



# MT70-80

SPEC SHEET

7,000 - 8,000 kg

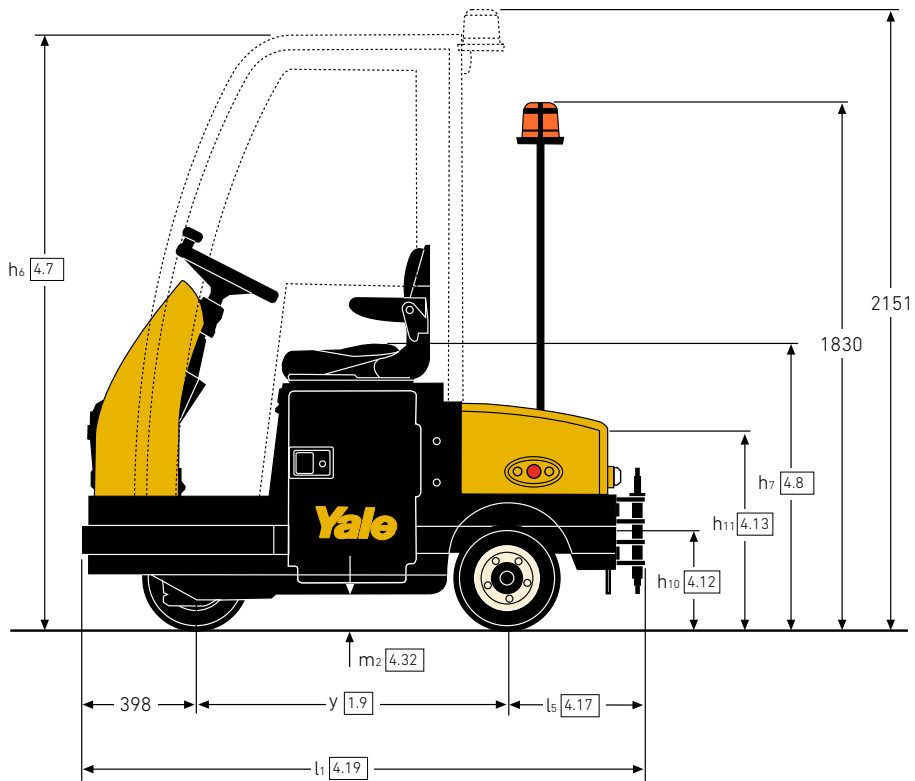
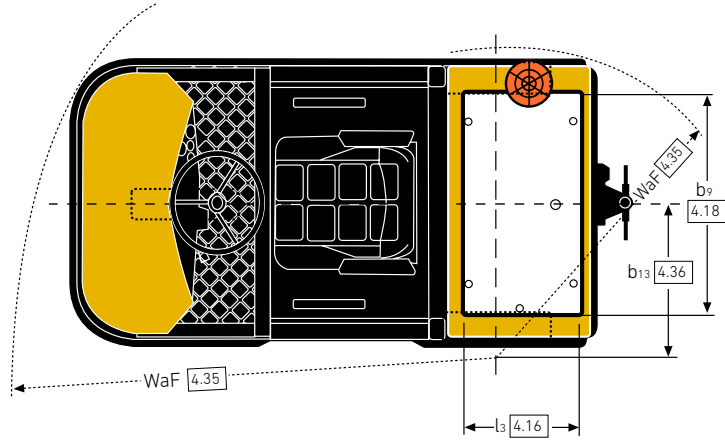
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MT Series

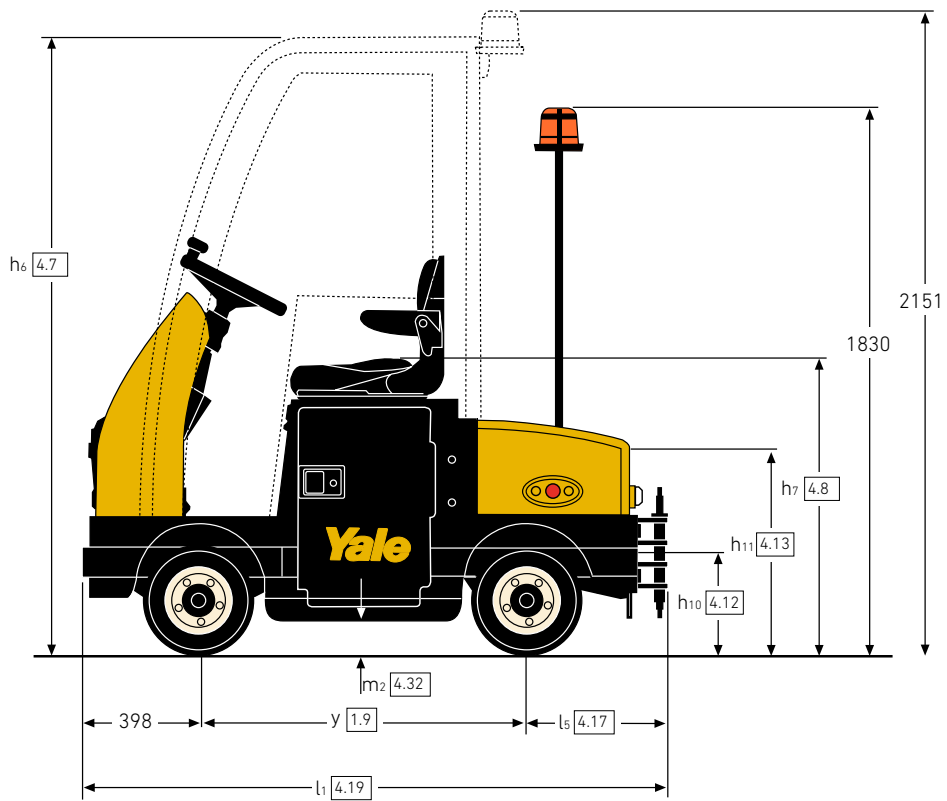
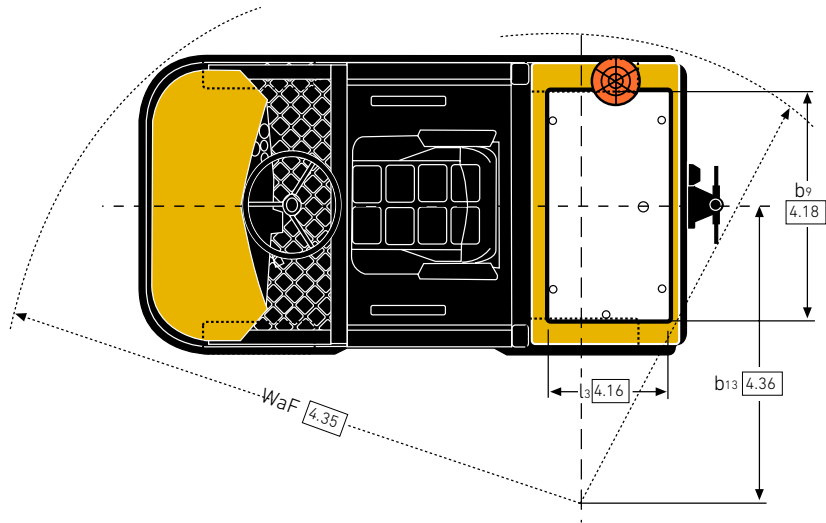
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Seated Tow Tractor

TRUCK DIMENSIONS – MT70



TRUCK DIMENSIONS – MT80



## VDI 2198 – GENERAL SPECIFICATIONS – MT SERIES

		Yale			
		MT70	MT80		
GENERAL	1.1	Manufacturer			
	1.2	Model designation			
	1.3	Drive	Electric (battery)		
	1.4	Operator type	Seated		
	1.5	Rated capacity/Rated load	Q (t)	7.0	8.0
	1.7	Rated drawbar pull	F (N)	1400 <sup>(1)</sup>	1600 <sup>(1)</sup>
1.9	Wheelbase	y (mm)	1080	1095	
WEIGHT	2.1	Service weight <sup>(2) (3)</sup>	kg	1280	1252
	2.2	Axle loading, laden front/rear <sup>(2) (4)</sup>	kg	559 / 884	547 / 868
	2.3	Axle loading, unladen front/rear <sup>(2)</sup>	kg	559 / 684	547 / 668
TYRES	3.1	Tyres front/rear	Superelastic		
	3.2	Tyre size, front	ø mm x mm	376 x 114	
	3.3	Tyre size, rear	ø mm x mm	376 x 114	
	3.5	Wheels, number front/rear (x = driven wheels)		1 / 2 (x)	2 / 2 (x)
	3.6	Tread, front	b <sub>10</sub> (mm)	-	
	3.7	Tread, rear	b <sub>11</sub> (mm)	882	
	DIMENSIONS	4.7	Height of overhead guard (cabin)	h <sub>6</sub> (mm)	2055
4.8		Seat height relating to SIP/stand height	h <sub>7</sub> (mm)	1067	
4.12		Coupling height	h <sub>10</sub> (mm)	345	
4.13		Loading height, unladen	h <sub>11</sub> (mm)	670	
4.16		Length of loading surface	l <sub>3</sub> (mm)	400	
4.17		Overhang	l <sub>5</sub> (mm)	472	
4.17.1		Overhang, cabin	l <sub>5.1</sub> (mm)	0	
4.18		Width of loading surface	b <sub>9</sub> (mm)	765	
4.19		Overall length	l <sub>1</sub> (mm)	1950	
4.21		Overall width	b <sub>1</sub> /b <sub>2</sub> (mm)	1000	
4.32		Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	120	
4.35		Turning radius	Wa F (mm)	1726	2048
4.35.1		Turning radius	Wa R (mm)	1089	1576
4.36		Internal turning radius	b <sub>13</sub> (mm)	550	1050
PERFORMANCE	5.1	Travel speed, laden/unladen	km/h	11 / 14	
	5.1.1	Travel speed, laden/unladen, backwards	km/h	5	
	5.5	Drawbar pull (60 min – 5kph)	N	2300	
	5.6	Max drawbar pull	N	6300	
	5.7	Gradeability, laden/unladen	%	6 / 25	5 / 25
	5.8	Max. gradeability, laden/unladen	%	6 / 25	5 / 25
	5.10	Service brake		Hydraulic	
ELECTRIC	6.1	Drive motor S2 60 minute rating	kW	4	
	6.3	Battery according to DIN 43531/35/36 A,B,C, no		43531/A	
	6.4	Battery voltage/nominal capacity K5	(V) / (Ah)	48 / 375 <sup>(5)</sup>	
	6.5	Battery weight <sup>(6)</sup>	kg	585	
	6.6	Energy consumption according to VDI cycle	kWh/h	3.93	4.58
8.1	Type of drive unit		Solid axle with integral A/C motor and differential		
10.7	Sound pressure level at the driver's seat	dB(A)	50.5	59.3	
<b>Cabbed Version</b>					
WEIGHT	2.1	Service weight	kg	1402 (roll up doors)	1437 (slam doors)
	2.2	Axle loading, laden front/rear <sup>(3)</sup>	kg	659 / 943	675 / 962
	2.3	Axle loading, unladen front/rear	kg	659 / 743	675 / 762

(1) Based on 200N / tonne rolling resistance on a level dry surface

(2) Values refer to uncabbed version

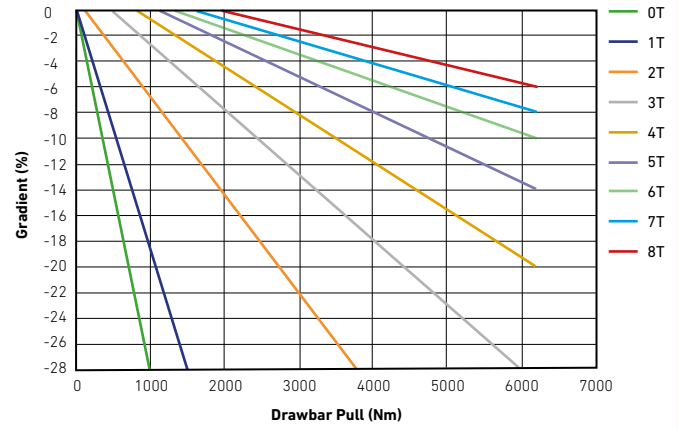
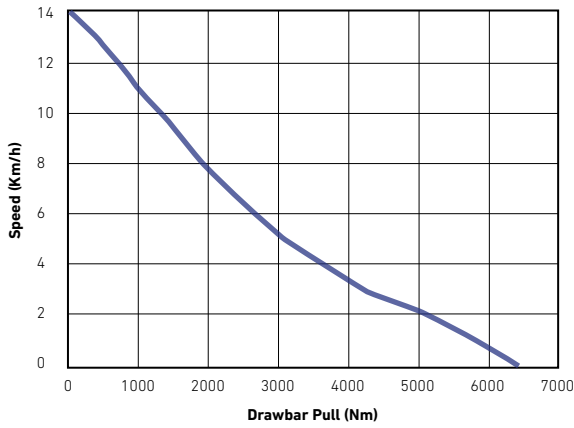
(3) With payload: MT70 1480kg, MT80 1425kg (uncabbed)  
MT70 1602kg, MT80 1637kg (cabbed)

(4) 200kg payload over rear axle

(5) See 'Batteries table.'

(6) These values may vary of +/- 5%

## PERFORMANCE CHARTS – MT SERIES



## BATTERIES TABLE – MT SERIES

GENERAL		Yale									
1.1		Manufacturer									
1.2		MT70 Uncabbed					MT80 Uncabbed				
WEIGHT	2.1	Service weight <sup>(1)</sup>	kg	1140	1243	1240	1280	1112	1215	1212	1252
	2.2	Axle loading, laden front/rear <sup>(2)</sup>	kg	513 / 827	559 / 884	558 / 882	576 / 904	500 / 812	547 / 868	545 / 867	563 / 889
	2.3	Axle loading, unladen front/rear	kg	513 / 627	559 / 684	558 / 682	576 / 704	500 / 612	547 / 668	545 / 667	563 / 689
ELECTRIC	6.3	Battery according to DIN 43531/35/36 A,B,C, no		43531/A	43531/A	43531/A	43531/A	43531/A	43531/A	43531/A	43531/A
	6.4	Battery voltage/nominal capacity K5	(V) / (Ah)	48 / 240	48 / 315	48 / 345	48 / 375	48 / 240	48 / 315	48 / 345	48 / 375
	6.5	Battery weight <sup>(3)</sup>	kg	445	548	545	585	445	548	545	585
Cabbed Version											
GENERAL		Yale									
1.1		Manufacturer									
1.2		MT70 Cabbed					MT80 Cabbed				
WEIGHT	2.1	Service weight <sup>(1)</sup>	kg	1262	1365	1362	1402	1297	1400	1397	1437
	2.2	Axle loading, laden front/rear <sup>(2)</sup>	kg	593 / 869	642 / 923	640 / 922	659 / 943	610 / 887	658 / 942	657 / 940	675 / 962
	2.3	Axle loading, unladen front/rear	kg	593 / 669	642 / 723	640 / 722	659 / 743	610 / 687	658 / 742	657 / 740	675 / 762
ELECTRIC	6.3	Battery according to DIN 43531/35/36 A,B,C, no		43531/A	43531/A	43531/A	43531/A	43531/A	43531/A	43531/A	43531/A
	6.4	Battery voltage/nominal capacity K5	(V) / (Ah)	48 / 240	48 / 315	48 / 345	48 / 375	48 / 240	48 / 315	48 / 345	48 / 375
	6.5	Battery weight <sup>(3)</sup>	kg	445	548	545	585	445	548	545	585

(1) With payload: MT70 1480kg, MT80 1425kg (uncabbed)  
MT70 1602kg, MT80 1637kg (cabbed)

(2) 200 kg payload over rear axle

(3) These values may vary of +/- 5%

All values are nominal values and they are subject to tolerances.









# About Yale®

Yale Materials Handling Corporation is one of the oldest manufacturers of lift trucks in the world. We've been in the business of lifting since 1875 and we apply that experience to help customers solve materials handling challenges. Our full line of lift trucks range in capacity from 1 to 16 tonne and are powered by internal combustion engines or electric options. Yale also offers robotic solutions, telemetry, fleet management, parts, financing and training. From traditional lift truck equipment to emerging technologies, our goal, every day, is to work with our nationwide dealer network to continually improve and provide the solutions you need, when and how you need them.

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- Food Processing
- Furniture & Furnishings
- Health & Pharma
- Home Centres
- Retail
- E-Commerce

## Yale Lift Truck Technologies


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**Safety:** All Yale products sold into EU countries, UK, and Turkey conform to the EU requirements of Machinery Directive 2006/42/EC and contain **CE** marking. Yale trucks sold into other countries may be ordered for production in conformance with Machinery Directive requirements, and when so ordered will contain **CE** marking.

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