

Technical sheet :

# AETJ 43

OXYGEN  
by MANITOU



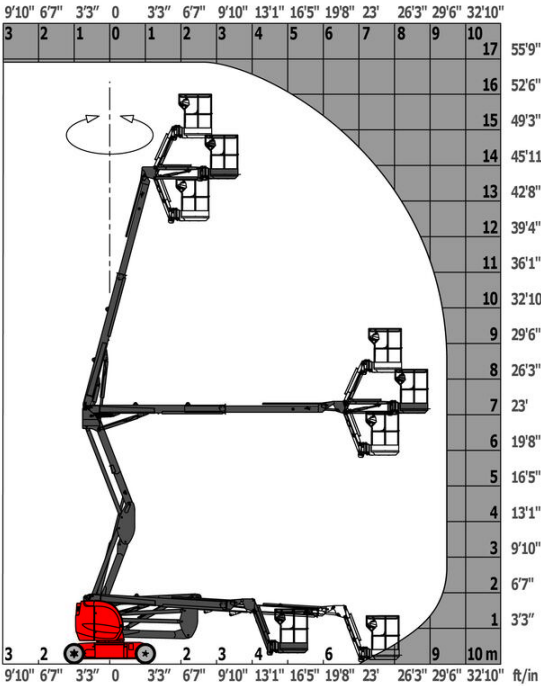
 **MANITOU**  
HANDLING YOUR WORLD

Capacities		Imperial
Working height	h21	49 ft 2 in
Floor height (access)	h20	1 ft 4 in
Platform height	h7	42 ft 7 in
Max. outreach		24 ft 11 in
Overhang		23 ft 2 in
Pendular arm rotation (top / bottom)		+65 ° / -65 °
Platform capacity	Q	500 lb
Turret rotation		355 °
Platform rotation (right / left)		66 ° / 59 °
Number of people (indoor / outdoor)		2 / 2
Weight and dimensions		
Platform weight*		16248 lb
Platform dimensions (length x width)	lp / ep	3 ft 11 in x 3 ft
Overall length	l1	19 ft 10 in
Overall width	b1	4 ft 11 in
Overall height	h17	6 ft 6 in
Overall length (stowed)	l9	14 ft 5 in
Overall height (stowed)	h18	6 ft 10 in
Jib length	l13	4 ft 2 in
Counterweight offset (turret at 90°)	a7	5 in
Counterweight Oversize / Reach		5 in
External turning radius	Wa3	13 ft
Ground clearance at centre of wheelbase	m2	6 in
Wheelbase	y	6 ft 7 in
Performances		
Drive speed - stowed		3 mph
Drive speed - raised		0.37 mph
Gradeability		22 %
Permissible leveling		3 °
Wheels		
Tires type		Solid non-marking tires
Standard tires		24 x 7.5 in / 600 x 190 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 4.50 kW
Electric Pump		3.70 kW
Battery voltage		48 V
Battery nominal voltage / capacity		48 V / 240 Ah
Battery energy		11 kWh
On-board charger (V / A)		48 V / 30 A
Miscellaneous		
Number of cycles with STD Battery (HIRD)		44
Ground Pressure		196 PSI
Hydraulic Pressure		3046 PSI
Hydraulic tank capacity		4 US gal
Vibration on hands/arms		< 0.52 m/s <sup>2</sup>
Standards compliance		
This machine is in compliance with:		ANSI A92.20-2018 CSA B354.6 ICES-002-Issue 6 Standard Canadian EMC

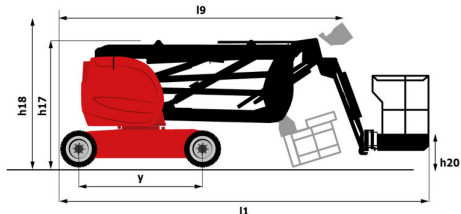
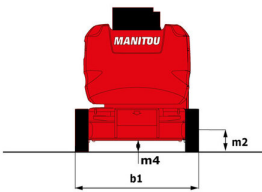
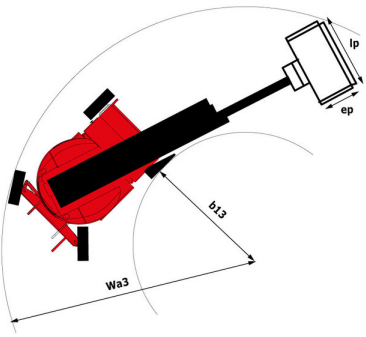
\*Varies according to options and standards of the country to which the machine is delivered

# AETJ 43 - Load chart

## Load Chart imperial



# AETJ 43 - Dimensional drawing



# Equipment

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## Standard

110 or 230V plug with differential circuit breaker  
Audible alarm and illuminated indicator lamp (leveling, overload, lowering)  
Battery charge indicator lamp  
CAN bus technology  
Drive safety orientation system  
Electric predisposition on the top of the boom  
Emergency stop button in platform and on frame  
Horn 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 access gate  
Proportional controls  
Tool box in platform  
Traction battery  
Travel possible at maximum height

## Optional

Biodegradable oil  
Cold weather kit  
Cold weather protection oil  
Easy Manager  
Highly capacity battery  
Lights  
Protective cover for control panel  
SMS : Safe Man System  
Working headlight in platform



**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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