



# OS030BF

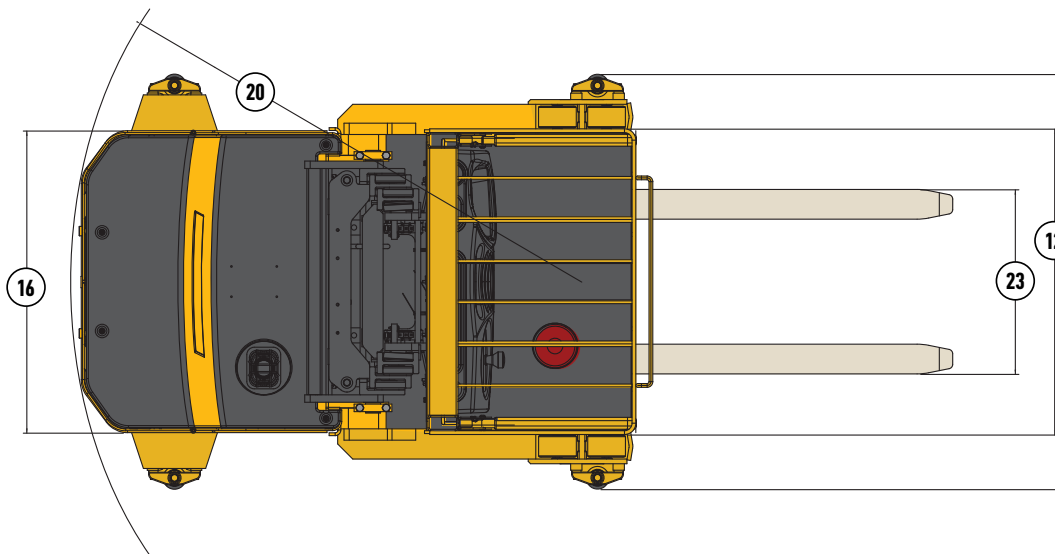
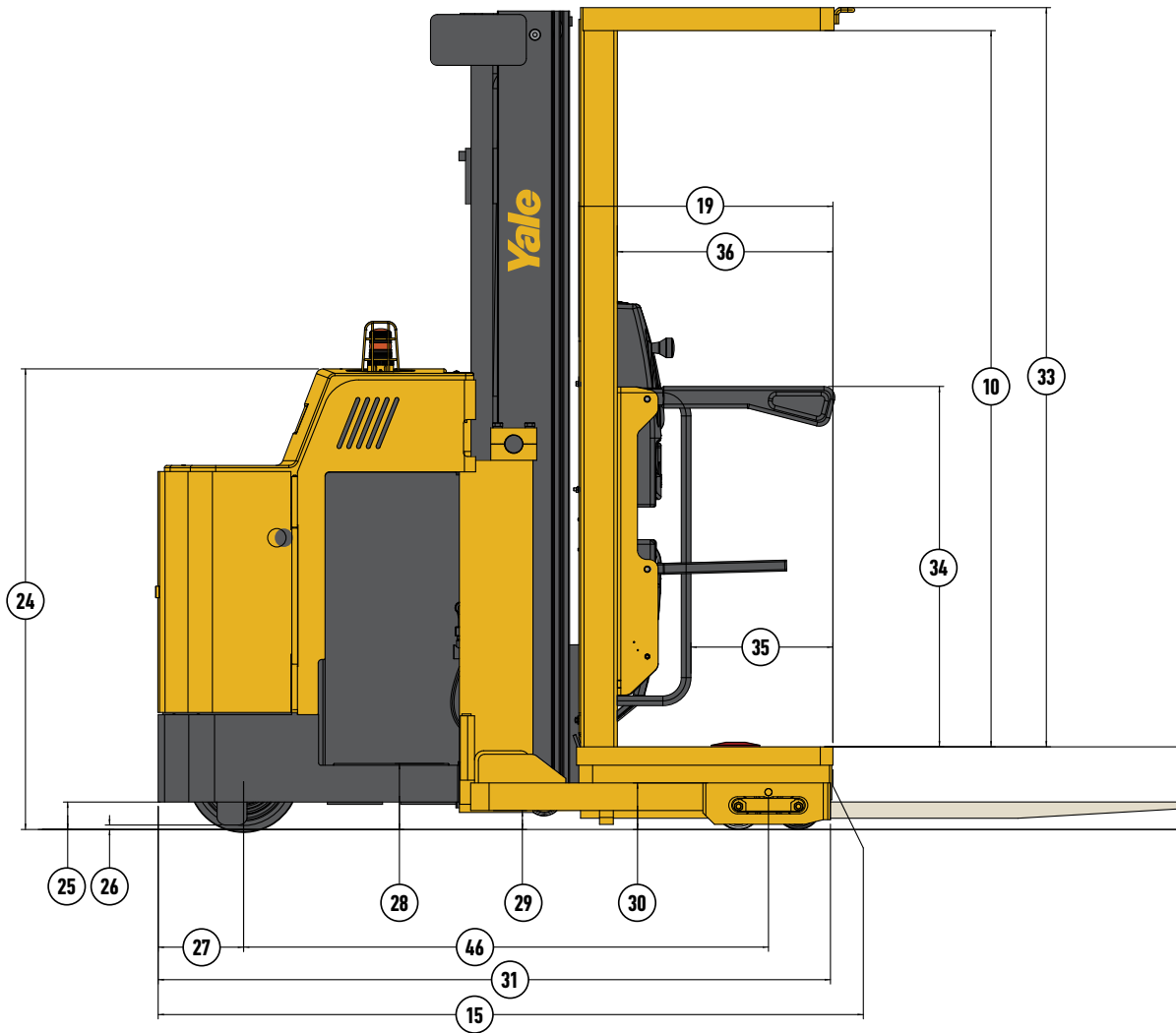
SPEC SHEET

3,000 lbs.

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Medium/high level  
premium order picker



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

**GENERAL SPECIFICATIONS - OS030BF**

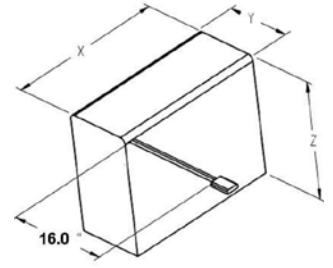
GENERAL	1	Manufacturer			Yale			
	2	Model designation			OS030BF			
	3	Power / voltage			Electric / 24 volts	Electric / 36 volts		
	4	Operation type			Stand-up			
	5	Rated capacity	lb. (kg)		3000 (1361)			
	6	Load center	in. (mm)		24 (609)			
	7	Tire type	Front / rear	load / drive	Poly / poly			
	8	Wheels (X=driven)	front / rear		4 / (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	Min / max	in. (mm)		13 / 20 (330 / 508)	
	13		Outside to outside	Min / max	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	Frame width			in. (mm)		40.0 (1016)	
	17	Overall width	Base width 41" / width across guide rollers		in. (mm)		40.7 / 48.3 (1035 / 1227)	
	18		Base width 48" / width across guide rollers		in. (mm)		48.3 / 55 (1227 / 1397)	
	19	Height	Standard 3 stage mast lowered			in. (mm)		89 (2261)
	20	Operator platform size		Width / depth	in. (mm)		40 / 27.5 (1016 / 698)	
	21	Turning radius		Minimum outside	in. (mm)		67.7 (1719)	
	22	Stacking aisle	Zero clearance		5.5" 3-Stage mast	in. (mm)		122.7 (3116)
	23	Intersecting aisle, equal aisles 40" W x 48" L pallet			Standard mast	in. (mm)		70.1 (1780)
	24	Fork spread			in. (mm)		20.9 to 28.0 (530 to 711)	
	25	Hood height			in. (mm)		50.0 (1270)	
	26	Bumper height			in. (mm)		3.0 (76)	
	27	Stabilizer height			in. (mm)		0.5 (12.3)	
	28	Bumper to drive axle			in. (mm)		9.3 (236)	
	29	Height of battery rollers			in. (mm)		7.2 (182)	
	30	Base arm clearance			in. (mm)		2.1 (52)	
	31	Height to top of base arms			in. (mm)		5.1 (129)	
	32	Frame length			in. (mm)		73.1 (1856)	
	33	Floor step height			in. (mm)		9.0 (228)	
	34	Floor to top of overhead guard			in. (mm)		80.4 (2042)	
	35	Handrail height	Fixed / retractable		in. (mm)		39.0 / 39.2 (990 / 995)	
	36	Platform side opening	Fixed rail		in. (mm)		23.4 (595)	
	37	Platform depth	Overall		in. (mm)		27.6 (702)	
	PERF.	38	Stability			Comply with ANSI?		YES
		39	Travel speed*	NL / RL	mph (km/h)	6.5 / 6.5 (10.5 / 10.5)		
		40	Lift speed	NL / RL	ft/min	See performance chart		
		41	Lower speed	NL / RL	ft/min	See performance chart		
	WT.	42	Truck weight	Without battery	NL	lb. (kg)		3845 (1744)
		43	Axle loading - drive	Static with max. wt. Battery	NL / RL	lb. (kg)		3338 / 2321 (1514 / 1053)
		44	Axle loading - load wheels	Static with max. wt. Battery	NL / RL	lb. (kg)		2407 / 6422 (1092 / 2913)
WHEELS & TIRES	45	Tire size	Drive	in. (mm)		13.5 / 5.5 (343 / 140)		
	46		Load wheel	in. (mm)		5.0 / 3.0 (127 / 76)		
	47	Wheelbase			in. (mm)		57.1 (1450)	
	48	Ground clearance	No load, lowest point		in. (mm)		0.6 (14)	
49	No load, center wheelbase		in. (mm)		1.9 (47)			
ELECTRIC	50	Brakes	Method of control	Service / parking		Foot		
	51		Method of operation	Service / parking		Spring applied / electric released		
	52	Battery	Type			Lead acid		
	53		Volts			24	36	
	54		Minimum weight			lb. (kg)		1600 (726)
	55	Traction motor control method			AC Transistor			
56	Pump motor control method			Contactor				
57	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 - OS030BF

Number of cells	Cell size	Plates per cell	Capacity 6 hr rate amp hr (kwh)	Battery dimensions			Weight lb. (kg)
				"X" (Length)	"Y" (Width)	"Z" (Height)	
				in. (mm)			
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 1600 - 1900 lbs. Amp hour capacity min / max - 24 volt truck 960 / 1240. 36 volt truck 600 / 775.

## TRAVEL SPEEDS (24V & 36V) - OS030BF

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)	2.6 (4.2)
116 (2946)	4.2 (6.7)	2.0 (3.2)
150 (3810)	3.0 (4.9)	1.6 (2.6)
195 (4953)	1.6 (2.6)	1.2 (1.9)
212 (5385)	1.0 (1.6)	1.0 (1.6)
>212 (5385)	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.

## MAST PERFORMANCE - OS030BF

### LIFTING SPEED

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

### LOWERING SPEED

	Empty	Rated load †
24V DC	80 ft/min (0.406 m/s)	80 ft/min (0.406 m/s)
36V DC	80 ft/min (0.406 m/s)	80 ft/min (0.406 m/s)
36V AC	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 - OS030BF

	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")	276" (7010)	119" (3023)	363" (9220)
	300" (7620)	131" (3325)	387" (9830)

Lift heights over 300" (7620 mm) maximum fork height may require reduced capacity depending upon OEC dimensions.

## FEATURES LIST - OS030BF

PERFORMANCE	STD	OPT	OPERATION CONTINUED	STD	OPT
24 Volt AC electrical system	●		LED status indicators with symbols	●	
AC transistor control	●		User passwords and operator logs with history	●	
AC traction motor	●		Truck inspection check list	●	
DC controlled hydraulics	●		Truck speed indication in MPH or KPH	●	
On demand electric power steering	●		Slack chain indication	●	
AC steer motor	●		Battery power disconnect button	●	
Auto Deceleration System (ADS ) with regenerative braking	●		Operator convenience station with storage areas, trash bin, beverage & clipboard holders	●	
Ergonomically advanced multi-function control handle with rotational adjustment and single speed lift/lower	●		Full body harness and operator tether	●	
4 Operator selectable, programmable performance modes	●		Battery compartment corrosive resistant steel rollers	●	
Smart-glide continuous height sensing	●		Retractable platform side gates with cushioning and lift / traction cutout interlock	●	
36 Volt AC electrical system		●	Electric horn	●	
AC transistorized hydraulic control		●	Static discharge strap	●	
6.25KHz Wire guidance		●	Battery stand	●	
5.25KHz Wire guidance		●	Battery puller	●	
Side guide rollers (48.25" and 55" OAW)		●	38" Inside dimension (open end clearance)		●
High level traction above 212" with restricted steer		●	48" outside dimension (base width)		●
Side guide rollers		●	27.5" Deep x 48" Wide		●
<b>DRIVE</b>	<b>STD</b>	<b>OPT</b>	27.5" Deep x 54" Wide		●
13.5 x 5.5 Superior XL-AC (901 compound)	●		27.5" Deep x 60" Wide		●
6.0" x 3.0" Single load wheel - high load compound	●		Safety glass shield		●
Steer wheel angle graphic indication	●		Fixed hoop side rails		●
8" x 2.5" Dual polyurethane caster wheels	●		Stability casters		●
3.0" x 2.75" Polyurethane guide rollers	●		Line driver		●
13.5 X 5.5 Polyurethane (601 compound)		●	Keyless - toggle switch		●
13.5 X 5.35 Polyurethane – X grooved (601 compound)		●	Retractable operator tether with full body harness or medium body belt		●
13 x 5.5 Molded NDIthane (non marking)		●	Audible alarms self adjusting 82-102 db(A)		●
<b>LIFT</b>	<b>STD</b>	<b>OPT</b>	– Back-up alarm - reverse direction activation		●
195" MFH / 89" OALH 3-stage anti-rattle mast	●		– Motion alarm - forward and reverse direction activation		●
Lift limit with or without push button override		●	– Motion alarm - continuous operation with key-on		●
Lowering limit with push button override		●	DC to DC converter - 25 amps / 300 watts @ 12 volts		●
<b>HANDLING</b>	<b>STD</b>	<b>OPT</b>	Smart steer		●
42.0" x 1.75" x 4.0" Standard taper pin type forks	●		Battery connector SB-350 gray		●
Heavy duty pallet clamp - automatically engaged / foot released	●		<b>APPEARANCE</b>	<b>STD</b>	<b>OPT</b>
Heavy duty automatic pallet clamp with opening range from 1/2" to 6"		●	2-Part poly YALE gold paint	●	
36.0" x 1.75" x 4.0" Standard taper pin type forks	●		<b>CONSTRUCTION</b>	<b>STD</b>	<b>OPT</b>
48.0" x 1.75" x 4.0" Standard taper pin type forks	●		Standard application / environmental construction	●	
54" Long x 1.75" Thick x 4" Wide standard taper pin type forks	●		UL classification type "E"	●	
60" Long x 1.75" Thick x 4" Wide standard taper pin type forks	●		UL classification type "EE"		●
72" Long x 1.75" Thick x 4" Wide standard taper pin type forks	●		SubZERO freezer package - operating temperatures range: -20° to +120° F		●
78" Long x 2" Thick x 5" Wide standard taper pin type forks	●		<b>VISIBILITY</b>	<b>STD</b>	<b>OPT</b>
84" Long x 2" Thick x 5" Wide standard taper pin type forks	●		Cantilever style overhead guard	●	
<b>ERGONOMICS</b>	<b>STD</b>	<b>OPT</b>	Wire mesh screen operator guard	●	
Shock dampening operator's compartment floor mat	●		Amber LED strobe - continuous operation with key-on	●	
Non-adjustable verticle console	●		– Dome light and 2-speed fan package mounted on top of overhead guard		●
6" Vertical adjustable operator console		●	– Dome light, 2-speed fan and halogen glass lens spot light package		●
2 Speed upper body fan - console mounted		●	– Dome light, 2-speed fan and LED plastic lens spot light package		●
<b>OPERATION</b>	<b>STD</b>	<b>OPT</b>	– 2 LED plastic lens spot lights mounted under overhead guard		●
Battery connector SB-350 red	●		<b>ENERGY SYSTEM</b>	<b>STD</b>	<b>OPT</b>
40.0" Wide x 27.5" Deep operator platform	●		Lead acid	●	
39.0" L x 14.6" W x 31.5" H battery compartment	●		<b>SUPPLEMENTAL</b>	<b>STD</b>	<b>OPT</b>
175 Amp red, position B - 16" lead length battery connector	●		Operating manual and labels – English	●	
32" Inside dimension (open end clearance)	●		Parts manual - printed or CD		●
41" outside dimension (base width) outriggers	●				
Key switch start	●				
Multi-turn steering	●				
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	●				



# 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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## 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

Retail & e-commerce

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