

Technical sheet :

100 VJR

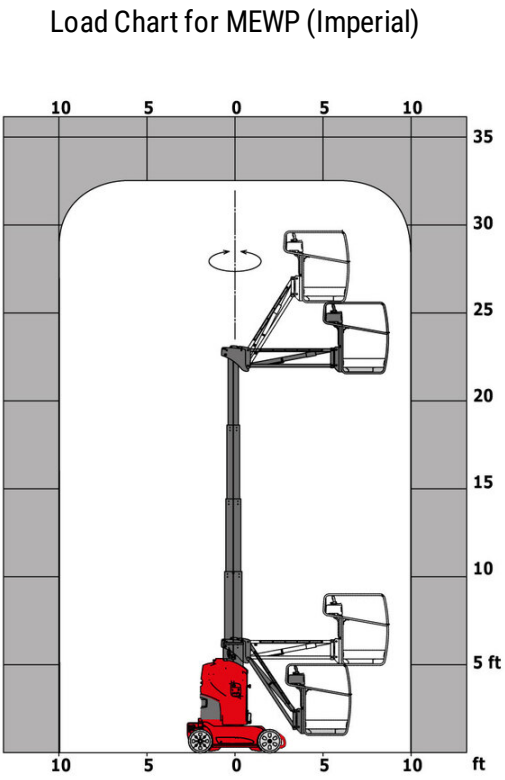
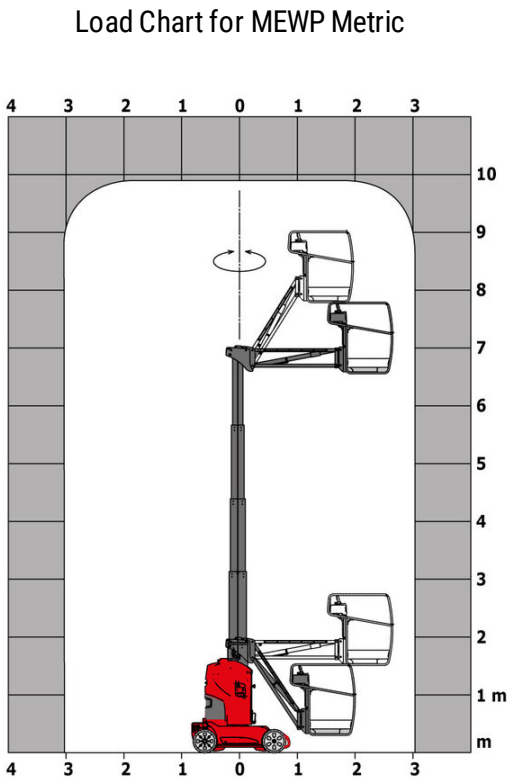


 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Working height	h21	9.85 m	32 ft 4 in
Floor height (access)	h20	0.51 m	1 ft 8 in
Platform height	h7	7.85 m	25 ft 9 in
Max. outreach		3.15 m	10 ft 4 in
Overhang		6.67 m	21 ft 11 in
Pendular arm rotation (bottom)		+70 °	+70 °
Platform capacity	Q	200 kg	441 lb
Turret rotation		350 °	350 °
Number of people (indoor / outdoor)		2 / 1	2 / 1
Weight and dimensions			
Platform weight*		2650 kg	5842 lb
Platform dimensions (length x width)	lp / ep	1.11 m x 0.93 m	3 ft 8 in x 3 ft 1 in
Overall length	l1	2.80 m	9 ft 2 in
Overall width	b1	0.99 m	3 ft 3 in
Overall height	h17	1.99 m	6 ft 6 in
Jib length	l13	1.50 m	4 ft 11 in
Counterweight offset (turret at 90°)	a7	0.09 m	4 in
Counterweight Oversize / Reach		0.09 m	4 in
Internal turning radius (over tyres)	b13	0.59 m	1 ft 11 in
External turning radius	Wa3	2.09 m	6 ft 10 in
Ground clearance under pothole protection	m6	0.02 m	1 in
Ground clearance at centre of wheelbase	m2	0.09 m	4 in
Wheelbase	y	1.20 m	3 ft 11 in
Performances			
Drive speed - stowed		5 km/h	3 mph
Drive speed - raised		0.65 km/h	0.40 mph
Gradeability		25 %	25 %
Permissible leveling		2 °	2 °
Wheels			
Tires type		Solid non-marking tires	Solid non-marking tires
Standard tires		406 x 127 mm	406 x 127 mm
Drive wheels (front / rear)		0 / 2	0 / 2
Steering wheels (front / rear)		2 / 0	2 / 0
Braking wheels (front / rear)		0 / 2	0 / 2
Engine/Battery			
Electric engine power rating		2 x 1.50 kW	2 x 1.50 kW
Number of hydraulic pump / Capacity of hydraulic pump		2 x 4.20 cm³	2 x 0.26 in³
Battery voltage		24 V	24 V
Battery capacity		250 Ah	250 Ah
Integrated charger / charger		24 V / 30 A	24 V / 30 A
Miscellaneous			
Number of cycles with STD Battery (HIRD)		29	29
Ground Pressure		11.80 dan/cm²	171 PSI
Hydraulic Pressure		140 bar	2031 PSI
Hydraulic tank capacity		22 l	6 US gal
Vibration on hands/arms		< 2.50 m/s²	< 2.50 m/s²
Standards compliance			
This machine is in compliance with:		European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC) - 2006/95/EC (Low voltage)	European directives: 2006/42/EC- Machinery (revised EN280:2013) - 2004/108/EC (EMC) - 2006/95/EC (Low voltage)

*Varies according to options and standards of the country to which the machine is delivered

100 VJR - Load chart



100 VJR - Dimensional drawing



Equipment

Standard

Audible alarm and illuminated indicator lamp (leveling, overload, lowering)

Battery charge indicator lamp

CAN bus technology

Emergency stop button in platform and on frame

Fixed pothole protection

Fork pockets

Hom in the platform

Hour meter

Integrated diagnostic assistance

Manual emergency lowering

Multi-voltage integrated charger

Negative-type braking on rear wheels

Non-marking rubber tyres

Pendular arm

Platform with open-work floor

Proportional controls

Slings and securing rings

Tool box in platform

Traction battery

Optional

110 or 230V plug with differential circuit breaker

230V Predisposition

Audio warning on all motion

Biodegradable oil

Cold weather protection oil

Lights

Maintenance-free battery

Personalized paintwork

SMS : Safe Man System

Safety harness

Working headlight in platform



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