

Technical sheet :

AETJ 43

OXYGEN
by MANITOU



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HANDLING YOUR WORLD

Capacities		Metric	Imperial
Working height	h21	14.99 m	49 ft 2 in
Platform height	h7	12.98 m	42 ft 7 in
Maximum outreach		7.60 m	24 ft 11 in
Overhang		7.07 m	23 ft 2 in
Pendular arm rotation (top / bottom)		+65 ° / -65 °	+65 ° / -65 °
Platform capacity	Q	227 kg	500 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*		7370 kg	16248 lb
Platform dimensions (length x width)	lp / ep	1.20 m x 0.92 m	3 ft 11 in x 3 ft
Floor height (access)	h20	0.40 m	1 ft 4 in
Overall length	l1	6.05 m	19 ft 10 in
Overall width	b1	1.50 m	4 ft 11 in
Overall height	h17	1.97 m	6 ft 6 in
Overall length (stowed)	l9	4.40 m	14 ft 5 in
Overall height (stowed)	h18 ***	2.08 m	6 ft 10 in
Jib length	l13	1.26 m	4 ft 2 in
Counterweight offset (turret at 90°)	a7	0.12 m	5 in
Counterweight Oversize / Reach		0.12 m	5 in
External turning radius	Wa3	3.96 m	13 ft
Ground clearance at centre of wheelbase	m2	0.14 m	6 in
Wheelbase	y	2 m	6 ft 7 in
Performances			
Drive speed - stowed		5 km/h	3 mph
Drive speed - raised		0.60 km/h	0.37 mph
Gradeability		22 %	22 %
Permissible leveling		3 °	3 °
Wheels			
Tires type		Solid non-marking tires	Solid non-marking tires
Standard tires		24 x 7.5 in / 600 x 190 mm	24 x 7.5 in / 600 x 190 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 4.50 kW	2 x 4.50 kW
Lift motor power		3.70 kW	3.70 kW
Battery voltage		48 V	48 V
Battery nominal voltage / capacity		48 V / 240 Ah	48 V / 240 Ah
Battery energy		11 kW/h	11 kW/h
On-board charger (V / A)		48 V / 30 A	48 V / 30 A
Miscellaneous			
Number of cycles with STD Battery (HIRD)		44	44
Ground Pressure		13.50 dan/cm2	196 PSI
Hydraulic Pressure		210 bar	3046 PSI
Hydraulic tank capacity		15 l	4 US gal
Vibration on hands/arms		< 0.52 m/s²	< 0.52 m/s²
Standards compliance			
This machine is in compliance with:		ANSI A92.20-2018 CSA B354.6 ICES-002-Issue 6 Standard Canadian EMC	ANSI A92.20-2018 CSA B354.6 ICES-002-Issue 6 Standard Canadian EMC

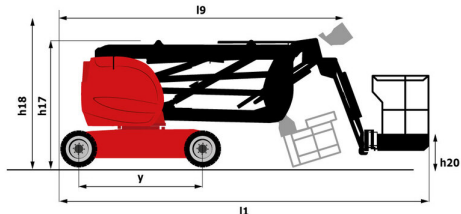
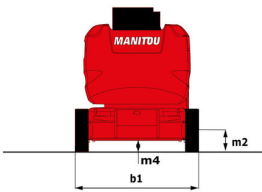
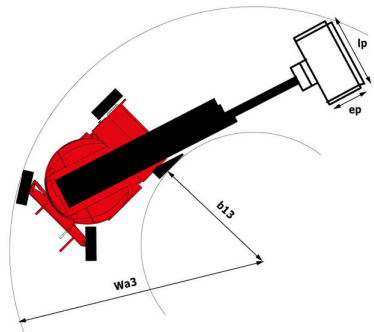
*Varies according to options and standards of the country to which the machine is delivered

AETJ 43 - Load chart

Load Chart imperial



AETJ 43 - Dimensional drawing



Equipment

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
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 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
High capacity starting battery
Lights
Protective cover for control panel
SMS : Safe Man System
Working headlight in platform



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