

Technical sheet :

# MHT-X 10160 ST3A

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HANDLING YOUR WORLD

Capacities		Metric
Max. capacity		16000 kg
Load center of gravity	c	600 mm
Max. lifting height		9.60 m
Max. outreach		5.20 m
Weight and dimensions		
Overall length	l1	7.35 m
Unladen weight (with forks)		21500 kg
Ground clearance	m4	0.43 m
Wheelbase	y	3.37 m
Length to face of forks	l2	6.15 m
Overall width	b1	2.48 m
Overall height	h17	2.99 m
Overall cab width	b4	0.95 m
Tilt-down angle	a5	104 °
Tilt-up angle	a4	12 °
External turning radius (over tyres)	Wa1	5.20 m
Forks length / width / section	l / e / s	1200 mm x 180 mm / 75 mm
Frame leveling corrector	a9	9 °
Wheels		
Standard tires		17,5-R25
Number of front wheels / rear wheels		2 / 2
Drive wheels (front / rear)		2 / 2
Steering mode		2 wheel steer, 4 wheel steer, Crab mode
Engine		
Engine brand		Yanmar
Engine norm		Stage IIIA
Engine model		4TN107TF6SMU1
Number of cylinders / Capacity of cylinders		4 - 4567 cm³
I.C. Engine power rating / Power		173 Hp / 127 kW
Max. torque / Engine rotation		805 Nm@1500 rpm
Engine cooling system		Water
Number of batteries		2
Battery voltage		12 V
Drawbar pull		11770 daN
Transmission		
Transmission type		Hydrostatic
Number of gears (forward / reverse)		2 / 2
Max. travel speed		25 km/h
Parking brake		Automatic negative parking brake
Service brake		Oil-immersed multi-discs braking on front & rear axles
Gradeability (laden / unladen)		32.40 % / 55.40 %
Hydraulics		
Hydraulic pump type		Variable displacement pump
Hydraulic flow - Pressure		185 l/min - 350 bar
Tank capacities		
Engine oil		13 l
Hydraulic oil		290 l
Fuel tank		315 l
Noise and vibration		
Noise at driving position (LpA)		75 dB
Noise to environment (LWA)		108 dB
Vibration on hands/arms		< 2.50 m/s²
Miscellaneous		
Safety cab homologation		ROPS - FOPS level 2 cab
Controls		JSM
Attachment recognition system (E-Reco)		Standard

MHT-X 10160 ST3A - Dimensional drawing



The graph illustrates the relationship between the weight of a tractor and the maximum height of a load that can be lifted by a forklift. The x-axis represents the tractor weight in kg (5.8, 5, 4, 3, 2, 1, 0m) and lb (19, 15, 10, 5, 0ft). The y-axis represents the maximum height in ft (31.5, 30, 25, 20, 15, 10, 5, 0ft) and m (10, 9.6, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0m). The graph includes a series of curves for different tractor weights, ranging from 3700 kg to 12500 kg. A scale bar indicates 1200 mm / 48 in. An illustration of a red tractor with a forklift attachment is shown on the right side of the graph.

Tractor Weight (kg)	Tractor Weight (lb)
3700	8100
4600	10100
5400	11900
6200	13600
7400	16300
8500	18700
10300	22700
12500	27500

[illegible]

Machine on tyres with tyre handler TH 51 (Metric)



Machine on tyres with cylinder handler CH 4 (Metric)





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