

Technical sheet :

MRT 2660 E

OXYGEN



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity		6000 kg	13228 lb
Max. lifting height		25.90 m	85 ft
Max. outreach		21.70 m	71 ft 2 in
Weight and dimensions			
Overall length (with forks)	l1	9.28 m	30 ft 5 in
Length to face of forks	l2	8.08 m	26 ft 6 in
Overall width	b1	2.50 m	8 ft 2 in
Overall height	h17	3.10 m	10 ft 2 in
Overall cab width	b4	0.96 m	3 ft 2 in
Ground clearance	m4	0.38 m	1 ft 3 in
Wheelbase	y	3.05 m	10 ft
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	110 °	110 °
Turret rotation		360 °	360 °
Overall weight		18000 kg	39683 lb
Forks length / width / section	l / e / s	100 mm x 1200 mm x 60 mm	4 in x 47 in x 2 in
Wheels			
Standard tires		445/65 R22,5	445/65 R22,5
Drive wheels (front / rear)		2 / 2	2 / 2
Steering mode		2 wheel steer, 4 wheel steer, Crab mode	2 wheel steer, 4 wheel steer, Crab mode
Stabilisers			
Stabs Type		Telescopic Duplex	Telescopic Duplex
Controls with stabs		Stabs Commands Individual or Simultaneous	Stabs Commands Individual or Simultaneous
Electric circuit			
Number of batteries / Battery voltage		2 x 12 V	2 x 12 V
12V Battery capacity		120 Ah	120 Ah
Battery starting current		(EN)850 A	(EN)850 A
Engine/Battery			
Battery technology		Lithium-ion	Lithium-ion
Battery capacity		105 Ah	105 Ah
Battery nominal voltage		624 V	624 V
Battery max. voltage		680 V	680 V
Battery energy		65 kWh	65 kWh
Drive motor power		107 kW	107 kW
Hydraulic motor power		84 kW	84 kW
On-board Charger Power / Phase / Current		11 kW / Single-phase or three-phase / AC	11 kW / Single-phase or three-phase / AC
Transmission			
Transmission type		Electrical	Electrical
Number of gears (forward / reverse)		2 / 2	2 / 2
Max. travel speed		37 km/h	23 mph
Drawbar pull max / continuous		8600 daN / 4300 daN	8600 daN / 4300 daN
Parking brake		Automatic negative parking brake	Automatic negative parking brake
Service brake		Oil-immersed multi-discs braking on front & rear axles	Oil-immersed multi-discs braking on front & rear axles
Performances			
Max Gradeability (laden / unladen)		36 % / 48 %	36 % / 48 %
Gradeability continuous (laden / unladen)		18 % / 23 %	18 % / 23 %
Hydraulics			
Hydraulic pump type		Fixed displacement piston	Fixed displacement piston
Hydraulic flow		175 l/min	46 US gpm
Hydraulic Pressure		350 bar	5076 PSI
Hydraulic tank capacity		200 l	53 US gal
Noise and vibration			
Noise at driving position (LpA)		65 dB	65 dB
Environmental noise (LwA)		103 dB	103 dB
Miscellaneous			
Steering wheels (front / rear)		2 / 2	2 / 2
Controls		2 Joysticks	2 Joysticks
Safety cab homologation		ROPS - FOPS level 2 cab	ROPS - FOPS level 2 cab
Attachment recognition system (E-Reco)		Standard	Standard

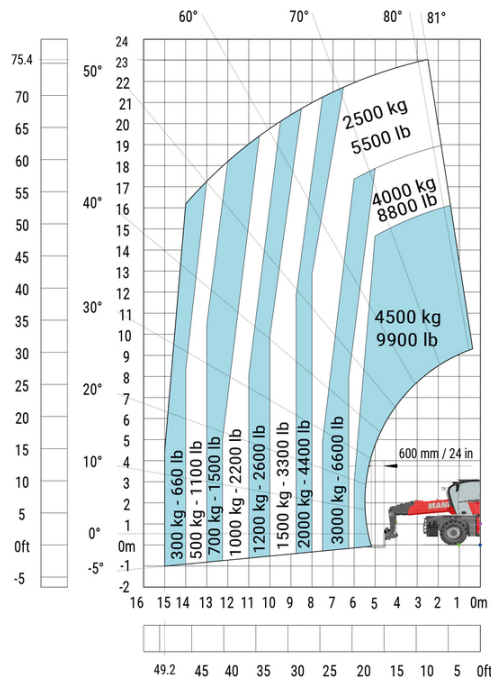
MRT 2660 e - Dimensional drawing



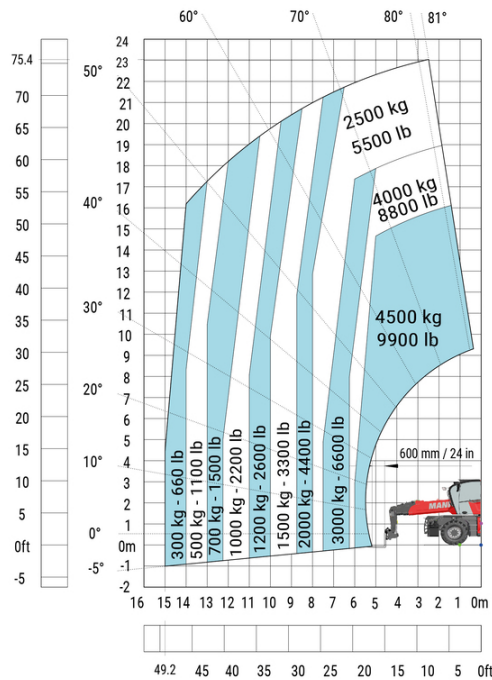
Other data		Metric	Imperial
Length of frame	l14	5.69 m	18 ft 8 in
Wheelbase	y	3.05 m	10 ft
Ground clearance	m4	0.38 m	1 ft 3 in
Counterweight offset (turret at 90°)	a7	2.97 m	9 ft 9 in
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	110 °	110 °
Overall length at stabilisers	l12	5.30 m	17 ft 5 in
External turning radius (over tyres)	Wa1	4.46 m	14 ft 8 in
Overall width with stabilisers extended	b7	5.79 m	19 ft
Overall height	h17	3.10 m	10 ft 2 in
Frame leveling corrector	a9	+/- 7 °	+/- 7 °
Ground clearance under front tires on stabilizers	m5	0.43 m	1 ft 5 in

MRT 2660 e - Load chart

Machine on tyres with forks Metric

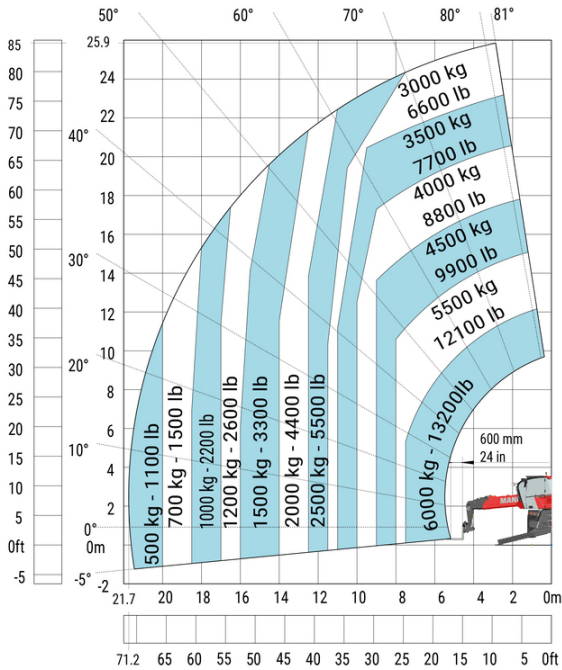
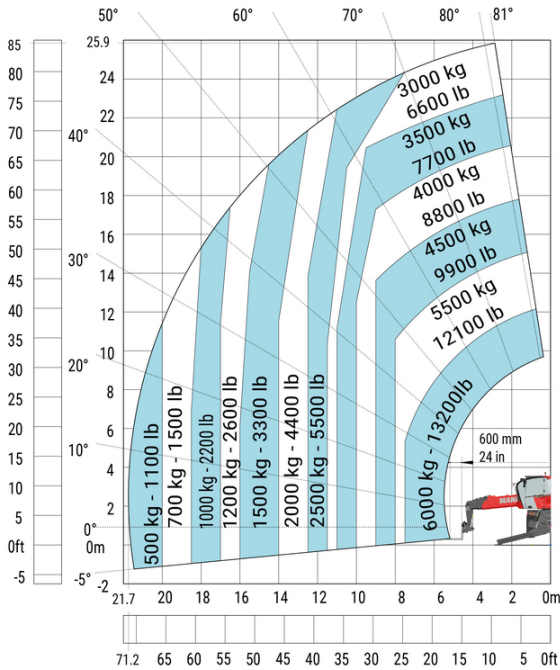


Machine on tyres with forks Imperial



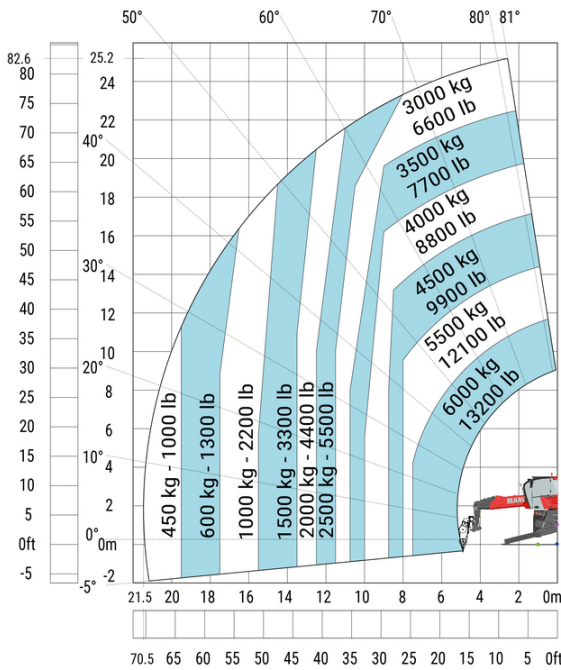
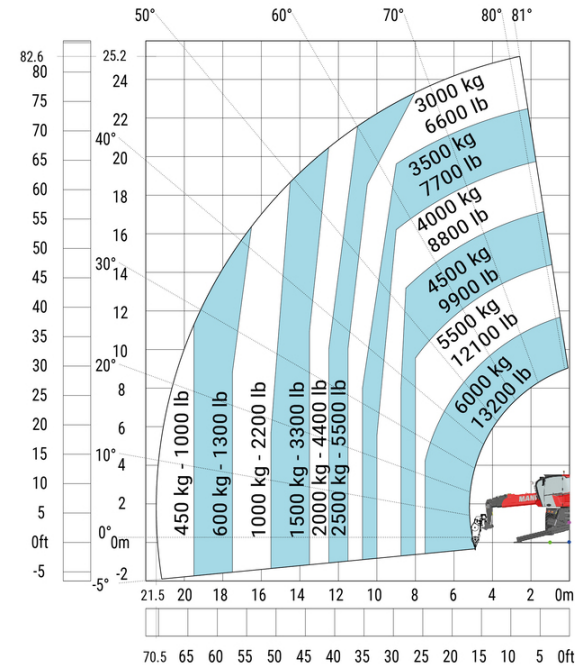
Machine on lowered stabilisers with forks (CAF) Metric

Machine on lowered stabilisers with forks (CAF) Imperial

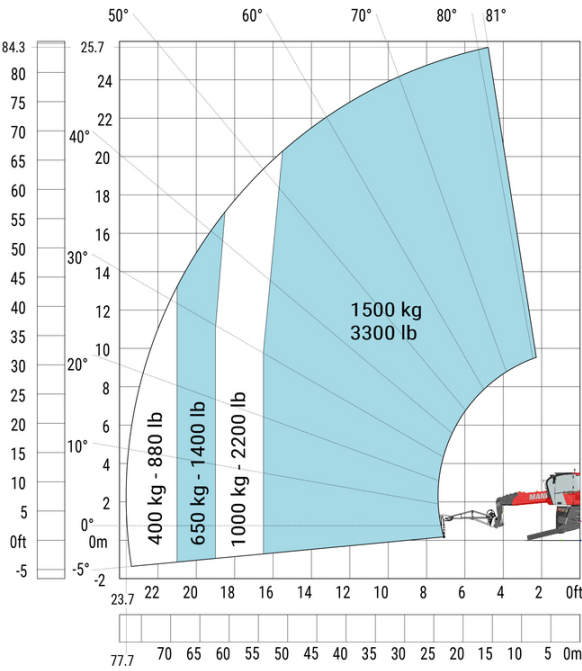


Machine on lowered stabilisers with winch 6000 kg (Metric)

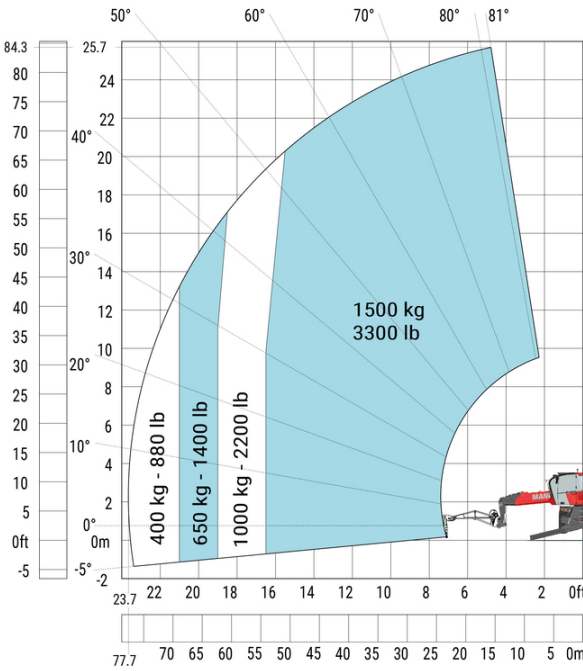
Machine on lowered stabilisers with winch 6000 kg (Imperial)



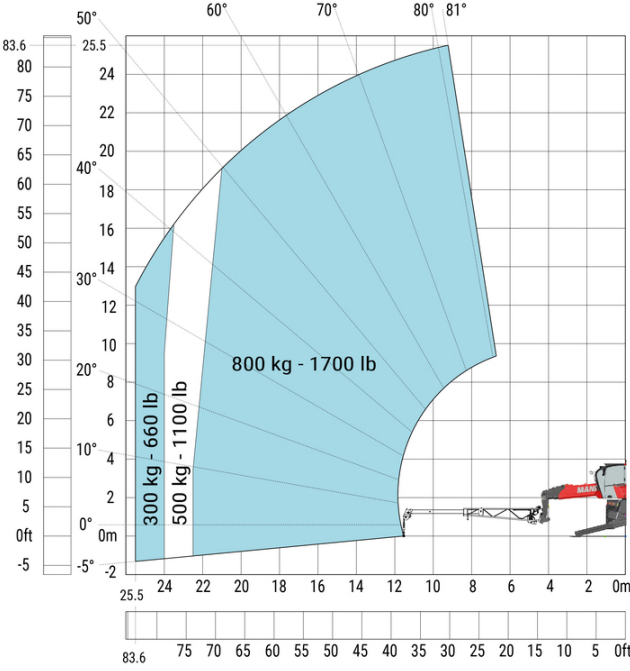
Machine on lowered stabilisers with 1500 kg jib with winch (Metric)



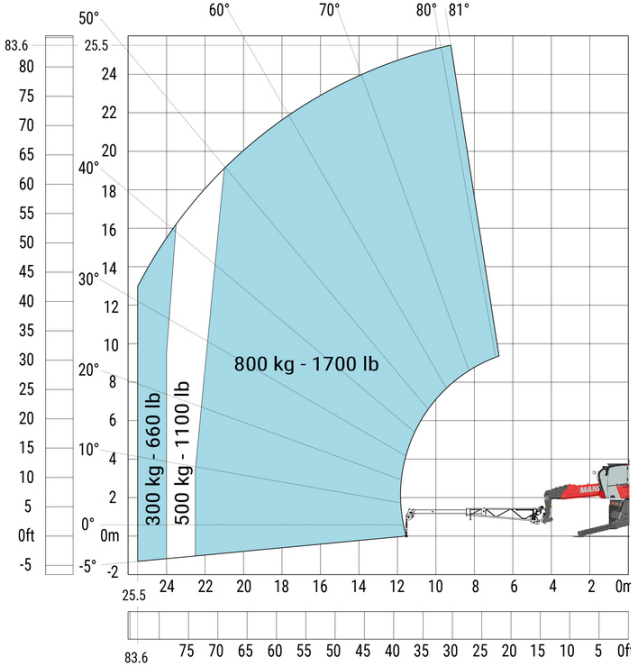
Machine on lowered stabilisers with 1500 kg jib with winch (Imperial)



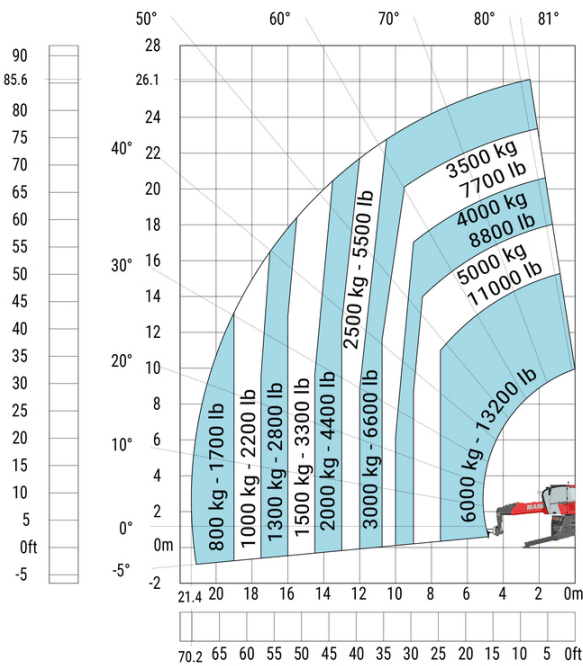
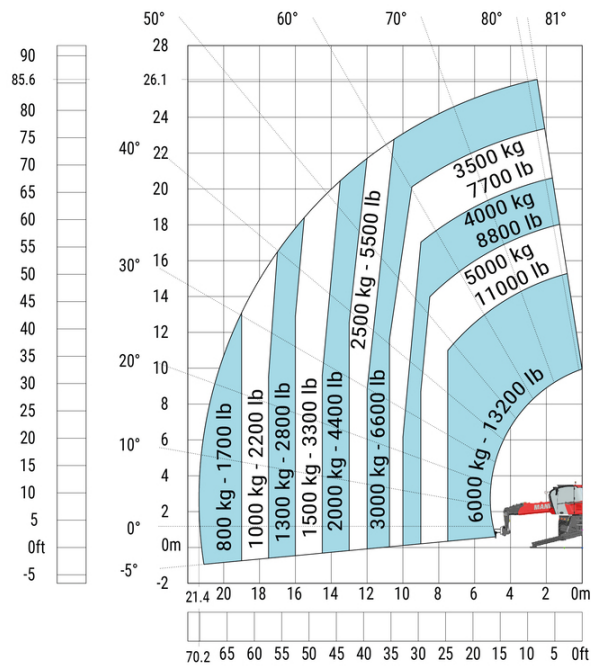
Machine on lowered stabilisers with extensible jib with winch (Metric)



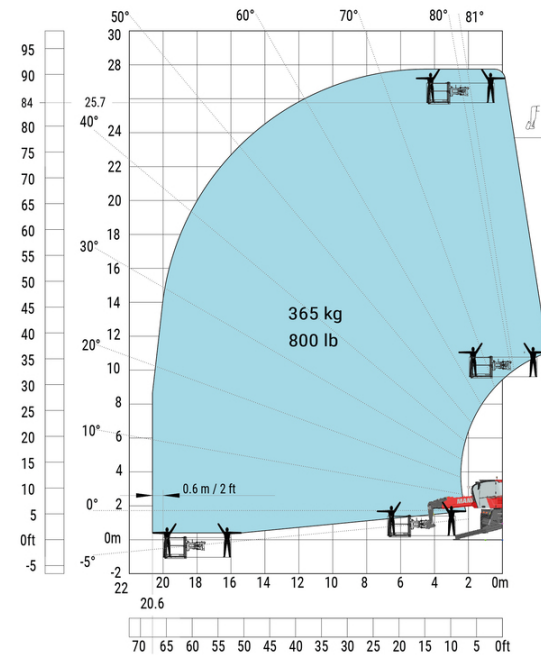
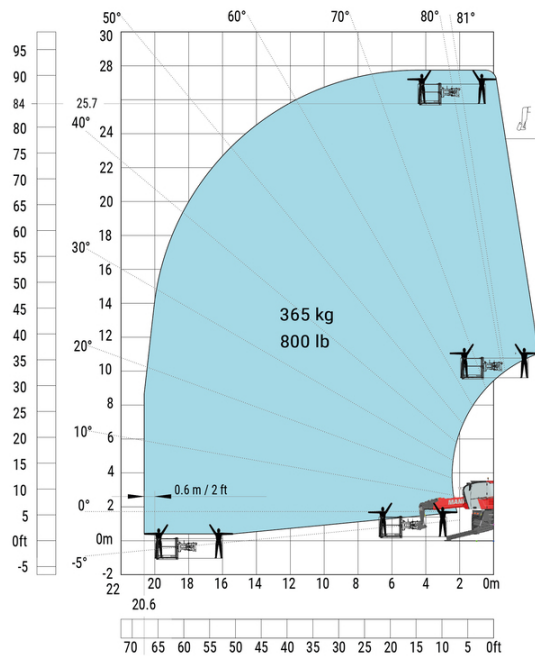
Machine on lowered stabilisers with extensible jib with winch (Imperial)



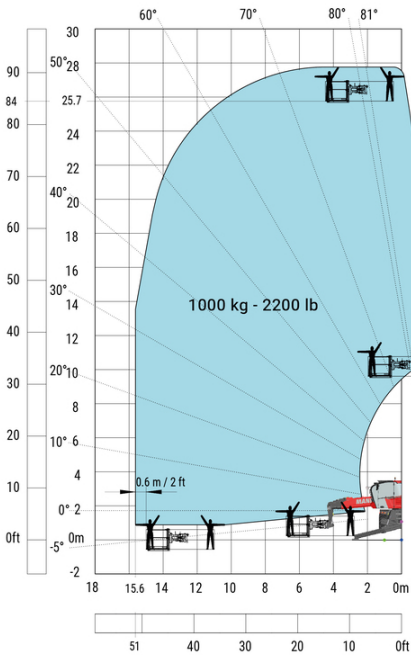
Machine on lowered stabilisers with hook 6000 kg (Metric) Machine on lowered stabilisers with hook 6000 kg (Imperial)



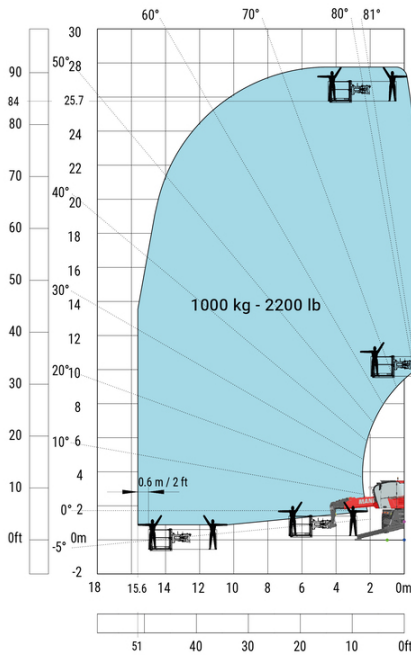
Machine on lowered stabilisers with 365 kg platform Metric Machine on lowered stabilisers with 365 kg platform Imperial



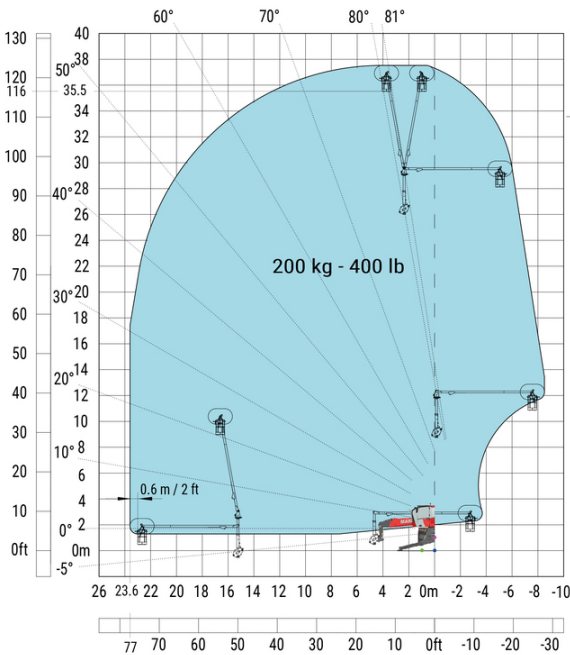
Machine on lowered stabilisers with 1000 kg platform
Metric



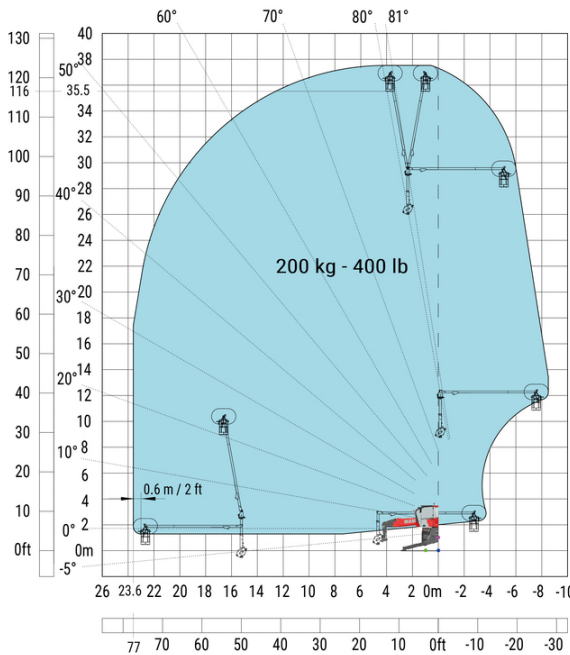
Machine on lowered stabilisers with 1000 kg platform
Imperial



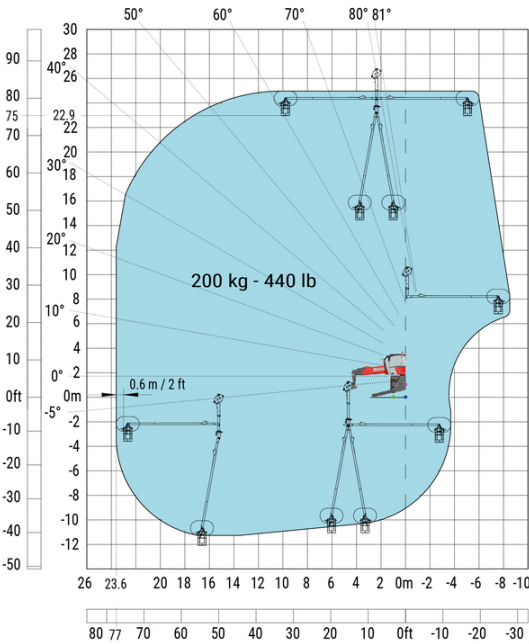
Machine on lowered stabilisers with 3D positive Metric



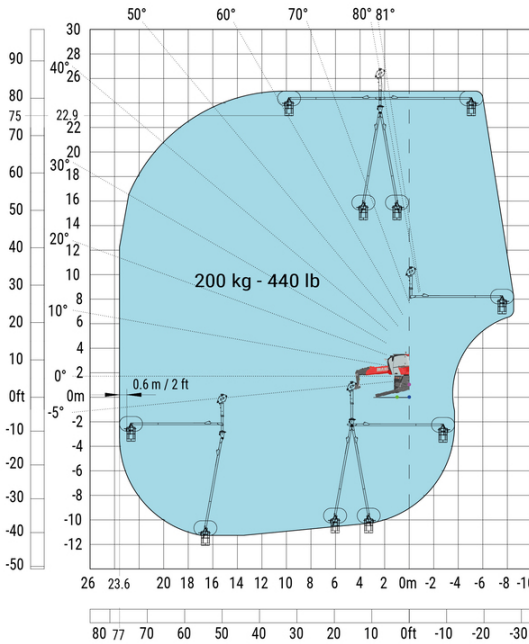
Machine on lowered stabilisers with 3D positive Imperial



Machine on lowered stabilisers with 3D positive / negative
Metric



Machine on lowered stabilisers with 3D positive / negative
Imperial



Equipment

Standard
Optional
Additional battery high voltage 65 kWh
E-xtra generator 18.4 kW

Equipment: E-xtra generator 18.4 kW

Capacities		Metric	Imperial
Fuel tank		65 l	17 US gal
Engine oil		3.40 l	0.90 US gal
Engine			
Engine brand / norm		Yanmar / Stage V / Tier 4	Yanmar / Stage V / Tier 4
Engine model		3TNV80F-ZXKMU	3TNV80F-ZXKMU
Number of cylinders - Capacity of cylinders		3 - 1267 cm³	3 - 77 in³
Max. torque		74.50 Nm	55 ft/lbs
Power		18.40 kW	18.40 kW
Engine rotation		2800 rpm	2800 rpm
Engine rotation (min)		1900 rpm	1900 rpm
Engine cooling system		Water cooled	Water cooled
I.C. Engine power rating		25 Hp	25 Hp



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