



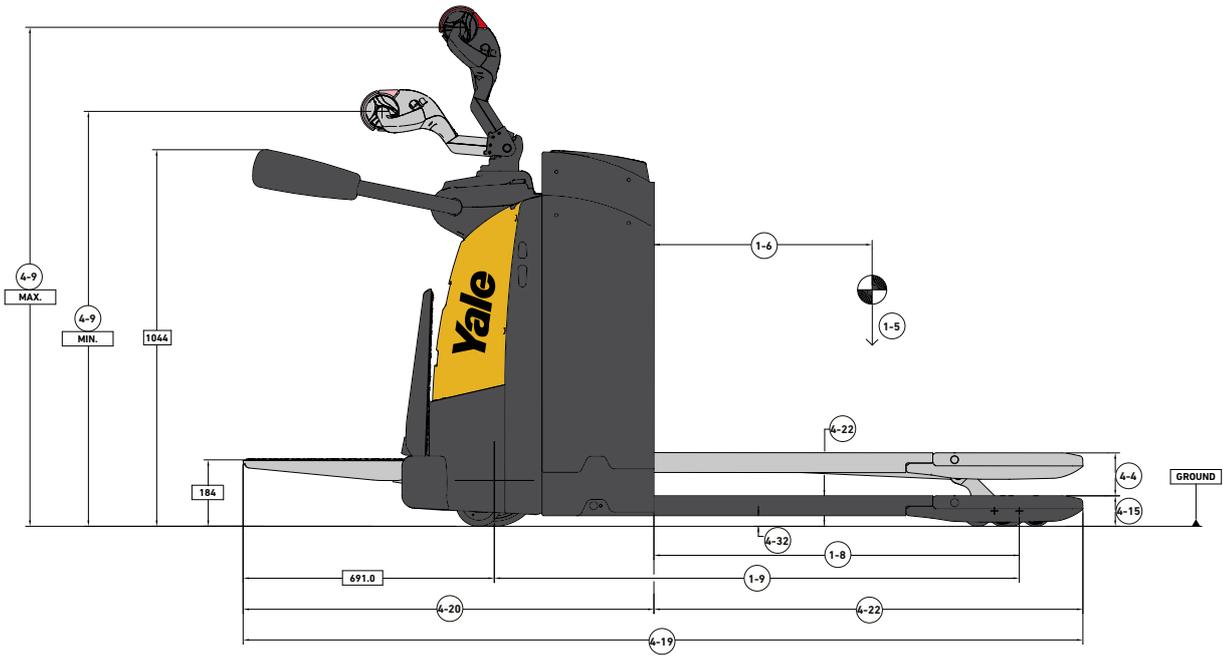
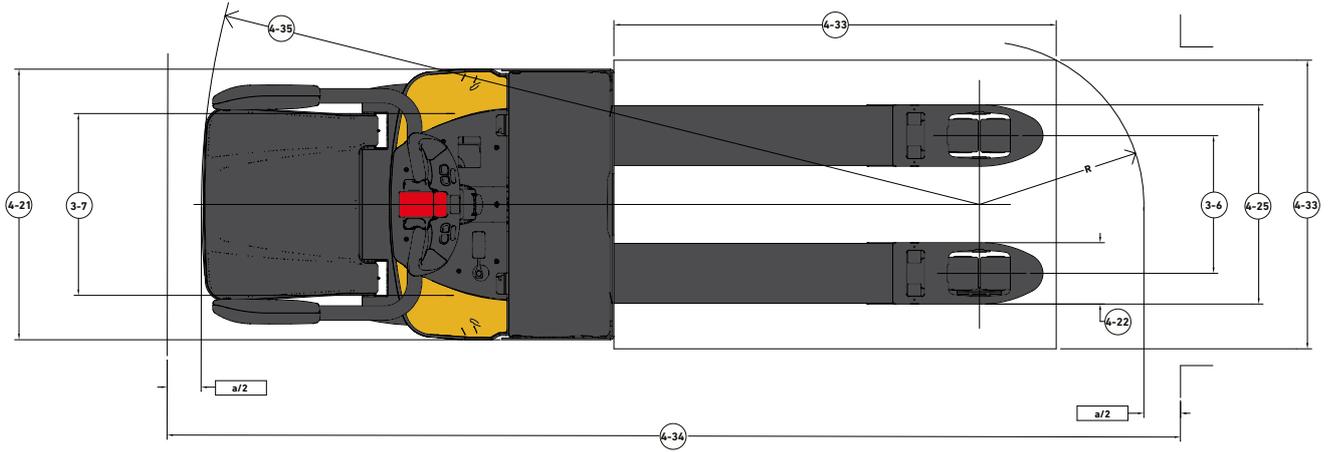
MP 20XV

SPEC SHEET

Platform pallet truck

2000 kg

TRUCK DIMENSIONS



Circled dimensions correspond to the line numbers on the tabulated chart inside the spec sheet. Dimensions are in millimeters.

GENERAL SPECIFICATIONS

DISTINGUISHING MARK	1.1	Manufacturer		Yale	
	1.2	Model designation		MP20XV	
	1.3	Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Battery	
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian / Stand-on	
	1.5	Rated capacity/Rated load	Q	(t)	2.0
	1.6	Load centre distance	c	(mm)	600
	1.8	Load distance, centre of drive axle to fork ^{(4) (5) (12)}	x	(mm)	1005
	1.9	Wheelbase ^{(4) (5) (12)}	y	(mm)	1516
	WEIGHT	2.1	Service weight ^{(2) (4)}		kg
2.2		Axle loading, laden front/rear ⁽²⁾		kg	1625 / 1128
2.3		Axle loading, unladen front/rear ⁽²⁾		kg	148 / 605
TYRES, CHASSIS	3.1	Tyres: polyurethane, tophane, NDIIthane, front/rear			PU/PU
	3.2	Tyre size, front	ø	(mm x mm)	250 x 100 ⁽⁶⁾
	3.3	Tyre size, rear	ø	(mm x mm)	85 x 114 ⁽⁶⁾
	3.4	Additional wheels (dimensions)	ø	(mm x mm)	100 x 40
	3.5	Wheels, number front/rear (x = driven wheels)			1x+2/4 ⁽⁶⁾
	3.6	Tread, front	b 10	(mm)	504 ⁽⁶⁾
	3.7	Tread, rear	b 11	(mm)	382 ⁽⁶⁾
DIMENSIONS	4.4	Lift	h 3	(mm)	120
	4.9	Height drawbar in driving position min./max.	h 14	(mm)	1150 / 1383
	4.15	Height, lowered ⁽⁷⁾	h 13	(mm)	85
	4.19	Overall length (pedestrian) ⁽⁴⁾	l 1	(mm)	1944
	4.19	Overall length (stand-on) ⁽⁴⁾	l 1	(mm)	2377
	4.20	Length to face of forks (pedestrian) ⁽⁴⁾	l 2	(mm)	764
	4.20	Length to face of forks (stand-on) ⁽⁴⁾	l 2	(mm)	1197
	4.21	Overall width	b 1/b 2	(mm)	750
	4.22	Fork dimensions ⁽⁴⁾	s/e/l	(mm)	55 x 170 x 1180
	4.25	Forks spread ⁽⁸⁾	b 5	(mm)	552
	4.32	Ground clearance, centre of wheelbase	m 2	(mm)	30
	4.33	Load dimension b 12 x l 6	b 12 x l 6	(mm)	800 x 1200
	4.34.1	Aisle width for pallets 1000mm x 1200mm crossways (pedestrian) ^{(4) (9)}	A st	(mm)	2492
	4.34.1	Aisle width for pallets 1000mm x 1200mm crossways (stand-on) ^{(4) (9)}	A st	(mm)	2908
	4.34.2	Aisle width for pallets 800mm x 1200mm lengthwise (pedestrian) ^{(4) (9)}	A st	(mm)	2406
	4.34.2	Aisle width for pallets 800mm x 1200mm lengthwise (stand-on) ^{(4) (9)}	A st	(mm)	2822
	4.35	Turning radius (pedestrian) ^{(4) (5) (10)}	W a	(mm)	1795
4.35	Turning radius (stand-on) ^{(4) (5) (10)}	W a	(mm)	2211	
PERFORMANCE DATA	5.1	Travel speed laden/unladen (pedestrian)		km/h	6 / 6
	5.1	Travel speed laden/unladen (stand-on)		km/h	8 / 8
	5.1.1	Travel speed, laden/unladen, backwards (pedestrian)		km/h	6 / 6
	5.1.1	Travel speed, laden/unladen, backwards (stand-on)		km/h	8 / 8
	5.2	Lift speed, laden/unladen		m/s	0.04 / 0.05
	5.3	Lowering speed, laden/unladen		m/s	0.06 / 0.06
	5.8	Max. gradeability, laden/unladen ⁽¹¹⁾		%	8 / 20
5.10	Service brake			Electromagnetic	
ELECTRIC - ENGINE	6.1	Drive motor, S2 60 minute rating		kW	2.0
	6.2	Lift motor, S3 15% rating ⁽³⁾		kW	2.2
	6.3	Battery according to DIN 43531/35/36 A,B,C, no			B
	6.4	Battery voltage/nominal capacity K5 ⁽⁴⁾		(V)/(Ah)	24 / 375
	6.5	Battery weight ^{(2) (4)}		kg	292
	6.6	Energy consumption according to DIN EN 16796		kWh/h	0.32
	6.7	Turnover output according to VDI 2198		t/h	118
	6.8	Turnover efficiency according to VDI 2198		t/kWh	100
DRIVE/LIFT MECHANISM	8.1	Type of drive unit			AC-Controller
ADDITION DATA	10.7	Sound pressure level at operating position		dB (A)	75

⁽¹⁾ If truck climbs ramps frequently (within 1h), consult your local dealer

⁽²⁾ These values may vary of +/- 5%

⁽³⁾ Value referred to S3 5%

⁽⁴⁾ See "Batteries-Batt.compartments tbl" and "Battery compartment-Forks table"

⁽⁵⁾ With load section lifted: -67mm

⁽⁶⁾ Pedestrian version. For Stand-on version, front/rear are inverted

⁽⁷⁾ Max h13 value shall be 87mm

⁽⁸⁾ b5 available: 500/542/640

⁽⁹⁾ Forks raised -- Ast = Wa + R + a -- Wa and R with forks raised

⁽¹⁰⁾ Forks lowered -- With forks raised -67mm

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.
Lift trucks illustrated may feature optional equipment.
Values may vary with alternative configurations.

BATTERY TYPE AND DIMENSIONS

Type	Ah	Battery weight [kg]			Battery Remvol	Battery size [mm]	Battery compartment		
		Nom.	Min.	Max.			250	375	500
Lead acid	250	212	201	225	VE/SE	624 x 212 x 627 (DIN B)	●		
Lead acid	375	288	274	310	VE/SE	624 x 284 x 627 (DIN B)		●	
Lead acid	500	370	352	389	VE/SE	624 x 356 x 627 (DIN B)			●
Lithium-ion	228	72	60	80	VE	624 x 212 x 627 (DIN B)	●		
Lithium-ion		72	60	80	SE	624 x 284 x 627 (DIN B)		●	
Lithium-ion	302	105	95	115	VE	624 x 284 x 627 (DIN B)		●	
Lithium-ion		105	95	115	SE	624 x 356 x 627 (DIN B)			●
Lithium-ion	456	185	175	195	VE/SE	624 x 356 x 627 (DIN B)			●

BATTERY COMPARTMENT DIMENSIONS

Battery compartment	l	x	y	l1 pedest	l1 platf	l2 pedest	l2 platf	l6	b12	Wa pedest	Wa platf	a	Ast pedest	Ast platf
	(mm)	(mm) ⁽¹⁾	(mm) ⁽¹⁾	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm) ⁽¹⁾	(mm) ⁽¹⁾	(mm)	(mm) ⁽²⁾	(mm) ⁽²⁾
250	1180	1005	1444	1872	2305	692	1125	1200	800	1724	2140	200	2335	2751
375	1180	1005	1516	1944	2377	764	1197	1200	800	1795	2211	200	2406	2822
500	1180	1005	1588	2016	2449	836	1269	1200	800	1866	2282	200	2477	2893
250	1180	1005	1444	1872	2305	692	1125	1200	1000	1724	2140	200	2421	2837
375	1180	1005	1516	1944	2377	764	1197	1200	1000	1795	2211	200	2492	2908
500	1180	1005	1588	2016	2449	836	1269	1200	1000	1866	2282	200	2563	2979
250	990	815	1254	1682	2115	692	1125	1000	1200	1537	1951	200	2321	2735
375	990	815	1326	1682	2115	692	1125	1000	1200	1608	2022	200	2392	2806
500	990	815	1398	1682	2115	692	1125	1000	1200	1679	2093	200	2463	2877
250	1590	1415	1854	2282	2715	692	1125	1600	1200	2129	2548	200	2913	3332
375	1590	1415	1926	2282	2715	692	1125	1600	1200	2200	2619	200	2984	3403
500	1590	1415	1998	2282	2715	692	1125	1600	1200	2271	2690	200	3055	3474

FORK DIMENSIONS

B5	Length	Load wheel diameter / battery box size		
		250	375	500
500/542/640	L= 990 X=815	YES	YES	YES
500/542/640	L= 1180 X=1005	YES	YES	YES
500/542/640	L= 1590 X=1415	YES	YES	YES

FEATURES LIST

PERFORMANCE	STD	OPT
24V system	●	
Standard Travel Speed 8Km/H (with Speed Reduction on Cornering)	●	
Smart Lift		●
DRIVE	STD	OPT
Electrical steering	●	
Tiller control - fixed height	●	
85 x 90mm tandem PU load wheels	●	
85 x 114mm single PU load wheels		●
250 x 100mm Powerthane drive wheel	●	
250 x 100mm Powerfriction drive wheel		●
Independent caster wheels	●	
HANDLING	STD	OPT
1180 x 552 (X=1005mm) forks	●	
Forks height from ground 85mm	●	
990 x 510 (X=815mm) forks		●
1180 x 510 (X=1005mm) forks		●
1590 x 510 (X=1415mm) forks		●
990 x 552 (X=815mm) forks		●
1590 x 552 (X=1415mm) forks		●
990 x 650 (X=815mm) forks		●
1180 x 650 (X=1005mm) forks		●
1590 x 650 (X=1415mm) forks		●
Without load backrest	●	
1800mm high load backrest		●
OPERATION	STD	OPT
Key switch	●	
Multifunctional display	●	
Standard platform with side arms	●	
Standard platform without side arms		●
A4 clip board		●
Bottle holder		●
Multipurpose bar - across		●
12V DC/DC converter		●
24V DC/DC converter		●
Manual work light		●
Pedestrian Awareness Light (P.A.L.)		●
Audible forward alarm (forks trailing)		●
Audible reverse alarm (forks leading)		●
Audible forward and reverse alarm		●

CONSTRUCTION	STD	OPT
Standard environmental construction	●	
Cold storage (-30°C)		●
ENERGY SYSTEM	STD	OPT
624 x 284x 627mm (375Ah) battery compartment	●	
624 x 212 x 627mm (250Ah) battery compartment		●
624 x 356 x 627mm (500Ah) battery compartment		●
24V 250AH battery (DIN)*		●
24V 375AH battery (DIN)*		●
24V 500AH battery (DIN)*		●
24V 228AH lithium-ion battery (Yale)		●
24V 302AH lithium-ion battery (Yale)		●
24V 456AH lithium-ion battery (Yale)		●
Vertical battery extraction	●	
Battery extraction (using rollers)		●
Gravity feed water reservoir		●
Battery cable extension (1500mm)		●
External charger - 380V three phase 150Amp without Plug (for lithium-ion battery)*		●
Battery communication - lithium-ion BMS 4G Global		●
Battery communication - lithium-ion BMS without 4G		●
220V, single phase 8 hour 50Hz 24/35 **		●
220V, single phase 8 hour 50Hz 24/60 **		●
380V, three phase 8 hour 50Hz 24/80 **		●
SUPPLEMENTAL	STD	OPT
12 Months / No Hour Limit Full Truck Warranty, 36 Months / 6,000 Hours Powertrain Warranty, Lifetime Frame Warranty; please see full Warranty Statement for additional details.	●	
Operating manual	●	
Parts manual		●

*Lead-acid battery, Hawker or Tian Neng
**Charger, CACTI



About Yale

Yale Lift Truck Technologies leverages over a century of material handling experience and substantial investment in innovation to bring the most advanced technology-driven lift truck solutions to market. The company offers a full line of award-winning lift trucks, including reach trucks, order pickers, turret trucks, pallet jacks and trucks, pallet stackers, tow tractors and counterbalanced forklifts, as well as powerful operator assist solutions, proven automation and a wide range of power sources to help customers adapt to today's demanding supply chain. Yale and its independent dealer network support these solutions with comprehensive after-sales service, parts, financing and training.

MATERIALS HANDLING FOR:

Third-party logistics (3PL)

Auto parts distribution

Beverage

Cold & frozen foods

Food distribution

Food processing

Furniture & furnishings

Government

Health & pharma

Home centers & durables

Retail & e-commerce

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