

Technical sheet :

# 90 V'AIR

OXYGEN  
by MANITOU

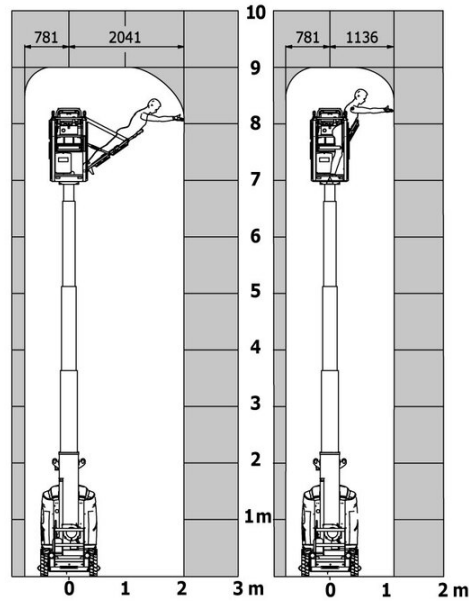


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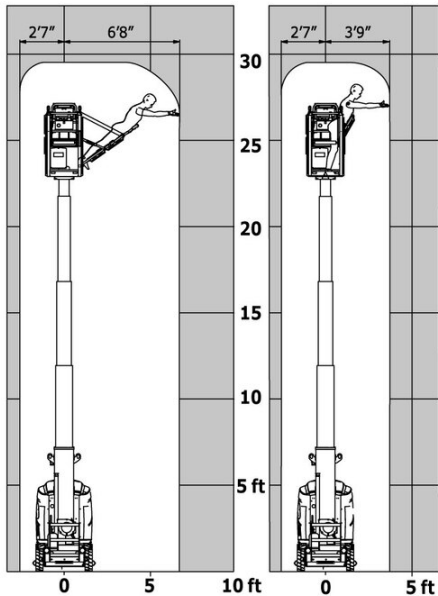
Capacities		Metric	Imperial
Working height	h21	9 m	29 ft 6 in
Platform height	h7	7 m	23 ft
Maximum outreach		2.04 m	6 ft 8 in
Platform capacity	Q	230 kg	507 lb
Turret rotation		350 °	350 °
Number of people (indoor / outdoor)		2 / 2	2 / 2
Weight and dimensions			
Platform weight*		2710 kg	5975 lb
Platform dimensions (length x width)	lp / ep	0.95 m x 0.68 m	3 ft 1 in x 2 ft 3 in
Floor height (access)	h20	1.03 m	3 ft 5 in
Overall length	l1	2.31 m	7 ft 7 in
Overall width	b1	1.10 m	3 ft 7 in
Overall height	h17	2.31 m	7 ft 7 in
Counterweight offset (turret at 90°)	a7	0.04 m	2 in
Counterweight Oversize / Reach		0.05 m	2 in
External turning radius	Wa3	1.98 m	6 ft 6 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		0.60 km/h	0.37 mph
Gradeability		25 %	25 %
Permissible leveling		2 °	2 °
Wheels			
Tires type		Non marking	Non marking
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
On-board charger (V / A)		24 V / 30 A	24 V / 30 A
Miscellaneous			
Number of cycles with STD Battery (HIRD)		39	39
Ground Pressure		11.30 dan/cm2	164 PSI
Hydraulic Pressure		140 bar	2031 PSI
Hydraulic tank capacity		22 l	6 US gal
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)

90 V'Air - Load chart

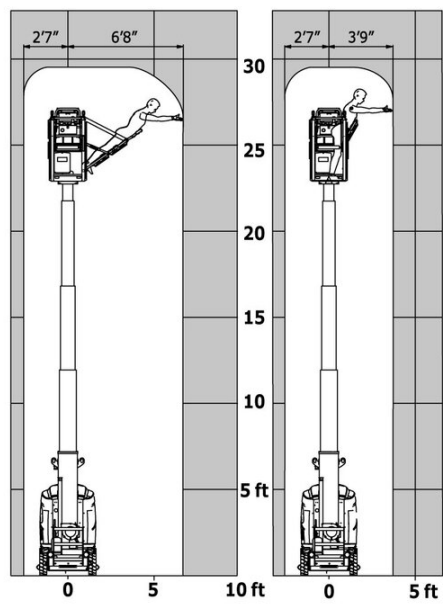
Load Chart for MEWP Metric



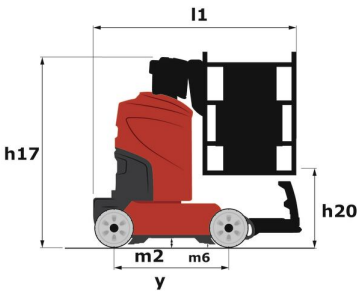
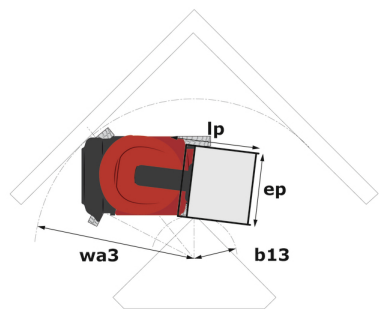
Load Chart for MEWP (Imperial)



Load Chart imperial



90 V'Air - Dimensional drawing



# Equipment

Standard
2 LED front headlights with protective grille
2 rear position headlights with LED
2 vertical detection radars
3 anti-static braids
Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
Backlit control panel
Battery charge indicator lamp
CAN bus technology
Emergency stop button in platform and on frame
Fixed pothole protection
Front and side rubber protections
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
Platform with open-work floor
Proportional controls
Side reflectors
Slinging and securing rings
Specific platform with multiple working positions
Tool box in platform
Traction battery with centralized recharging
Travel possible at maximum height
Working headlight in platform

Optional
6 kg Powder extinguisher A, B, C
Biodegradable oil
Cold weather protection oil
Safety kit - Harness + helmet



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