

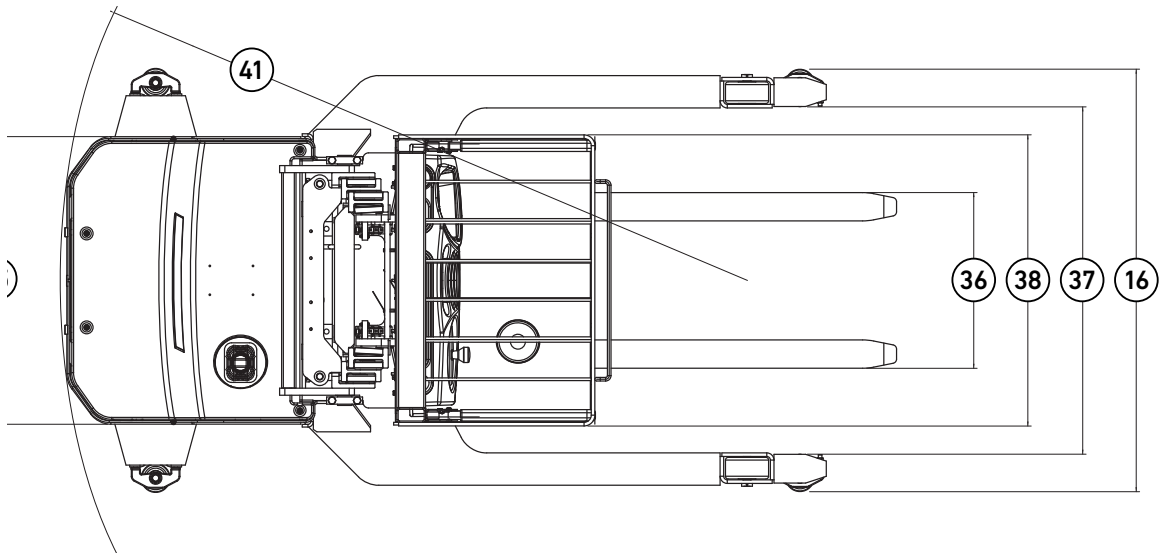
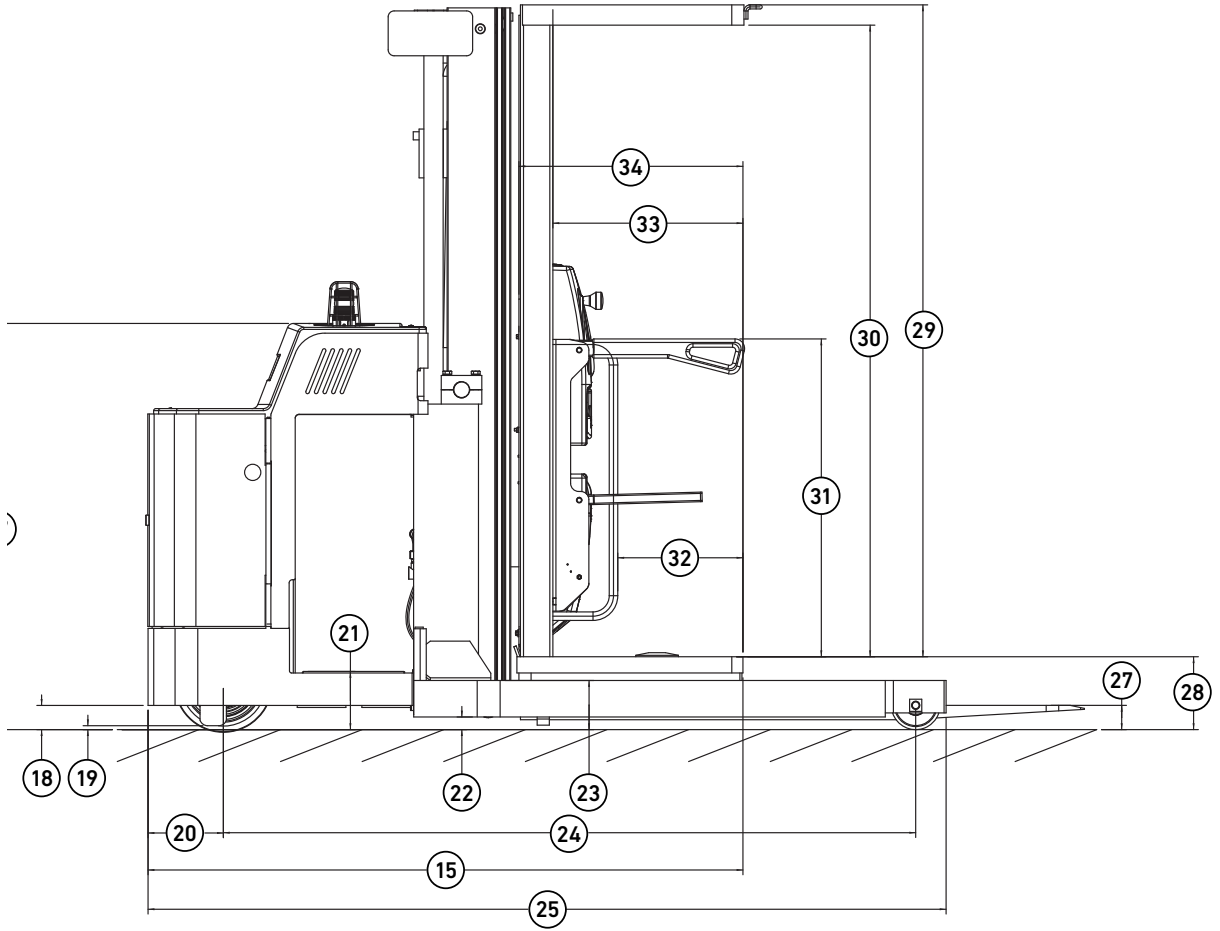


3,000 lbs.

SS030BF

SPEC SHEET

Medium/high level
straddle order picker



Circled truck dimensions correspond to the line numbers in the General Specifications chart. Dimensions are listed in inches (millimeters).

GENERAL SPECIFICATIONS - SS030BF

		GENERAL		Yale			
				SS030BF			
GENERAL	1	Manufacturer		Yale			
	2	Model designation		SS030BF			
	3	Power / voltage		Electric / 24 Volts	Electric / 36 Volts		
	4	Operation type		Stand-up			
	5	Rated capacity	lb. (kg)	3000 (1361)			
	6	Load center	in. (mm)	24 (609)			
	7	Tire type	Front / rear	load / drive	Poly / Poly		
	8	Wheels (X=driven)		front / rear	2 / (1X)		
DIMENSIONS	9	Mast	3-Stage (TOF)	in. (mm)	See mast chart		
	10	Operator clearance height		in. (mm)	77.9 (1978)		
	11	Forks	Width / thickness	in. (mm)	4 / 1.8 (102 / 46)		
	12	Fork spread	Inside to inside	Minimum / maximum	in. (mm)	13 / 20 (330 / 508)	
	13		Outside to outside	Minimum / maximum	in. (mm)	21 / 28 (533 / 710)	
	14	Top of fork	Mast lowered	in. (mm)	3 (76)		
	15	Head length	Length to face of operator deck	3-Stage	in. (mm)	73.3 (1863)	
	16	Base width / width across guide rollers		in. (mm)	See chart		
	17	Hood height		in. (mm)	50.0 (1270)		
	18	Bumper height		in. (mm)	3.0 (76)		
	19	Stabilizer height		in. (mm)	0.48 (12.3)		
	20	Bumper to drive axle		in. (mm)	9.3 (236)		
	21	Height of battery rollers		in. (mm)	7.2 (182)		
	22	Base arm clearance		in. (mm)	1.6 (40)		
	23	Height to top of base arms		in. (mm)	6.1 (154)		
	24	Wheelbase		in. (mm)	85.4 (2168)		
	25	Frame length		in. (mm)	98.4 (2500)		
	26	Head length		in. (mm)	73.3 (1863)		
	27	Lowered fork height		in. (mm)	3.0 (76)		
	28	Floor step height		in. (mm)	9.0 (228)		
	29	Floor to top of overheard guard		in. (mm)	80.4 (2042)		
	30	Floor to underside of overhead guard		in. (mm)	77.9 (1978)		
	31	Handrail height	Fixed / retractable	in. (mm)	39.0 / 39.2 (990 / 995)		
	32	Platform side opening	Fixed rail	in. (mm)	15.4 (392)		
	33	Platform depth	Inside	in. (mm)	23.4 (595)		
	34		Overall	in. (mm)	27.6 (702)		
	35	Frame width		in. (mm)	40.0 (1016)		
	36	Fork spread		in. (mm)	20.9 to 28.0 (530 to 711)		
	37	Open End Clearance (OEC)			40.2 (1022)		
	38	Platform width		in. (mm)	42.0 / 44.0 / 46.0 / 48.0 (1067 / 1118 / 1168 / 1219)		
	39	Overall width	W/o guide rollers	in. (mm)	51.3 / 53.3 / 55.3 / 57.3 (1303 / 1354 / 1404 / 1455)		
	40		With guide rollers	in. (mm)	52.8 / 54.8 / 56.8 / 58.8 (1340 / 1391 / 1442 / 1493)		
	41	Turning radius		in. (mm)	95.6 (2428)		
	42	Height	Standard 3-stage mast lowered	in. (mm)	89 (2261)		
	43	Operator platform size	Width / Depth	in. (mm)	40 / 27.5 (1016 / 698)		
	44	Turning radius		Minimum outside	in. (mm)	95.6 (2428)	
	45	Stacking aisle	Zero clearance	5.5" 3-Stage mast	in. (mm)	122.3 (3106)	
	46	Intersecting aisle, equal aisles 40" W x 48" L pallet		Standard mast	in. (mm)	84.3 (2140)	
	PERF.	22	Stability	Comply with ANSI?	YES		
		23	Travel speed*	NL / RL	mph (km/h)	6.5 / 6.5 (10.5 / 10.5)	
		24	Lift speed	NL / RL	ft/min	See performance chart	
		25	Lower speed	NL / RL	ft/min	See performance chart	
	WEIGHT	26	Truck weight	Without battery	NL	lb. (kg)	5346 (2425)
		27	Axle loading - drive	Static with max. wt. battery	NL / RL	lb. (kg)	4934 / 3933 (2238 / 1784)
		28	Axle loading - load wheels	Static with max. wt. battery	NL / RL	lb. (kg)	2310 / 6314 (1048 / 2864)
	WHEELS & TIRES	29	Tire size	Drive	in. (mm)	13.5 / 5.5 (343 / 140)	
30		Load wheel		in. (mm)	6.0 / 3.0 (152 / 76)		
31		Wheelbase		in. (mm)	85.4 (2168)		
32		Ground clearance	No load, lowest point	in. (mm)	0.6 (14)		
33			No load, center wheelbase	in. (mm)	1.6 (40)		
ELECTRIC	34	Brakes	Method of control	Service / parking			
	35		Method of operation	Service / parking			
	36	Battery	Type	Lead acid			
	37		Volts	24	36		
	38		Minimum weight	lb. (kg)	1500 (680)		
	39	Traction motor control method		AC transistor			
	40	Pump motor control method		Contactor			
41	Number of travel speeds		Infinitely variable				

* Speeds are the same in either direction, with or without rated load. Steer angle <10 degrees.

Right angle stack and equal intersecting aisle dimensions provided with a 40" wide x 48" long pallet load, allowing zero clearance.

BATTERY SPECIFICATIONS - SS030BF

Number of cells	Cell size	Plates per cell	Capacity 6 hr rate	Battery dimensions			Weight
				"X" (Length)	"Y" (Width)	"Z" (Height)	
			amp hr (kwh)	in. (mm)	in. (mm)	in. (mm)	lb. (kg)
12	125	17	1000 (23.4)	38.1 (969)	13.5 (342)	30.6 (776)	1818 (825)
12	140	17	1120 (26.2)	38.1 (969)	13.5 (342)	30.6 (776)	1851 (840)
12	155	17	1240 (29.0)	38.1 (969)	13.5 (342)	30.6 (776)	1860 (844)
18	125	11	625 (21.9)	38.1 (967)	13.3 (339)	30.6 (776)	1800 (816)
18	140	11	700 (24.6)	38.1 (967)	13.3 (339)	30.6 (776)	1849 (839)
18	155	11	775 (27.2)	38.1 (967)	13.3 (339)	30.6 (776)	1859 (843)

Battery compartment length is measured from front to rear. Battery compartment width is measured across truck.

SB350 amp "red" connector, cable position B, cable length 16" (405mm). Maximum cable gauge 1/0 AWG

Battery with lid will NOT fit in battery compartment. Battery weight range 1500 - 2000 lbs.

Amp hour capacity min / max - 24 volt truck 960 / 1240. 36 volt truck 600 / 775.

MAST PERFORMANCE - SS030BF

	Lifting speed		Lowering speed	
	Empty	Rated load [†]	Empty	Rated load [†]
24V DC	67 ft/min (0.340 m/s)	45 ft/min (0.229 m/s)	80 ft/min (0.406 m/s)	80 ft/min (0.406 m/s)
36V DC	78 ft/min (0.396 m/s)	63 ft/min (0.320 m/s)	80 ft/min (0.406 m/s)	80 ft/min (0.406 m/s)
36V AC	85 ft/min (0.432 m/s)	60 ft/min (0.305 m/s)	80 ft/min (0.406 m/s)	80 ft/min (0.406 m/s)

[†] Rated load figures are based on 3000 lb. (1361 kg) load and a 24" load center.

NOTE: Performance specifications are for truck with standard equipment.

Performance specifications are affected by the condition of the vehicle and how it is equipped as well as the nature and condition of the operating area. If these specifications are critical, the proposed application should be discussed with your dealer.

MAST DIMENSIONS - SS030BF

	Maximum fork height (TOF)	Overall lowered height	Overall extended height
	in. (mm)	in. (mm)	in. (mm)
3-Stage (5.5")	195 (4953)	89 (2260)	282 (7162)
	213 (5410)	95 (2415)	300 (7620)
	240 (6096)	105 (2665)	327 (8306)
3-Stage (6.9")	270 (6858)	119 (3023)	357 (9068)
	300 (7620)	131 (3325)	387 (9830)
	330 (8382)	143 (3632)	417 (10592)
	348 (8839)	151 (3835)	435 (11050)
	360 (9144)	155 (3937)	447 (11354)

Lift heights over 360" (9144 mm) maximum fork height may require reduced capacity depending upon OEC dimensions.

TRAVEL SPEEDS (24V & 36V) - SS030BF

Fork height	Steer angle <10°	Steer angle >10°
in. (mm)	mph (kph)	mph (kph)
0 (0)	6.5 (10.5)	6.5 (10.5)
24 (610)	6.5 (10.5)	3.0 (4.8)
60 (1524)	6.0 (9.7)	2.7 (4.4)
116 (2946)	4.7 (7.5)	2.3 (3.6)
150 (3810)	3.9 (6.2)	2.0 (3.2)
195 (4953)	2.8 (4.5)	1.6 (2.6)
250 (6350)	1.5 (2.4)	1.2 (1.9)
272 (6909)	1.0 (1.6)	1.0 (1.6)
>272 (6909)	No travel*	No travel*

NOTE: Speed limits are for trucks at operating temperature with fully charged battery. Speeds are the same in either direction, with or without rated load.

For lift heights between 24.0" (610 mm) and 212.0" (5385 mm), traction speed is reduced when steering angle exceeds 10°.

* Travel above 212.0" (5385 mm) fork height requires a high level traction option. Capacity reduction required.

Contact your local dealer for additional information.

FEATURES LIST - SS030BF

PERFORMANCE	STD	OPT	OPERATION CONTINUED	STD	OPT
24 Volt AC electrical system	●		User passwords and operator logs with history	●	
AC transistor control	●		Truck inspection check list	●	
AC traction motor	●		Truck speed indication in MPH or KPH	●	
DC controlled hydraulics	●		Slack chain indication	●	
On demand electric power steering	●		Battery power disconnect button	●	
AC steer motor	●		Operator convenience station with storage areas, trash bin, beverage & clipboard holders	●	
Auto Deceleration System (ADS) with regenerative braking	●		Full body harness and operator tether	●	
Ergonomically advanced multi-function control handle with rotational adjustment and single speed lift/lower	●		Battery compartment corrosive resistant steel rollers	●	
4 Operator selectable, programmable performance modes	●		Retractable platform side gates with cushioning and lift / traction cutout interlock	●	
Smart-glide continuous height sensing	●		Electric horn	●	
36 Volt AC electrical system		●	Static discharge strap	●	
AC transistorized hydraulic control		●	Battery stand	●	
6.25Khz Wire guidance		●	Battery puller	●	
5.25Khz Wire guidance		●	44" Inside dimension (open end clearance)		●
Side guide rollers (53" / 55" / 57" / 59" OAW)		●	53.5" outside dimension (base width)		●
High level traction above 272" with restricted steer		●	46" Inside dimension (open end clearance)		●
DRIVE	STD	OPT	55.5" outside dimension (base width)		●
13.5 x 5.5 Superior XL-AC (901 compound)	●		48" Inside dimension (open end clearance)		●
6.0" x 3.0" Single load wheel - high load compound	●		57.5" outside dimension (base width)		●
Steer wheel angle graphic indication	●		27.5" deep x 48" wide		●
8" x 2.5" Dual polyurethane caster wheels	●		27.5" deep x 54" wide		●
3.0" x 2.75" Polyurethane guide rollers	●		27.5" deep x 60" wide		●
13.5 x 5.5 Polyurethane (601 compound)		●	Safety glass shield		●
13.5 x 5.35 Polyurethane - X grooved (601 compound)		●	Fixed hoop side rails		●
13 x 5.5 Molded NDIIthane (non marking)		●	Stability casters		●
LIFT	STD	OPT	Line driver		●
195" MFH / 89" OALH 3-stage anti-rattle mast	●		Keyless - toggle switch		●
Lift limit with or without push button override		●	Retractable operator tether with full body harness or medium body belt		●
Lowering limit with push button override		●	Audible alarms self adjusting 82-102 db(A)		●
HANDLING	STD	OPT	- Back-up alarm - reverse direction activation		●
42.0" x 1.75" x 4.0" Standard taper pin type forks	●		- Motion alarm - forward and reverse direction activation		●
Heavy duty pallet clamp - automatically engaged / foot released	●		- Motion alarm - continuous operation with key-on		●
Heavy duty automatic pallet clamp with opening range from 1/2" to 6"		●	DC to DC converter - 25 amps / 300 watts @ 12 volts		●
36.0" x 1.75" x 4.0" Standard taper pin type forks		●	Smart steer		●
48.0" x 1.75" x 4.0" Standard taper pin type forks		●	Battery connector SB-350 gray		●
36.0" x 1.75" x 4.0" Standard taper pin type forks		●	APPEARANCE	STD	OPT
48.0" x 1.75" x 4.0" Standard taper pin type forks		●	2-Part poly YALE gold paint	●	
54" Long x 1.75" Thick x 4" Wide Standard taper pin type forks		●	CONSTRUCTION	STD	OPT
60" Long x 1.75" Thick x 4" Wide Standard taper pin type forks		●	Standard application / environmental construction	●	
72" Long x 1.75" Thick x 4" Wide Standard taper pin type forks		●	UL classification type "E"	●	
78" Long x 1.75" Thick x 4" Wide Standard taper pin type forks		●	UL classification type "EE"		●
ERGONOMICS	STD	OPT	SubZERO freezer package - operating temperatures range: -20° to +120° F		●
Shock dampening operator's compartment floor mat	●		VISIBILITY	STD	OPT
Non-adjustable verticle console	●		Cantilever style overhead guard	●	
6" Vertical adjustable operator console		●	Wire mesh screen operator guard	●	
2-Speed upper body fan - console mounted		●	Amber LED strobe - continuous operation with key-on	●	
OPERATION	STD	OPT	- Dome light and 2-speed fan package mounted on top of overhead guard		●
Battery connector SB-350 red	●		- Dome light, 2-speed fan and halogen glass lens spot light package		●
40.0" Wide x 27.5" Deep operator platform	●		- Dome light, 2-speed fan and LED plastic lens spot light package		●
39.0" L x 14.6" W x 31.5" H Battery compartment	●		- 2 LED plastic lens spot lights mounted under overhead guard		●
175 Amp red, position B - 16" lead length battery connector	●		ENERGY SYSTEM	STD	OPT
42" Inside dimension (open end clearance)	●		Lead acid	●	
51.5" outside dimension (base width) outriggers	●		SUPPLEMENTAL	STD	OPT
Key switch start	●		Operating manual and labels - English	●	
Multi-turn steering	●		Parts manual - printed or CD		●
Electric park brake - automatically engaged / foot released	●				
Single hydraulic pump and motor	●				
Controller Area Network (CANbus) communications	●				
Graphic LCD multi-function smart display with back lighting	●				
Hour meters; truck, traction and hoist pump	●				
Bar graphic battery discharge indicator	●				
Low battery lift interrupt	●				
Performance mode selection and indication	●				
LED status indicators with symbols	●				



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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Beverage

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Food distribution

Food processing

Furniture & furnishings

Government

Health & pharma


Home centers

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Yale Lift Truck Technologies | Pacific
1/23 Rowood Road
Prospect NSW 2148

Yale Lift Truck Technologies | Asia
16 Tuas Avenue 20
Singapore 638827

yale.com

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