

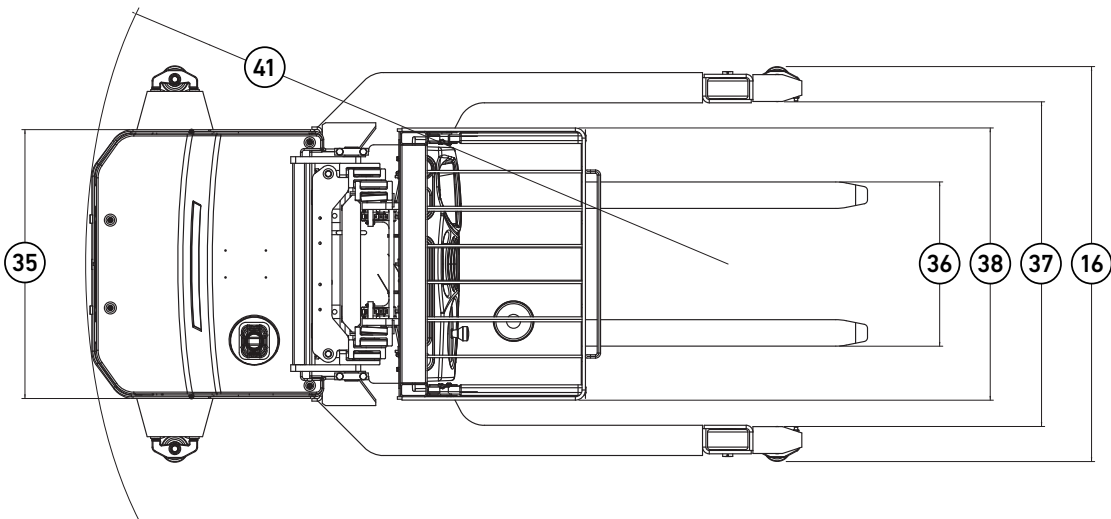
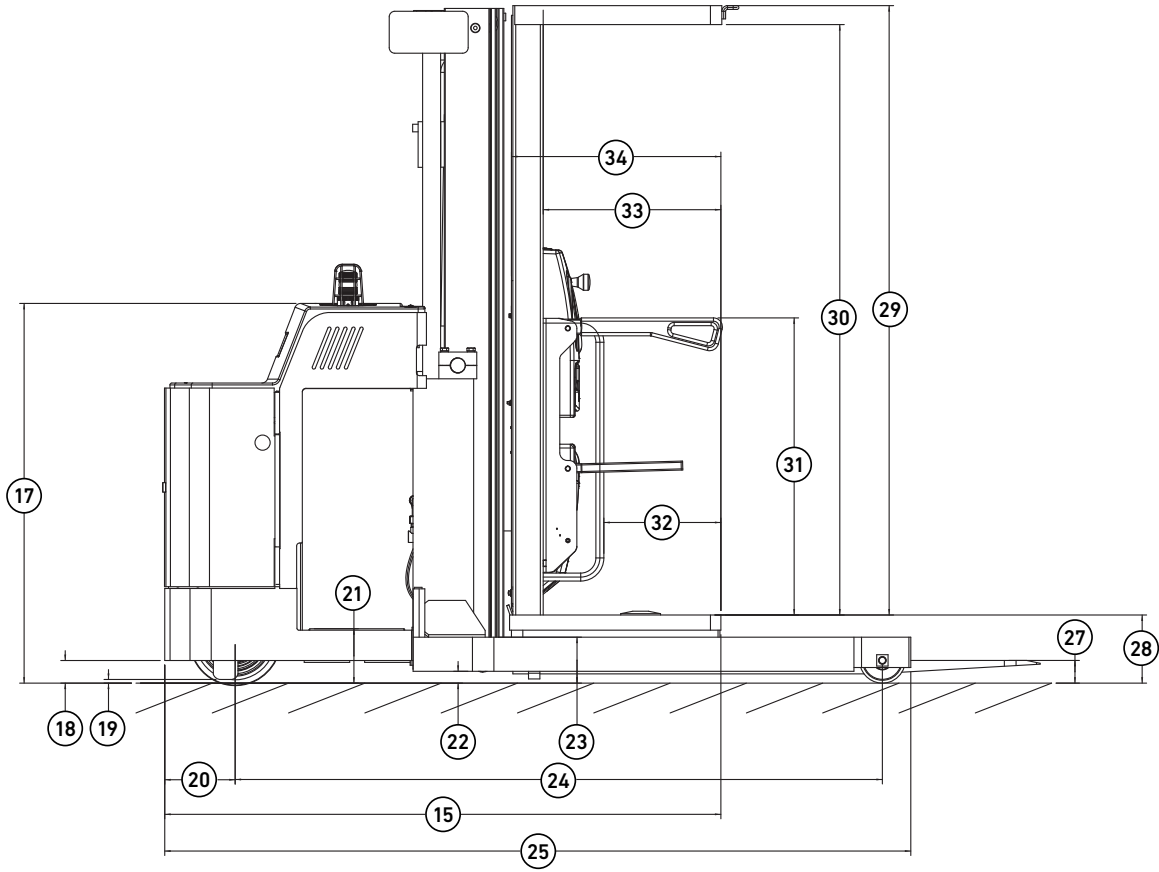


SS 030BF

SPEC SHEET

Medium/high level
straddle order picker

3,000 lbs.



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

GENERAL SPECIFICATIONS - 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)		
	7	Tire type	Front / rear		load / drive		
	8	Wheels (X=driven)			front / rear		
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		in. (mm)	13 / 20 (330 / 508)	
	13		Outside to outside		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 overhead 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?		
		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	Spring applied / electric released		
	37			Volts	Lead acid Thin Plate Pure Lead** Lithium-ion**		
	38			Minimum weight	lb. (kg)	24	36
	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.

** Optional with Yale Power Key

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	●	
6.25Kh Wire guidance		●	Battery puller	●	
5.25Kh 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 imension (open end clearance)		●
DRIVE	STD	OPT	55.5" outside dimension (base width)		●
13.5 x 5.5 Superior XL-AC (901 compound)	●		48" Inside imension (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		●	Yale Reliant™		●
48.0" x 1.75" x 4.0" Standard taper pin type forks		●	APPEARANCE	STD	OPT
54" Long x 1.75" Thick x 4" Wide Standard taper pin type forks		●	2-Part poly YALE gold paint	●	
60" Long x 1.75" Thick x 4" Wide Standard taper pin type forks		●	CONSTRUCTION	STD	OPT
72" Long x 1.75" Thick x 4" Wide Standard taper pin type forks		●	Standard application / environmental construction	●	
78" Long x 1.75" Thick x 4" Wide Standard taper pin type forks		●	UL classification type "E"	●	
ERGONOMICS	STD	OPT	UL classification type "EE"		●
Shock dampening operator's compartment floor mat	●		SubZERO freezer package - operating temperatures range: -20° to +120° F		●
Non-adjustable verticle console	●		VISIBILITY	STD	OPT
6" Vertical adjustable operator console		●	Cantilever style overhead guard	●	
2-Speed upper body fan - console mounted		●	Wire mesh screen operator guard	●	
OPERATION	STD	OPT	Amber LED strobe - continuous operation with key-on	●	
Battery connector SB-350 red	●		– Dome light and 2-speed fan package mounted on top of overhead guard		●
40.0" Wide x 27.5" Deep operator platform	●		– Dome light, 2-speed fan and halogen glass lens spot light package		●
39.0" L x 14.6" W x 31.5" H Battery compartment	●		– Dome light, 2-speed fan and LED plastic lens spot light package		●
175 Amp red, position B - 16" lead length battery connector	●		– 2 LED plastic lens spot lights mounted under overhead guard		●
42" Inside dimension (open end clearance)	●		ENERGY SYSTEM	STD	OPT
51.5" outside dimension (base width) outriggers			Lead acid	●	
Key switch start	●		Yale Power Key		●
Multi-turn steering	●		SUPPLEMENTAL	STD	OPT
Electric park brake - automatically engaged / foot released	●		Operating manual and labels – English	●	
Single hydraulic pump and motor	●		12 Month / unlimited hours full truck warranty	●	
Controller Area Network (CANbus) communications	●		3 Years/ 6,000 hour powertrain warranty	●	
Graphic LCD multi-function smart display with back lighting	●		Lifetime frame warranty	●	
Hour meters; truck, traction and hoist pump	●		Parts manual - printed or CD		●
Bar graphic battery discharge indicator	●		5 Year 10,000 hour part A comprehensive parts and labor warranty		●
Low battery lift interrupt	●		5 Year 10,000 hour part B powertrain parts and labor no deduct warranty		●
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.

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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CERTIFICATION: Yale lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Classified by Underwriters' Laboratories, Inc.