



M012C

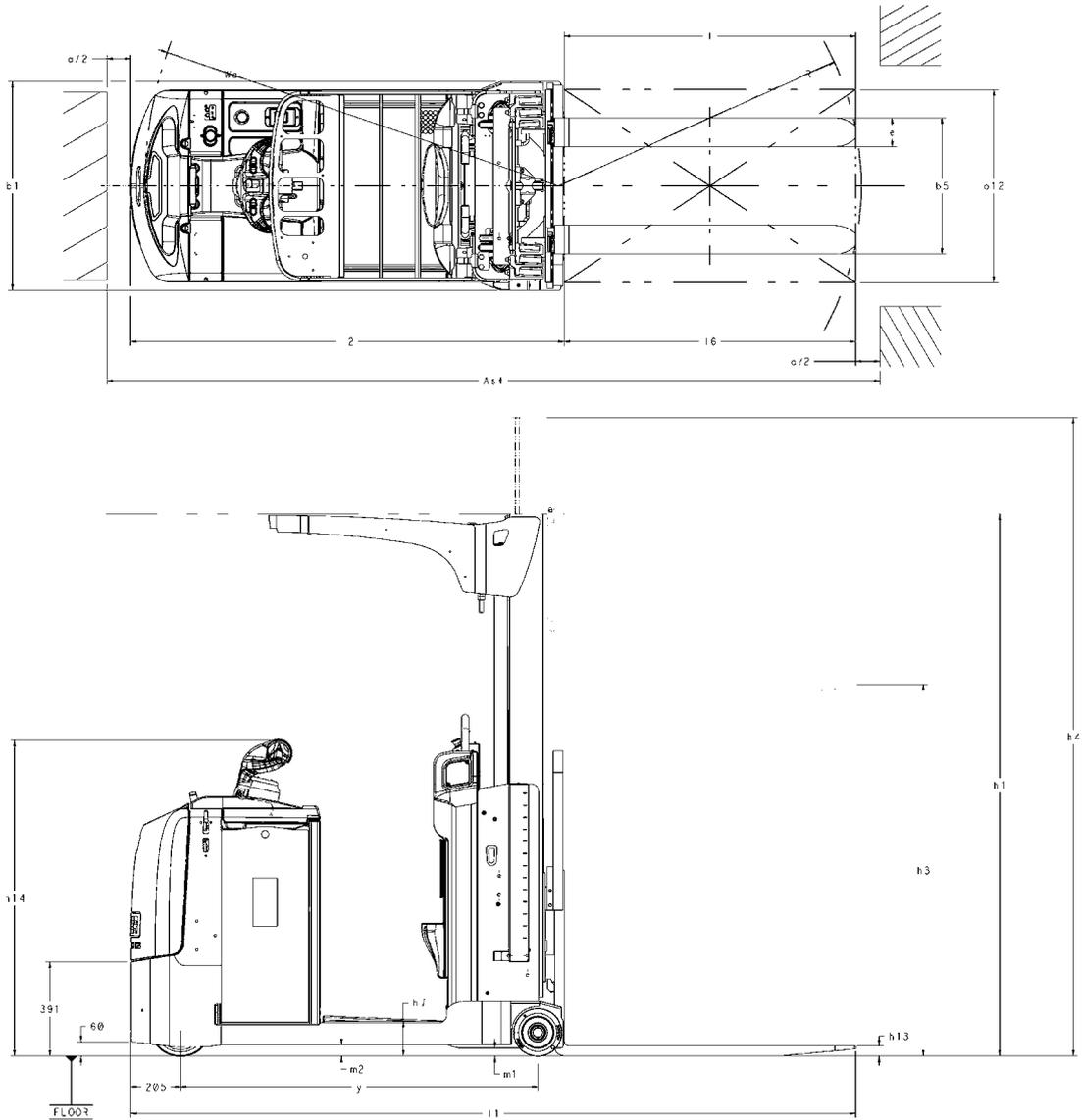
SPEC SHEET

1,200 kg

M012C

Counterbalance
Order Picker

TRUCK DIMENSIONS – M012C



CAPACITY CHART – M012C

Yale		Mast											Battery		Forks			
E857		1 stg FFL		2stg FFL			2stg NFL			3stg FFL			(Ah and kg)		FEM 2 forks 100x40x1200			
M012C		SPED h ₃ .max=1745		B582 h ₃ .max=4140			B583 h ₃ .max=4200			B584 h ₃ .max=4620			620Ah					
(mm)	h ₃	1745	2940	3000	3140	3200	3340	3400	3540	3600	3740	3800	3940	4000	4140	4200	4340	4620
	H	1790	2,985	3,045	3,185	3,245	3,385	3,445	3,585	3,645	3,785	3,845	3,985	4,045	4,185	4,245	4,385	4,665
500	kg	1,200	1,200	1,200	1,200	1,200	1,190	1,180	1,150	1,140	1,110	1,100	1,070	1,050	1,020	1,010	980	900
600	kg	1,200	1,000	1,000	1,000	1,000	990	980	960	950	930	920	890	880	850	840	820	750

The capacity chart shows the relationship between the truck's height (h₃ in mm) and its capacity in kg. The y-axis represents capacity in kg, ranging from 0 to 1250. The x-axis represents height in mm, ranging from 1745 to 4620. Two lines are plotted: a black line representing the 500 kg capacity and a yellow line representing the 600 kg capacity. Both lines show a slight downward trend as height increases.

VDI 2198 – GENERAL SPECIFICATIONS – M012C

GENERAL	1.1	Manufacturer		Yale	
	1.2	Model designation		M012C	
	1.3	Drive		Battery	
	1.4	Operator type		Counterbalance Order-picker	
	1.5	Rated capacity/Rated load	Q (t)	1.2	
	1.6	Load centre distance	c (mm)	500	
	1.8	Load distance, centre of drive axle to fork	x (mm)	1579	
	1.9	Wheelbase	y (mm)	1470	
	WEIGHT	2.1	Service weight ⁽¹⁾⁽²⁾	(kg)	1780
2.2		Axle loading, laden front/rear ⁽²⁾	(kg)	515 / 2950	
2.3		Axle loading, unladen front/rear	(kg)	1045 / 1220	
TYRES	3.1	Tyres front/rear		Topthane / Polyurethane	
	3.2	Tyre size, front	ø (mm x mm)	254 x 90	
	3.3	Tyre size, rear	ø (mm x mm)	200 x 100	
	3.5	Wheels, number front/rear (x = driven wheels)		1x/2	
	3.6	Tread, front	b ₁₀ (mm)	-	
	3.7	Tread, rear	b ₁₁ (mm)	746	
	DIMENSIONS	4.2	Height, mast lowered ⁽²⁾	h ₁ (mm)	2250
4.4		Lift ⁽²⁾	h ₃ (mm)	4620	
4.5		Height, mast extended ⁽²⁾	h ₄ (mm)	5386	
4.8		Seat height relating to SIP/stand height	h ₇ (mm)	152	
4.9		Height drawbar in driving position min./max.	h ₁₄ (mm)	1317	
4.12		Coupling height	h ₁₀ (mm)	-	
4.14		Stand height, elevated	h ₁₂ (mm)	-	
4.15		Height, lowered	h ₁₃ (mm)	45	
4.17		Lengthwise	l ₆ (mm)	1200	
4.19		Overall length ⁽³⁾	l ₁ (mm)	2983	
4.2		Length to face of forks	l ₂ (mm)	1785	
4.21		Overall width	b ₁ /b ₂ (mm)	866	
4.22		Fork dimensions	s/e/l (mm)	40/100/1200	
4.25		Distance between fork-arms	b ₅ (mm)	564	
4.32		Ground clearance, center of wheelbase	m ₂ (mm)	50	
4.33		Load dimension b ₁₂ x l ₆ lengthwise	b ₁₂ x l ₆ (mm)	800 x 1200	
4.34.2		Aisle width for pallets 800mm x 1200mm lengthwise ⁽⁴⁾	Ast (mm)	3135	
4.35		Turning radius	Wa (mm)	1704	
PERFORMANCE		5.1	Travel speed, laden/unladen	km/h	8 / 8
		5.1.1	Travel speed, laden/unladen, backwards	km/h	6.5 / 6.5
	5.2.1	Lift speed, laden/unladen (Forks) ⁽⁵⁾	m/s	0.15 / 0.25	
	5.2.2	Lift speed, laden/unladen (Cab)	m/s	-	
	5.3.1	Lowering speed, laden/unladen (Forks) ⁽⁵⁾	m/s	0.31 / 0.36	
	5.3.2	Lowering speed, laden/unladen (Cab)	m/s	-	
	5.8	Max. gradeability, laden/unladen	%	12.6 / 20	
	5.9	Acceleration time, laden/unladen	s	8.28 / 7.96	
	5.10	Service brake		Electromagnetic	
	ELECTRIC	6.1	Drive motor, S2 60 min rating	kW	3
6.2		Lift motor S3 15% rating	kW	3	
6.3		Battery according to DIN 43531/35/36 A,B,C, no		no	
6.4		Battery voltage/nominal capacity K5	(V)/(Ah)	24 / 620	
6.5		Battery weight ⁽⁶⁾	kg	480	
6.6		Energy consumption according to DIN EN 16796	kWh/h	1,147	
6.6.1		Turnover output according to VDI 2198	t/h	1076	
6.6.2		Turnover efficiency according to VDI 2198	t/kWh	0.58	
8.1		Type of drive unit		AC-Controller	
10.7		Sound pressure level at the driver's seat	dB (A)	< 65	

(1) Truck configured with 3stg FFL h₃=4620mm mast and forks 1200x120x40mm

(2) Accessories mounted on the overhead guard excluded.

(3) Accessories mounted on the front bumper excluded

(4) Transfer aisle widths (lines 4.34.1 & 4.34.2) are based on the VDI standard calculation as shown on illustration. The British Industrial Truck Association recommends the addition of 100 mm to the total clearance (dimension a) for extra operating margin at the rear of the truck

(5) These values may vary of +/- 15%

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

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



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 robotics 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.

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