

Technical sheet :

# 80 VJR

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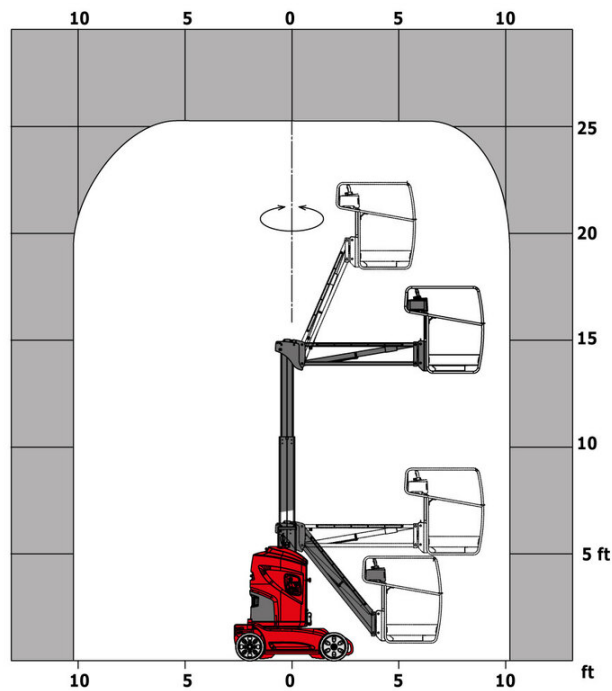
 **MANITOU**  
HANDLING YOUR WORLD

Capacities		Imperial
Working height	h21	25 ft 1 in
Floor height (access)	h20	1 ft 7 in
Platform height	h7	18 ft 6 in
Max. outreach		10 ft 8 in
Overhang		13 ft 11 in
Pendular arm rotation (bottom)		+70 °
Platform capacity	Q	441 lb
Turret rotation		350 °
Number of people (indoor / outdoor)		2 / 1
Weight and dimensions		
Platform weight*		4960 lb
Platform dimensions (length x width)	lp / ep	3 ft 8 in x 3 ft 1 in
Overall length	l1	9 ft 8 in
Overall width	b1	3 ft 3 in
Overall height	h17	6 ft 6 in
Jib length	l13	4 ft 11 in
Counterweight offset (turret at 90°)	a7	4 in
Counterweight Oversize / Reach		4 in
Internal turning radius (over tyres)	b13	1 ft 11 in
External turning radius	Wa3	6 ft 10 in
Ground clearance with pothole guards deployed	m6	1 in
Ground clearance at centre of wheelbase	m2	4 in
Wheelbase	y	3 ft 11 in
Performances		
Drive speed - stowed		3 mph
Drive speed - raised		0.40 mph
Gradeability		25 %
Permissible leveling		2 °
Wheels		
Tires type		Solid non-marking tires
Standard tires		410 x 130 mm
Drive wheels (front / rear)		0 / 2
Steering wheels (front / rear)		2 / 0
Braking wheels (front / rear)		0 / 2
Engine/Battery		
Electric engine power rating		2 x 1.50 kW
Electric Pump		3 kW
Number of hydraulic pump / Capacity of hydraulic pump		2 x 0.26 in³
Battery voltage		24 V
Battery capacity		250 Ah
Integrated charger / charger		24 V / 30 A
Miscellaneous		
Number of cycles with STD Battery (HIRD)		32
Ground Pressure		161 PSI
Hydraulic Pressure		2031 PSI
Hydraulic tank capacity		6 US gal
Vibration on hands/arms		< 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)

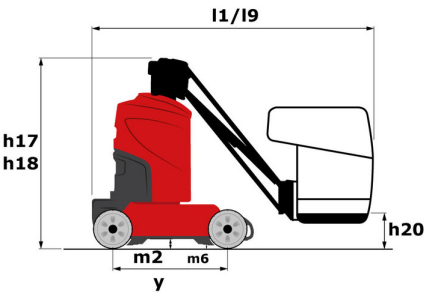
\*Varies according to options and standards of the country to which the machine is delivered

80 VJR - Load chart

Load Chart for MEWP (Imperial)



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



**Head Office**

B.P. 249 - 430 rue de l'Aubinière

44150 Ancenis Cedex - France

Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97

[www.manitou.com](http://www.manitou.com)



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