

# Smart Forklift F20MT

## Product Dimensions

**Dimensions:** 1594×1094×2067mm  
**Fork Dimensions:** :  
55×180×1200mm; Spread: 560×620×680mm  
**HMI Interface:** Standard 10-inch display for intuitive operation.  
**Smart Access:** Swipe permission module for secure usage.  
**Pallet Compatibility:**  
Supports H-shaped pallets  
sizes 1200×1200, 1200×1000,  
1100×1100, 1200×800.

## Battery & Power

**Battery Type:** Lithium-ion, 24 V/150 Ah.  
**Runtime:** 6–8 hours of continuous operation.  
**Charging Time:** Less than 2.5 hours for a full charge.  
**Cycle Life:** Up to 1500 cycles, ensuring long-term reliability.  
**Drive Motor Power:**  
Standard: 1.25 KW  
Safety Version: 1.3 KW



Core Features & Performance		Safety & Environmental Adaptability	
Navigation System	Laser SLAM	Obstacle Detection	2 laser radars + vertical 3D camera
Payload Capacity	Up to 2000kg, suitable for heavy-duty operations	Collision Prevention	Standard: Bumper strip Safety Version: Lidar + Mechanical anti-collision.
Motion Capabilities	Forward, backward, curved turns, and spin turns	Emergency Features	Emergency stop and acoustic-optic alarm
Position Accuracy	±10mm for precise handling and stacking	Operating Conditions	Temperature: -10°C to 45°C (discharge), 0°C to 45°C (charging) Humidity: 10–95%, no condensation
BaseTravel Speed	Maximum speed of 1.5 m/s,		
Lift Speed	With load: 35mm/s Without load: 40mm/s	Floor Requirements:	Flatness: Deviation ≤5mm per 1m². Crossing Ability: Floor surface drop ≤20mm recommended

# Smart ForkliftF12ML

## Product Dimensions

**Dimensions:** 1707×1050×2076 mm  
**Fork Dimensions:** :  
55×180×1200 mm; Spread: 560×620×680 mm  
**HMI Interface:** Standard 10-inch display  
**Smart Access:** Swipe permission module  
**Pallet Compatibility:**  
Supports H-shaped pallets and sizes  
1200×1200, 1200×1000, 1100×1100,  
1100×1000, 1200×800.

## Battery & Power

**Battery Type:** Lithium-ion, 24 V/150 Ah  
**Runtime:** 6–8 hours of continuous operation  
**Charging Time:** 2–2.5 hours for a full charge  
**Cycle Life:** Up to 1500 cycles, ensuring long-term reliability  
**Drive Motor Power:**  
Standard: 3.5 KW  
Safety Version: 3.2 KW



Core Features & Performance		Safety & Environmental Adaptability	
Navigation System	Laser SLAM	Obstacle Detection	3 laser radars + vertical 3D camera
Payload Capacity	0–2 m: 1500 kg 2–2.5 m: 1200 kg 2.5–3 m: 1000 kg	Collision Prevention	Standard: Bumper strip Safety Version: Lidar + Mechanical anti-collision
Motion Capabilities	Forward, backward, curved turns, and spin turns	Emergency Features	Emergency stop and acoustic-optic alarm for enhanced safety.
Position Accuracy	±10mm for precise handling and stacking	Operating Conditions	Temperature: 0°C to 45°C (charging), -10°C to 45°C (discharge).
BaseTravel Speed	Maximum speed of 1.5m/s		
Lift Speed	With load: 1.0 m/s Without load: 1.5 m/s	Floor Requirements:	Flatness: Deviation ≤5mm per 1m². Crossing Ability: Floor surface drop ≤20mm recommended