 /2390mm	2200 /2390mm
	Fork Dimensions	1800×220×110mm	2440×280×100mm	2440X300X110
	Ground Clearance	265mm	300mm	300mm
	Turning Radius(Outside)	≤ 6800mm	≤ 6700mm	≤ 6700mm
Tyre	Numbers(Frnt/Rear)	4/2	4/2	4/2
	Tyre Specifications(Front/Back)	12.00-24/12.00-20	14.00-24-28PR	14.00-24-28PR

MAVERICK FORKLIFT

INTELLIGENT HUMAN-MACHINE INTERFACE

Real-time monitoring of vehicle status, multi-level software and hardware real-time diagnosis and protection of the whole machine, support for remote troubleshooting



THREE LEVEL WORKING MODE

The machine is energy saving and high efficiency, easy to shift.



ELECTRONIC CONTROL HANDLE

Electronic Control takes super operation experience.



HIGH VOLTAGE INTERLOCK DESIGN

In case of abnormal connection at any point on the high-voltage circuit, a fault alarm will occur, and the high-voltage will be cut off immediately.



ELECTRIC DUAL MOTOR SOLUTION

Adopts Permanent magnet synchronous motor which is more powerful.
The working motor adopts intelligent variable speed control algorithm.
The walking motor adopts speed, torque and power composite control, which makes machine safe and stable.



CATL LFP BATTERY

Long lifetime and high stability



THERMAL EQUILIBRIUM CONTROL

Equipped with an intelligent thermal management system to prevent overheating of battery, motor, and electronic control and hydraulic oil, so to guarantee long-time operation.



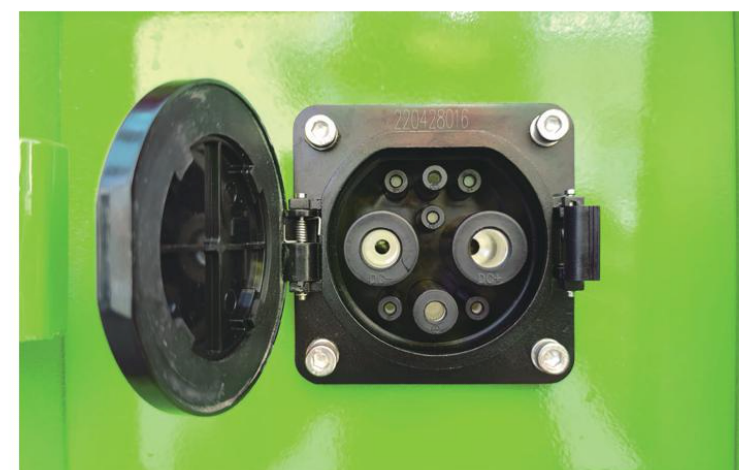
MOTOR DIRECT DRIVE AXLE

Motor direct drive axle, improve transmission efficiency, good energy saving; infinitely variable speed, good controllability.



HVDC FAST CHARGE

Single-gun quick charge, one hour of charging for 6-10 hours of use.



TUV

Tested by the EU authority to minimize electromagnetic interference. You do not need to worry about electromagnetic radiation, electromagnetic interference.



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DALLAS - TEXAS

APPLICATION

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