

Technical sheet :

# MT 1840 A

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 **MANITOU**  
HANDLING YOUR WORLD

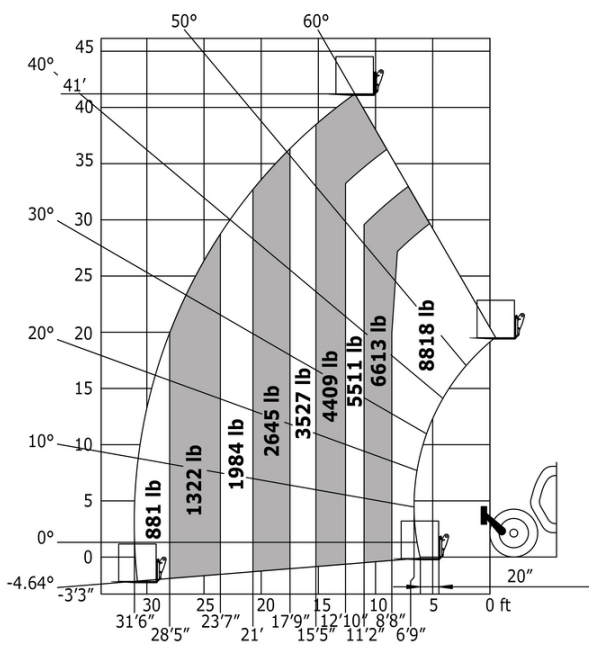
Capacities		Imperial
Max. capacity		8818 lb
Max. lifting height		57 ft 7 in
Max. outreach		42 ft 11 in
Breakout force with bucket		7706 daN
Weight and dimensions		
Overall length to carriage	l11	20 ft 2 in
Length to face of forks	l2	20 ft 7 in
Overall width	b1	7 ft 9 in
Overall height	h17	8 ft
Wheelbase	y	10 ft 1 in
Ground clearance	m4	1 ft 3 in
Overall cab width	b4	2 ft 11 in
Tilt-up angle	a4	12 °
Tilt-down angle	a5	114 °
External turning radius (over tyres)	Wa1	12 ft 11 in
Overall weight		27337 lb
Unladen weight (with man basket)		27888 lb
Tires type		Pneumatic
Standard tires		Alliance 400/80 - 24 - 162A8
Forks length / width / section	l / e / s	47 in x 5 in / 2 in
Performances		
Lifting		14.20 s
Lowering		14.60 s
Extension		18.60 s
Retraction		15 s
Crowd		5.10 s
Dump		4.80 s
Engine		
Engine brand		Perkins
Engine norm		Stage IV / Tier 4 Final
Engine model		854F-E34TA
Number of cylinders / Capacity of cylinders		4 - 207 in³
I.C. Engine power rating - Power		102 Hp / 75 kW
Max. torque / Engine rotation		317 ft/lbs @ 1400 rpm
Drawbar pull (Laden)		6680 daN
Transmission		
Transmission type		Torque converter
Number of gears (forward / reverse)		4 / 4
Max. travel speed		15 mph
Parking brake		Automatic parking brake
Service brake		Oil-immersed multi-discs braking on front & rear axles
Hydraulics		
Hydraulic pump type		Gear pump
Hydraulic flow / Pressure		28 US gpm-3916 PSI
Tank capacities		
Engine oil		2 US gal
Hydraulic oil		36 US gal
Fuel tank		37 US gal
DEF tank capacity		6 US gal
Noise and vibration		
Noise at driving position (LpA)		78 dB
Noise to environment (LwA)		103 dB
Vibration on hands/arms		< 2.50 m/s²
Compatible platform		
Platform capacity	Q	2205 lb
Number of people		3
Platform dimensions (length x width)	lp / ep	16404 ft 2 in x 3937 ft
Platform weight*		2535 lb
Miscellaneous		
Steering wheels (front / rear)		2 / 2
Drive wheels (front / rear)		2 / 2
Safety / Safety cab homologation		Standard EN 15000 / ROPS - FOPS level 2 cab
Controls		JSM

MT 1840 A - Dimensional drawing

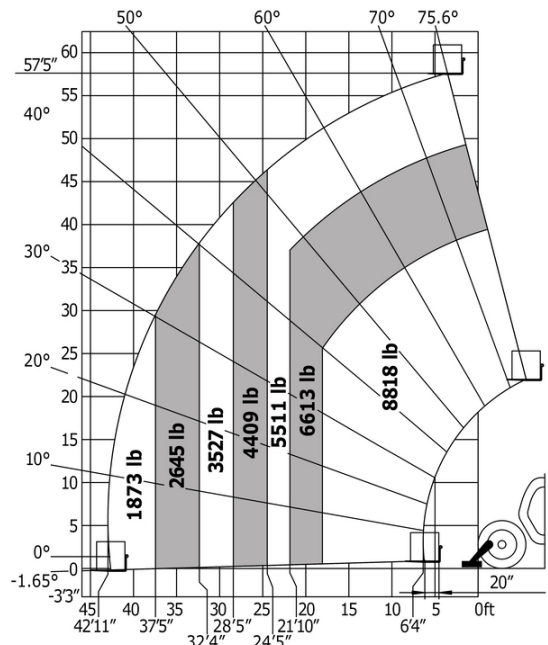


MT 1840 A - Load chart

Machine on tyres with forks - with levelling device Imperial



Machine on lowered stabilisers with forks Imperial





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