

Technical sheet :

120 AETJ-C

OXYGEN
by MANITOU



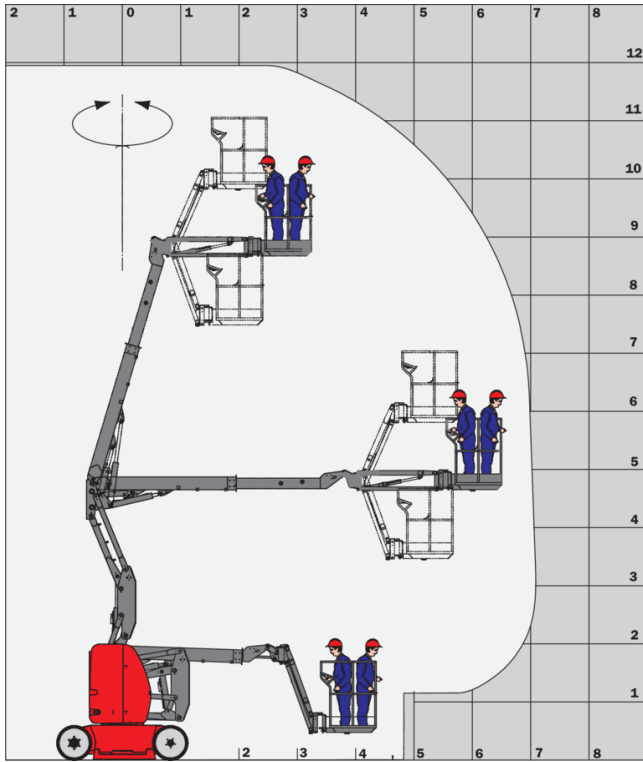
 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Working height	h21	11.95 m	39 ft 2 in
Floor height (access)	h20	0.40 m	1 ft 4 in
Platform height	h7	9.95 m	32 ft 8 in
Max. outreach		7 m	23 ft
Overhang		6.40 m	21 ft
Pendular arm rotation (left / right)		70 ° / 70 °	70 ° / 70 °
Pendular arm rotation (top / bottom)		+70 ° / -70 °	+70 ° / -70 °
Platform capacity	Q	200 kg	441 lb
Turret rotation		355 °	355 °
Platform rotation (right / left)		66 ° / 59 °	66 ° / 59 °
Number of people (indoor / outdoor)		2 / 2	2 / 2
Weight and dimensions			
Platform weight*		6660 kg	14683 lb
Platform dimensions (length x width)	lp / ep	1.20 m x 0.92 m	3 ft 11 in x 3 ft
Overall length	l1	5.48 m	18 ft
Overall width	b1	1.20 m	3 ft 11 in
Overall height	h17	1.99 m	6 ft 6 in
Overall length (stowed)	l9	3.74 m	12 ft 3 in
Overall height (stowed)	h18 ***	2.16 m	7 ft 1 in
Jib length	l13	1.26 m	4 ft 2 in
Counterweight offset (turret at 90°)	a7	0.23 m	9 in
External turning radius	Wa3	3.34 m	10 ft 11 in
Ground clearance with pothole guards deployed	m6	0.02 m	1 in
Ground clearance at centre of wheelbase	m2	0.10 m	4 in
Wheelbase	y	1.65 m	5 ft 5 in
Performances			
Drive speed - stowed		6 km/h	4 mph
Drive speed - raised		0.60 km/h	0.37 mph
Gradeability		25 %	25 %
Permissible leveling		3 °	3 °
Wheels			
Tires type		Solid non-marking tires	Solid non-marking tires
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 4.50 kW	2 x 4.50 kW
Electric Pump		3.70 kW	3.70 kW
Battery voltage	Battery voltage	48 V	48 V
Battery capacity		240 Ah	240 Ah
Battery energy		11 kWh	11 kWh
On-board charger (V / A)		48 V / 30 A	48 V / 30 A
Miscellaneous			
Number of cycles with STD Battery (HIRD)		60	60
Ground Pressure		20 dan/cm ²	290 PSI
Hydraulic Pressure		200 bar	2901 PSI
Hydraulic tank capacity		18 l	5 US gal
Vibration on hands/arms		< 2.50 m/s ²	< 2.50 m/s ²

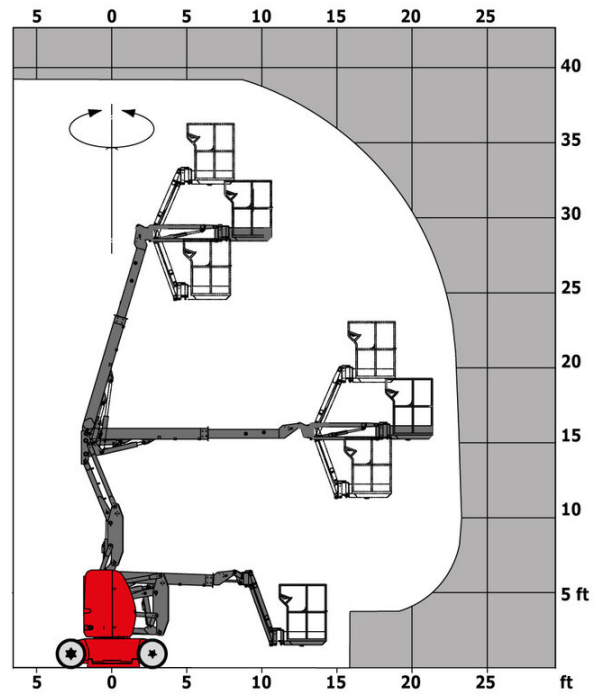
*Varies according to options and standards of the country to which the machine is delivered

120 AETJ-C - Load chart

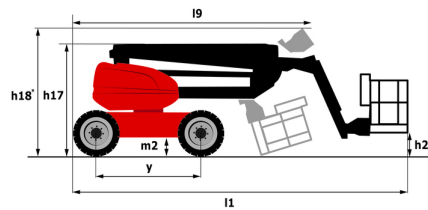
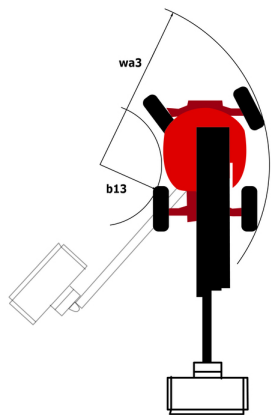
Load Chart metric



Load Chart imperial



120 AETJ-C - Dimensional drawing



Equipment

Standard

230V Predisposition
Audible alarm and illuminated indicator lamp (leveling, overload, lowering)
Battery charge indicator lamp
CAN bus technology
Easy Manager
Emergency stop button in platform and on frame
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 mesh floor
Pothole protection with automatic operation
Proportional controls
Slings and securing rings
Tool box in platform
Traction battery

Optional

110 or 230V plug with differential circuit breaker
3D
Biodegradable oil
Cold weather protection oil
Highly capacity battery
Lights
Maintenance-free battery
Personalized paintwork
Protective cover for control panel
SMS : Safe Man System
Safety harness
Water predisposition
Working headlight in platform



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