

# PRODUCT CARD

## ME 316 LIFT



	Electric / Lithium-ion
Lifting height	3000 – 6500 mm
Max. capacity with forks	1600 kg
Max. travel speeds (laden/unladen)	16 / 16 - 12.8 / 13 kph
Service weight	2940 kg
Aisle width (crosswise / lengthwise)	3156 / 3280 mm
Overall width	1086 mm
Overall length (to carriage)	1706 mm
Height of overhead guard	2147 mm
Outside turning radius	1470 mm
Lifting speed laden / unladen	0.45 / 0.60 m/s
Lowering speed laden / unladen	0.46 / 0.44 m/s
Battery 76.8V	230 - 304 Ah / 17 - 23 kWh
Traction motor rated power	2 x 5 kW
Hydraulic pump motor rated power	11 kW

### 1 Main advantages

	Features	Customer benefits
<b>Comfort</b>	<b>For the operator</b> <ul style="list-style-type: none"> <li>• Anti-slipping step and access handles</li> <li>• GRAMMER adjustable suspension seat</li> <li>• Large choice of cab options</li> </ul>	<ul style="list-style-type: none"> <li>• Safe, quick and intuitive cab access</li> <li>• Genuine ergonomic feeling</li> <li>• Complete level of knowledge and control over your machine</li> <li>• Build your machine as you wish: open cab, complete cab...</li> </ul>
	<b>During application</b> <ul style="list-style-type: none"> <li>• Adjustable steering wheel</li> <li>• Large leg and head clearance</li> <li>• Choice of hydraulic levers</li> <li>• Intuitive display</li> </ul>	<ul style="list-style-type: none"> <li>• Intuitive and effortless steering</li> <li>• Adapted to all operator physiologies</li> <li>• User-friendly hydraulics controls</li> <li>• Correctly positioned and all important data at a glance</li> </ul>
<b>Profitability</b>	<b>Moving</b> <ul style="list-style-type: none"> <li>• IPX4 rating</li> <li>• Powerful traction and pump engines</li> <li>• 3 Power modes</li> </ul>	<ul style="list-style-type: none"> <li>• Can be used outdoors for extended periods of time under rain</li> <li>• High performance, low consumption (-20% compared to ME 316)</li> <li>• Tailor your machine's performances to your operator's skills</li> </ul>
	<b>During application</b> <ul style="list-style-type: none"> <li>• Horizontal fork positioning</li> <li>• High residual capacity</li> <li>• Extensive mast offer</li> <li>• Extended service intervals</li> <li>• I.V. compatible</li> </ul>	<ul style="list-style-type: none"> <li>• Mast is effortlessly put in a horizontal position for quicker handling</li> <li>• Ensuring high productivity levels with all tyres and attachments</li> <li>• Choice between numerous masts with optimal residual capacities</li> <li>• Reaching 1000 hours, 4 times less frequently than MEs</li> <li>• Allowing for quicker diagnostics</li> </ul>
<b>Safety</b>	<b>Moving</b> <ul style="list-style-type: none"> <li>• OPS (Operator Presence System)</li> <li>• Speed reduction in curve</li> <li>• LED light package</li> <li>• Electric parking brake</li> </ul>	<ul style="list-style-type: none"> <li>• Additional safety for the environment if the operator is not seated</li> <li>• Get the most of your forklift without sacrificing safety</li> <li>• Safe operation as the operator can see his surroundings as well as being seen and heard</li> </ul>
	<b>During application</b> <ul style="list-style-type: none"> <li>• FOPS overhead guard with roof window</li> <li>• Lifting / lowering dampeners</li> <li>• 3 standard LED working lights (2x front, 1x rear)</li> </ul>	<ul style="list-style-type: none"> <li>• Protects the operator from falling loads while ensuring best-in-class visibility</li> <li>• Ensures smooth application and reduces load-related risks</li> <li>• Allows the operator to work comfortably whatever the lighting conditions are</li> </ul>
<b>Design</b>	<b>Lithium - integrated</b> <ul style="list-style-type: none"> <li>• Designed around the use of a compact lithium-ion battery</li> <li>• Compact lithium-ion battery built on a shortened IC chassis</li> </ul>	<ul style="list-style-type: none"> <li>• 100% Manitou design</li> <li>• Even more compact than our ME range</li> </ul>
<b>Lithium-ion</b>	<b>For the operator</b> <ul style="list-style-type: none"> <li>• No daily / weekly maintenance</li> <li>• Opportunity charging (up to 20% of capacity back in 15 minutes)</li> <li>• Full charge in 90 minutes</li> </ul>	<ul style="list-style-type: none"> <li>• Perfect energy for IC customers looking at going zero-emission</li> <li>• Charge anytime, anywhere</li> </ul>
	<b>For the buyer</b> <ul style="list-style-type: none"> <li>• 5,000 cycles with 5 year warranty on the battery</li> <li>• Save up to 8 hours per year on maintenance</li> </ul>	<ul style="list-style-type: none"> <li>• Peace of mind when using and servicing the forklift</li> <li>• Hence a full day of work</li> </ul>

## 2 Direct competition

Model	Manitou	EP	STILL
	ME 316 LIFT	CPD15TVL	RX20-16
Lifting height	3000 mm - 6500 mm	3000 mm - 6000 mm	3000 mm - 7930 mm
Max.capacity	1600 kg	1500 kg	1600 kg
Max. travel speed	16 kph	14 kph	20 kph
Unladen weight	2940 kg	2950 kg	3057 kg
Aisle width crosswise (800 x 1200 pallet)	3156 mm	3175 mm	3186 mm
Aisle width lengthwise (1000 x 1200 pallet)	3280 mm	3300 mm	3311 mm
Overall width (single / dual tyres)	1086 mm	1080 mm	1099 mm
Overall length (to carriage)	1706 mm	1813 mm	1861 / 1944 mm
Height of overhead guard	2147 mm	2078 mm	2035 mm
Outside turning radius	1470 mm	1450 mm	1487 / 1570 mm
Wheelbase	1277 mm	1230 mm	1760 mm
Lifting speed (laden/unladen) (m/s)	0.45 / 0.60	0.33 / 0.45	0.53 / 0.75
Lowering speed (laden/unladen) (m/s)	0.46 / 0.44	0.40 / 0.44	0.50 / 0.50
Ground clearance, center of wheelbase	110 mm	92 mm	114 mm
Battery technology / capacity	Lithium-ion (integrated) 76.8V 230 - 304 Ah / 17 - 23 kWh	Lithium-ion (integrated) 80V 150 - 205 Ah / 8 - 16 kWh	Lithium-ion (plug-and-play) 625 - 775 Ah / 30 - 37 kWh
Traction motor S2 rated power	2 x 5 kW	2 x 5 kW	2 x 6.5 kW
Hydraulic pump motor rated power	11 kW	11 kW	43.4 kW
Noise level at operator's ear	<70 dB(A)	70 dB(A)	66 dB(A)

	EP	STILL
<b>Sales arguments</b>	<ul style="list-style-type: none"> <li>• Integrated 35A charger available</li> <li>• 150 Ah battery as standard for light-duty application</li> <li>• Access to more options : joystick, red line....</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated display on the armrest, with more functionalities</li> <li>• More well-equipped as standard: consumption displayed, Pre-Op checklist</li> <li>• Access to more options: joysticks, weighing devices, red line...</li> <li>• 20 kph available in Sprint Mode</li> </ul>
<b>Counter arguments</b>	<ul style="list-style-type: none"> <li>• <b>Visibility at height</b></li> <li>• <b>Missing standard features:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> No LED rear working light (optional)</li> <li><input type="checkbox"/> Power modes</li> <li><input type="checkbox"/> Speed reduction in curve</li> <li><input type="checkbox"/> Automatic parking brake</li> <li><input type="checkbox"/> Horizontal fork positioning</li> </ul> </li> <li>• Lower energy consumption in kWh (-8%)</li> <li>• Twice more energy as standard, hence only suited for 1.5/2 hours use</li> <li>• Travel speed (2 kph less than ME LIFT)</li> <li>• Overall hydraulic performances (-33% compared to ME LIFT)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Visibility at height</b></li> <li>• <b>Lower seat position on Still:</b> 965 vs 1120 mm, better visibility at fork tip</li> <li>• <b>Missing standard features:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Panoramic rear-view mirror</li> <li><input type="checkbox"/> Load backrest</li> <li><input type="checkbox"/> Horizontal fork positioning</li> </ul> </li> <li>• Overall dimensions : more compact turning radius and aisle width</li> </ul>

**BUILT TO LIFT YOUR STANDARDS**