

Technical sheet :

80 VJR

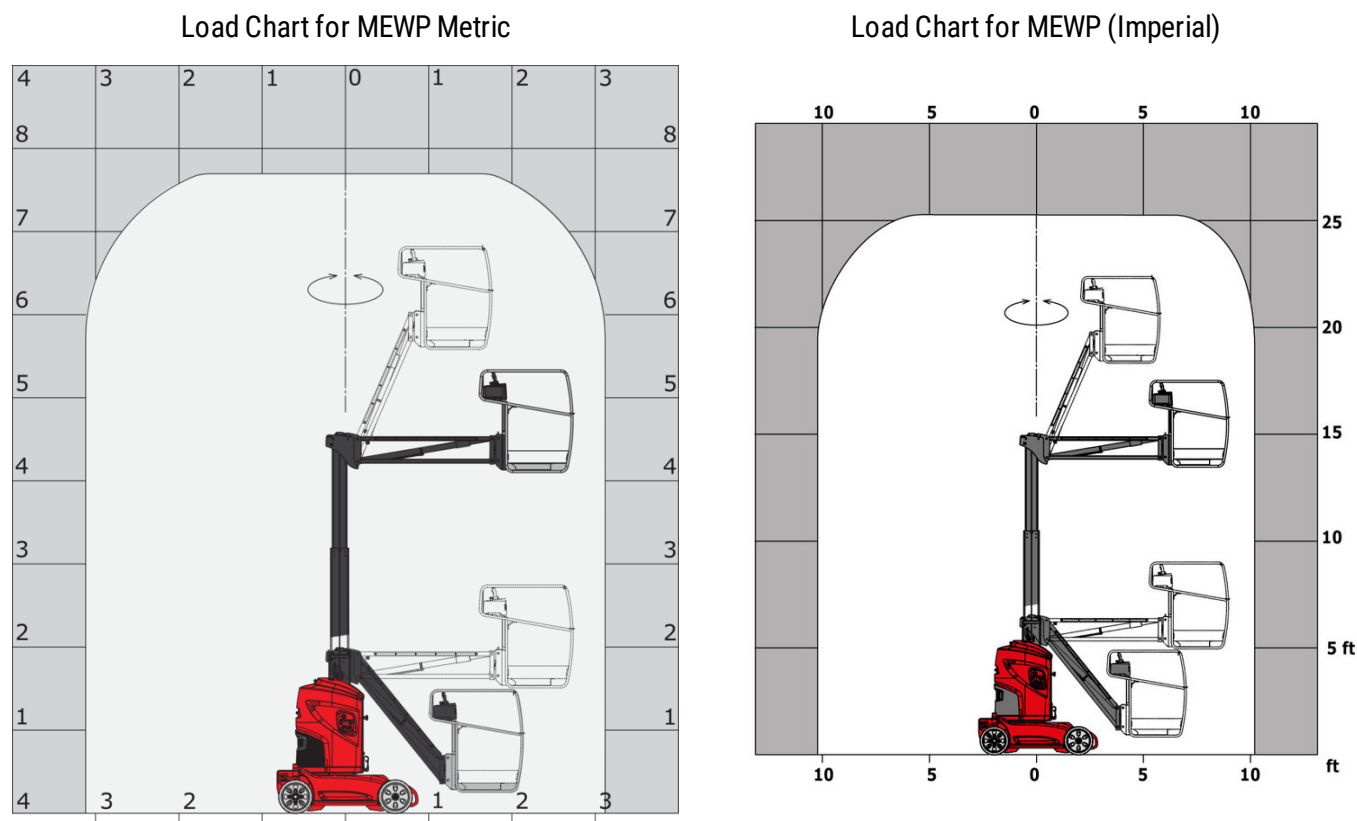


 **MANITOU**
HANDLING YOUR WORLD

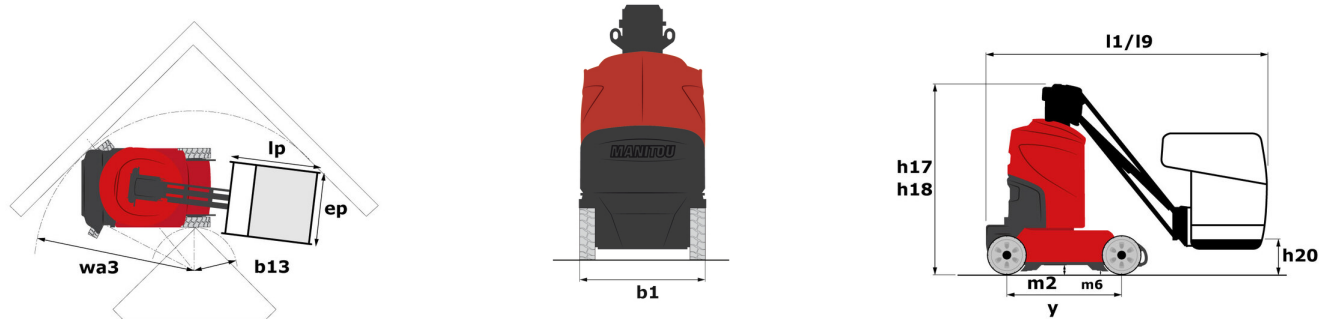
Capacities		Metric	Imperial
Working height	h21	7.65 m	25 ft 1 in
Floor height (access)	h20	0.47 m	1 ft 7 in
Platform height	h7	5.65 m	18 ft 6 in
Max. outreach		3.24 m	10 ft 8 in
Overhang		4.23 m	13 ft 11 in
Pendular arm rotation (bottom)		+70 °	+70 °
Platform capacity	Q	200 kg	441 lb
Turret rotation		350 °	350 °
Number of people (indoor / outdoor)		2 / 1	2 / 1
Weight and dimensions			
Platform weight*		2250 kg	4960 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	2.95 m	9 ft 8 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		0.10 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 with pothole guards deployed	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		4.50 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		410 x 130 mm	410 x 130 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
Electric Pump		3 kW	3 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)		32	32
Ground Pressure		11.10 dan/cm2	161 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

80 VJR - Load chart



80 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
Hour meter
Integrated charger
Integrated diagnostic assistance
Manual emergency lowering
Negative-type braking on rear wheels
Non-marking rubber tyres
Pendular arm
Proportional controls
Slinging and securing rings
Tool box in platform
Traction battery
Iace floor basket

Optional
110 or 230V plug with differential circuit breaker
230V Predisposition
Biodegradable oil
Cold weather protection oil
Lights
Maintenance-free battery
Personalized paintwork
SMS : Safe Man System
Safety harness
Working light



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