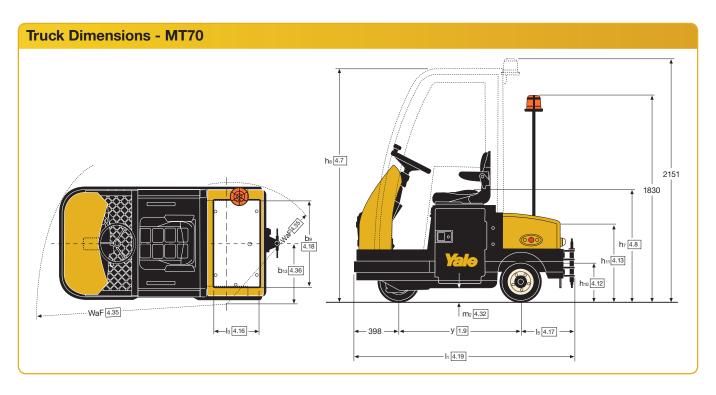


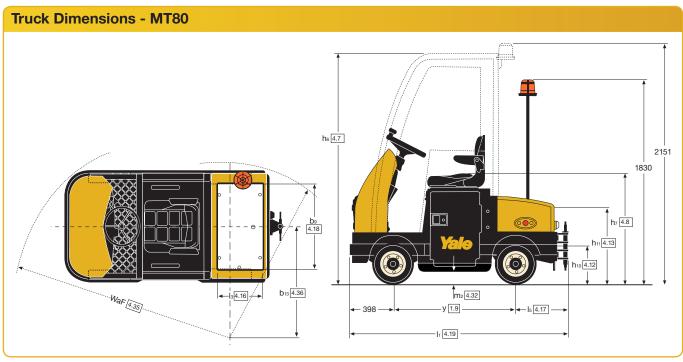


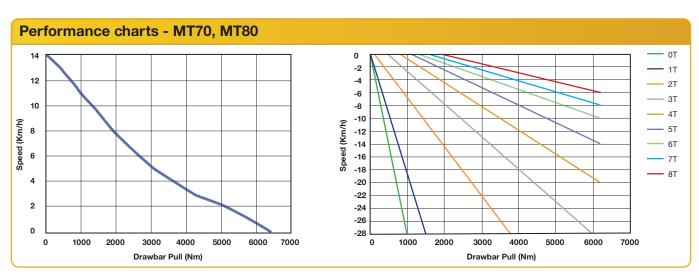
Seated Tow Tractor



- 3-wheel and 4-wheel models
- Seated versions for medium to long distance travel
- AC control system
- Robust construction
- Cabin options available







		198 – General Specifications				
~	1.1	Manufacturer (abbreviation)		Yale	Yale	
	1.2	Manufacturer's type designation		MT70	MT80	
5	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Electric (battery)	Electric (battery)	
Distinguishing mark	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated	
	1.5	Rated capacity/Rated load	Q (t)	7.0	8.0	
	1.7	Rated drawbar pull	F (N)	1400 (5)	1600 ⁽⁵⁾	
	1.9	Wheelbase	y (mm)	1080	1095	
Weights	2.1	Service weight (1) (2)	kg	1280	1252	
	2.2	Axle loading, laden front/rear (1) (3)	kg	559 / 884	547 / 868	
	2.3	Axle loading, unladen front/rear (1)	kg	559 / 684	547 / 668	
	3.1	Tyres: P=Pneumatic, C=Cushion, SE=Superelastic		SE	SE	
20	3.2	Tyre size, front	ø mm x mm	376 x 114	376 x 114	
g	3.3	Tyre size, rear	ø mm x mm	376 x 114	376 x 114	
Tyres/chassis	3.5	Wheels, number front/rear (x = driven wheels)		1 / 2 (x)	2 / 2 (x)	
	3.6	Tread, front	b10 (mm)	-	858	
	3.7	Tread, rear	b ₁₁ (mm)	882	882	
	4.7	Height of overhead guard (cabin)	he (mm)	2055	2055	
	4.8	Seat height relating to SIP/stand height	h ₇ (mm)	1067	1067	
	4.12	Coupling height	h ₁₀ (mm)	345	345	
	4.13	Loading height, unladen	h ₁₁ (mm)	670	670	
	4.16	Length of loading surface	ls (mm)	400	400	
.	4.17	Overhang	Is (mm)	472	472	
S O		Overhang, cabin	ls.1 (mm)	0	0	
Dimensions	4.18	Width of loading surface	be (mm)	765	765	
בֿ	_	Overall length	Iı (mm)	1950	1950	
	4.21	Overall width	b ₁ /b ₂ (mm)	1000	1000	
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	120	120	
	4.35	Turning radius	Wa F (mm)	1726	2048	
		Turning radius	Wa R (mm)	1089	1576	
					1050	
_	4.36	Internal turning radius	b13 (mm)	550		
		Travel speed, laden/unladen	km/h	11 / 14	11 / 14	
data	5.1.1	Travel speed, laden/unladen, backwards	km/h	5	5	
nce	5.5	Drawbar pull (60 min – 5kph)	N	2300	2300	
rma	5.6	Max drawbar pull	N	6300	6300	
Pertormance	5.7	Gradeability, laden/unladen	%	6 / 25	5 / 25	
ĭ	5.8	Max. gradeability, laden/unladen	%	6 / 25	5 / 25	
	5.10	Service brake		Hydraulic	Hydraulic	
<u>l</u>	6.1	Drive motor S2 60 minute rating	kW	4	4	
eng	6.3	Battery according to DIN 43531/35/36 A,B,C, no		43531/A	43531/A	
Electric engine	6.4	Battery voltage/nominal capacity K ₅	(V) / (Ah)	48 / 375 (6)	48 / 375 (6)	
	6.5	Battery weight (5)	kg	585	585	
	6.6	Energy consumption according to VDI cycle	kWh/h	3.93	4.58	
	8.1	Type of drive unit		Solid axle with integr	ral A/C motor & differ	
	10.7	Sound pressure level at the driver's seat	dB(A)	50.5	59.3	

Cabbed version

ts	2.1	Service weight	kg	1402 (roll up doors)	1437 (slam doors)		
eigh	2.2	Axle loading, laden front/rear (2)	kg 659 / 943		675 / 962		
Š	2.3	Axle loading, unladen front/rear	kg	659 / 743	675 / 762		

(1) Values refer to uncabbed version

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

M170 1002/kg, M160 1057/kg (cabbed)

200kg payload over rear axle

These values may vary of +/-5%

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

See 'Batteries table.'

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

For further information, please contact the manufacturer.

Yale products might be subject to change without notice.

Trucks illustrated may feature optional equipment.

Values may vary with alternative configurations.

MT series

Models: MT70, MT80



Ba	Batteries Table State of the Control										
ishing X	1.1	Manufacturer (abbreviation)		Yale			Yale				
Distinguishing mark	1.2	Manufacturer's type designition		MT70 Uncabbed				MT80 Uncabbed			
	2.1	Service weight (1)	kg	1140	1243	1240	1280	1112	1215	1212	11252
Weights	2.2	Axle loading, laden front/rear (2)	kg	513 / 827	559 / 884	558 / 882	576 / 904	500 / 812	547 / 868	545 / 867	563 / 889
Š	2.3	Axle loading, unladen front/rear	kg	513 / 627	559 / 684	558 / 682	576 / 704	500 / 612	547 / 668	545 / 667	563 / 689
.ဝ စ	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
Electric engine	6.4	Battery voltage/nominal capacity Ks	(V) / (Ah)	48 / 240	48 / 315	48 / 345	48 / 375	48 / 240	48 / 315	48 / 345	48 / 375
1	6.5	Battery weight (3)	kg	445	548	545	585	445	548	545	585
uishing	1.1	Manufacturer (abbreviation)		Yale				Yale			
Distinguishing mark	1.2	Manufacturer's type designition		MT70 Cabbed				MT80 Cabbed			
	2.1	Service weight (1)	kg	1262	1365	1362	1402	1297	1400	1397	1437
Weights	2.2	Axle loading, laden front/rear (2)	kg	593 / 869	642 / 923	640 / 922	659 / 943	610 / 887	658 / 942	657 / 940	675 / 962
Š	2.3	Axle loading, unladen front/rear	kg	593 / 669	642 / 723	640 / 722	659 / 743	610 / 687	658 / 742	657 / 740	675 / 762
. <u>C</u> 0	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
Electric engine	6.4	Battery voltage/nominal capacity Ks	(V) / (Ah)	48 / 240	48 / 315	48 / 345	48 / 375	48 / 240	48 / 315	48 / 345	48 / 375
₫ 5	6.5	Battery weight (3)	kg	445	548	545	585	445	548	545	585
(i) With payload: MT70 1480kg, MT80 1425kg (uncabbed)											

MT70 and MT80 Tow Tractors

Comfortable, robust seated tow tractors, designed for use in a wide range of manufacturing and warehouse applications, particularly line-feed operations.

Productivity

- 3-wheel configuration for optimized manoeuvrability.
- 4-wheel configuration for improved stability over uneven surfaces.
- Compact design and highly manoeuvrable.
- Acceleration and travel speeds can be adjusted to the particular needs of the application via the console by a service engineer.
- Anti roll-back software control for easier starting on ramps.
- 4x battery options: 240Ah (standard) with 315Ah, 345 and 375Ah as upgrade options.

Ergonomics

 Easy access with a low single step, offering wider floor area.

- High level driver control.
- Comfortable suspension seat.
- Vertical or lateral battery extraction as standard.
- External inching control to assist driver with trailer hitching.
- Reduced torque steering input.
- Power assisted steering on 4-wheel model.
- Heated cab and slam locking doors on 4-wheel model.

Cost of Ownership

- Advanced control features, such as easy diagnostics via hand-held controller that allows the truck to be tailored to the needs of the application.
- Yale Vision ready.

Dependability

- Solid frame construction and reliable components ensure long-term reliability and durability.
- Automatically applied transmission parking brake.

- Dynamic speed sensing to prevent over-speeding in all driving conditions.
- A sturdy wrap around bumper plate protects the truck against impacts and damage and minimises repair costs.
- The truck's electronics including the AC traction motor, sealed combicontroller (with IP65 rating), sealed electrical connectors and Hall effect sensors and switches - are all protected from damage to provide excellent reliability, maximum productivity. and reduced servicing
- Reduced wiring complexity is a result of the CANbus communication system, which also provides easy access to components and delivers excellent reliability.

Serviceability

The low maintenance AC traction motor with built in thermal protection. minimising service downtime.

HYSTER-YALE UK LIMITED

trading as Yale Europe Materials Handling Centennial House, Frimley Business Park, Frimley, Surrey GU16 7SG, United Kingdom.

Tel: +44 (0) 1276 538500 Fax: +44 (0) 1276 538559



www.yale-forklifts.eu

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