Technical sheet :

MT 1840 HA

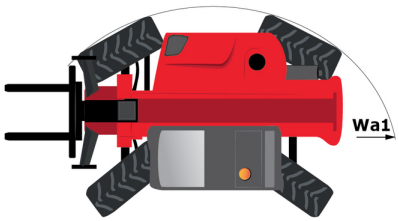


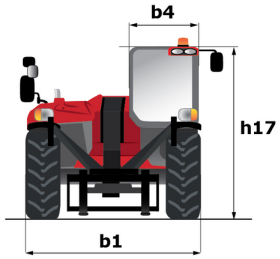
MANITOU
HANDLING YOUR WORLD

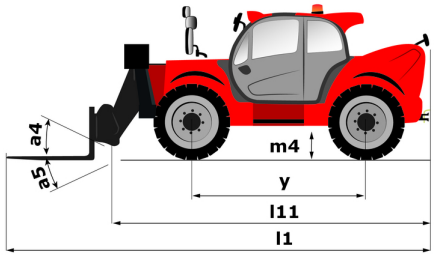
Capacities		Metric	Imperial
Max. capacity		4000 kg	8818 lb
Max. lifting height		17.55 m	57 ft 7 in
Max. outreach		13.08 m	42 ft 11 in
Breakout force with bucket		8390 daN	8390 daN
Weight and dimensions			
Overall length to carriage	l11	6.15 m	20 ft 2 in
Length to face of forks	l2	6.27 m	20 ft 7 in
Overall width	b1	2.36 m	7 ft 9 in
Overall height	h17	2.45 m	8 ft
Wheelbase	y	3.07 m	10 ft 1 in
Ground clearance	m4	0.37 m	1 ft 3 in
Overall cab width	b4	0.89 m	2 ft 11 in
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	114 °	114 °
External turning radius (over tyres)	Wa1	3.94 m	12 ft 11 in
Overall weight		12000 kg	26455 lb
Unladen weight (with man basket)		12680 kg	27955 lb
Tires type		Pneumatic	Pneumatic
Standard tires		Alliance 400/80 - 24 - 162A8	Alliance 400/80 - 24 - 162A8
Forks length / width / section	l / e / s	1200 mm x 125 mm / 50 mm	47 in x 5 in / 2 in
Performances			
Lifting		14.20 s	14.20 s
Lowering		14.60 s	14.60 s
Extension		18.60 s	18.60 s
Retraction		15.50 s	15.50 s
Crowd		5.10 s	5.10 s
Dump		4.80 s	4.80 s
Engine			
Engine brand		Perkins	Perkins
Engine norm		Stage IV / Tier 4 Final	Stage IV / Tier 4 Final
Engine model		854E-E34TA	854E-E34TA
Number of cylinders / Capacity of cylinders		4 - 3400 cm³	4 - 207 in³
I.C. Engine power rating - Power		100 Hp / 75 kW	100 Hp / 75 kW
Max. torque / Engine rotation		430 Nm @ 1400 rpm	317 ft/lbs @ 1400 rpm
Drawbar pull (Laden)		7220 daN	7220 daN
Transmission			
Transmission type		Hydrostatic	Hydrostatic
Number of gears (forward / reverse)		3 / 3	3 / 3
Max. travel speed		24.90 km/h	15 mph
Parking brake		Automatic parking brake	Automatic parking brake
Service brake		Oil-Immersed multi-discs braking on front axles	Oil-Immersed multi-discs braking on front axles
Hydraulics			
Hydraulic pump type		Gear pump	Gear pump
Hydraulic flow / Pressure		170 l/min-270 bar	45 US gpm-3916 PSI
Tank capacities			
Engine oil		7.50 l	2 US gal
Hydraulic oil		135 l	36 US gal
Fuel tank		140 l	37 US gal
DEF tank capacity		21.60 l	6 US gal
Noise and vibration			
Noise at driving position (LpA)		18 dB	18 dB
Noise to environment (LwA)		103 dB	103 dB
Vibration on hands/arms		< 2.50 m/s²	< 2.50 m/s²
Compatible platform			
Platform capacity	Q	1000 kg	2205 lb
Number of people		3	3
Platform dimensions (length x width)	lp / ep	5000 m x 1200 m	16404 ft 2 in x 3937 ft
Platform weight*		1150 kg	2535 lb
Miscellaneous			
Steering wheels (front / rear)		2 / 2	2 / 2
Drive wheels (front / rear)		2 / 2	2 / 2
Safety / Safety cab homologation		Standard EN 15000 / ROPS - FOPS level 2 cab	Standard EN 15000 / ROPS - FOPS level 2 cab
Controls		JSM	JSM
Additional information		Data indicated with basket basket, except max. capacity, lifting height and offset.	Data indicated with basket basket, except max. capacity, lifting height and offset.

Data indicated with basket basket, except max. capacity, lifting height and offset.

MT 1840 HA - Dimensional drawing

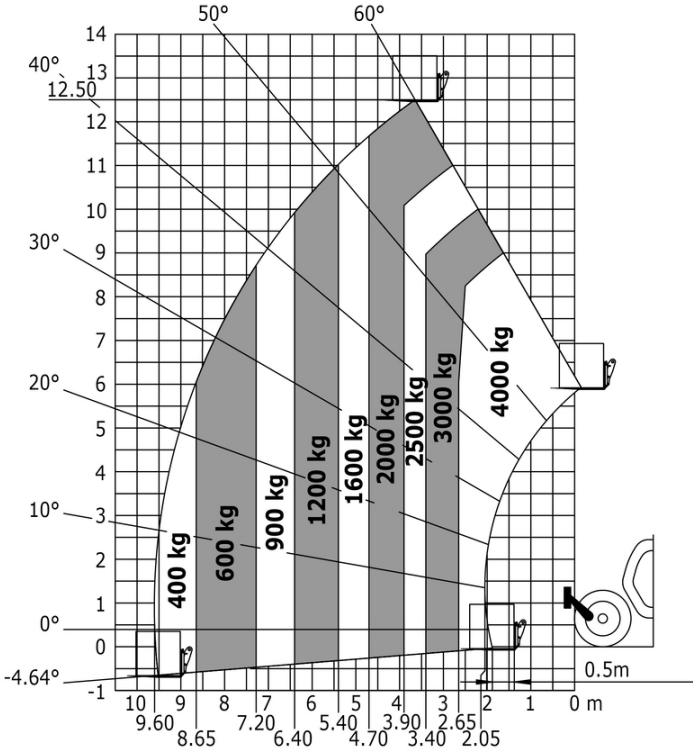




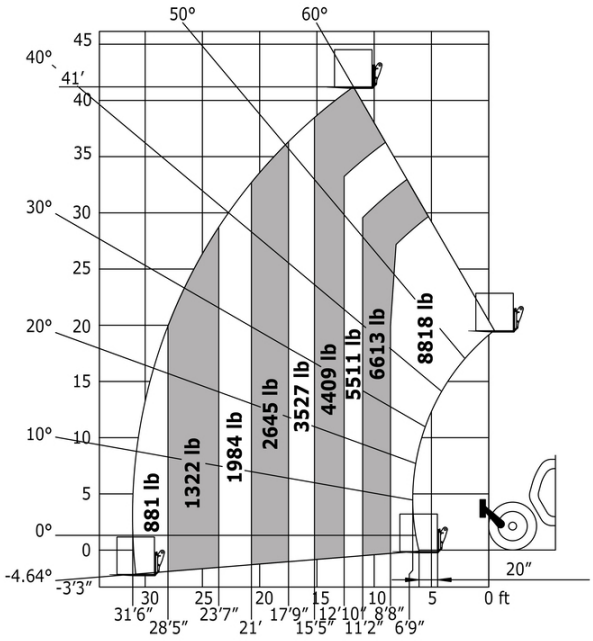


MT 1840 HA - Load chart

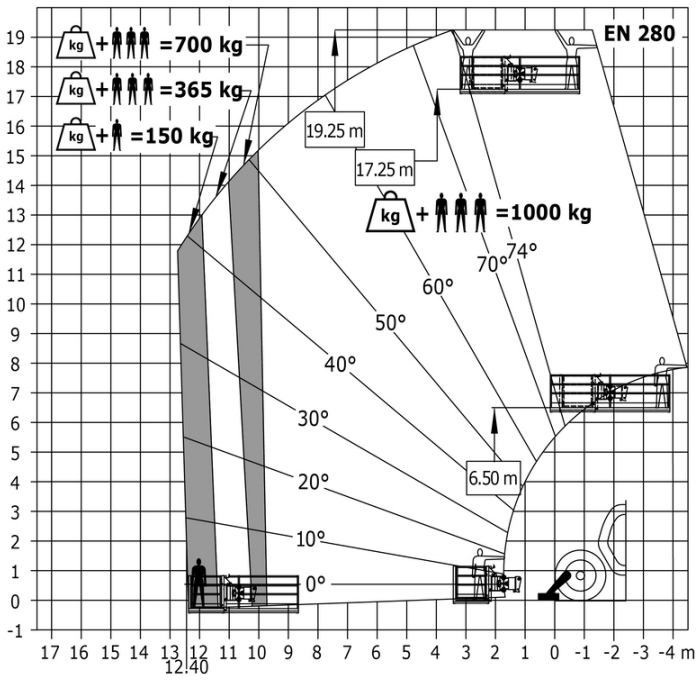
Machine on tyres with forks - with levelling device Metric



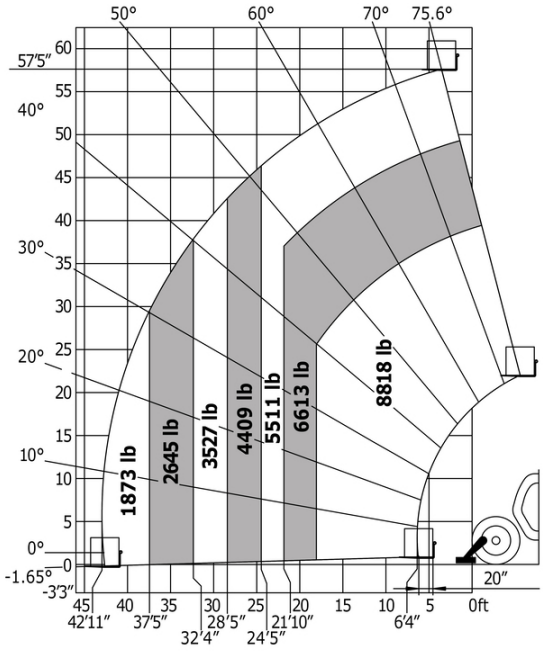
Machine on tyres with forks Imperial



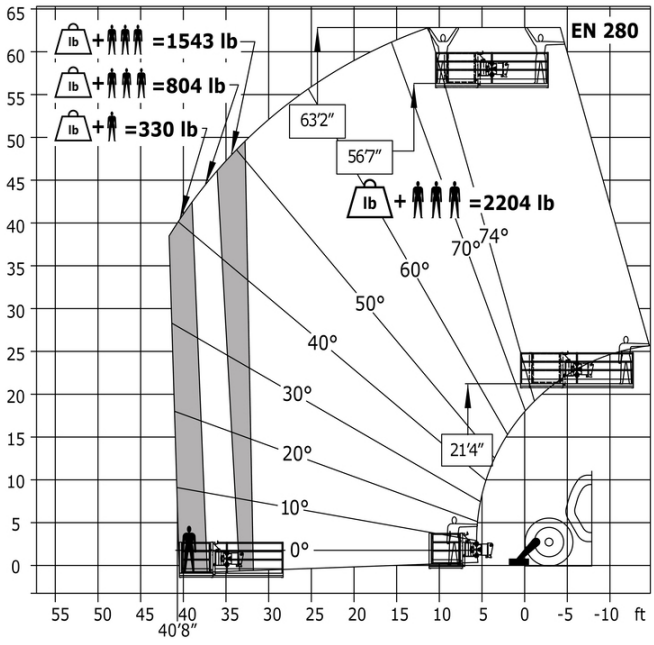
Machine on stabilisers with Man basket Metric



Machine on lowered stabilisers with forks Imperial



Machine on stabilisers with Man basket Imperial



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