

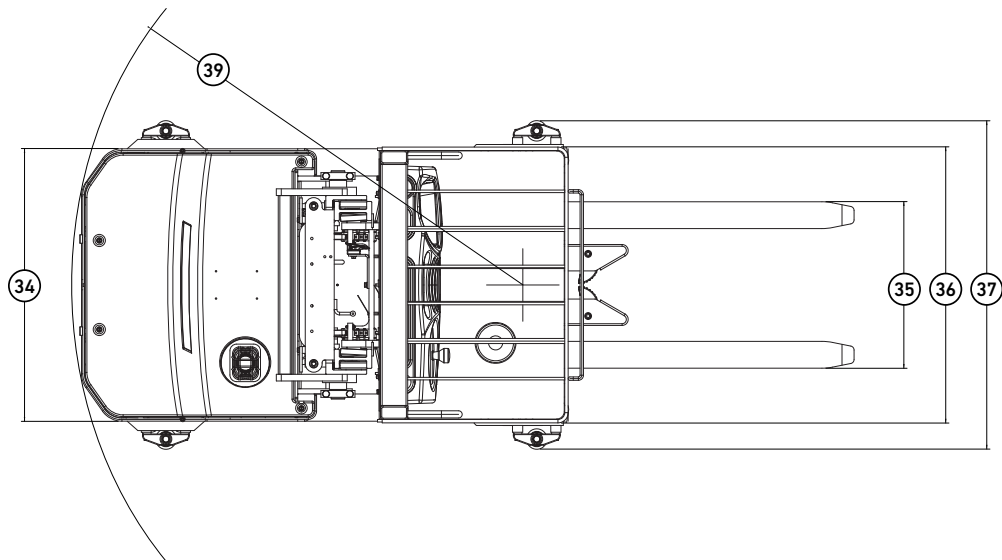
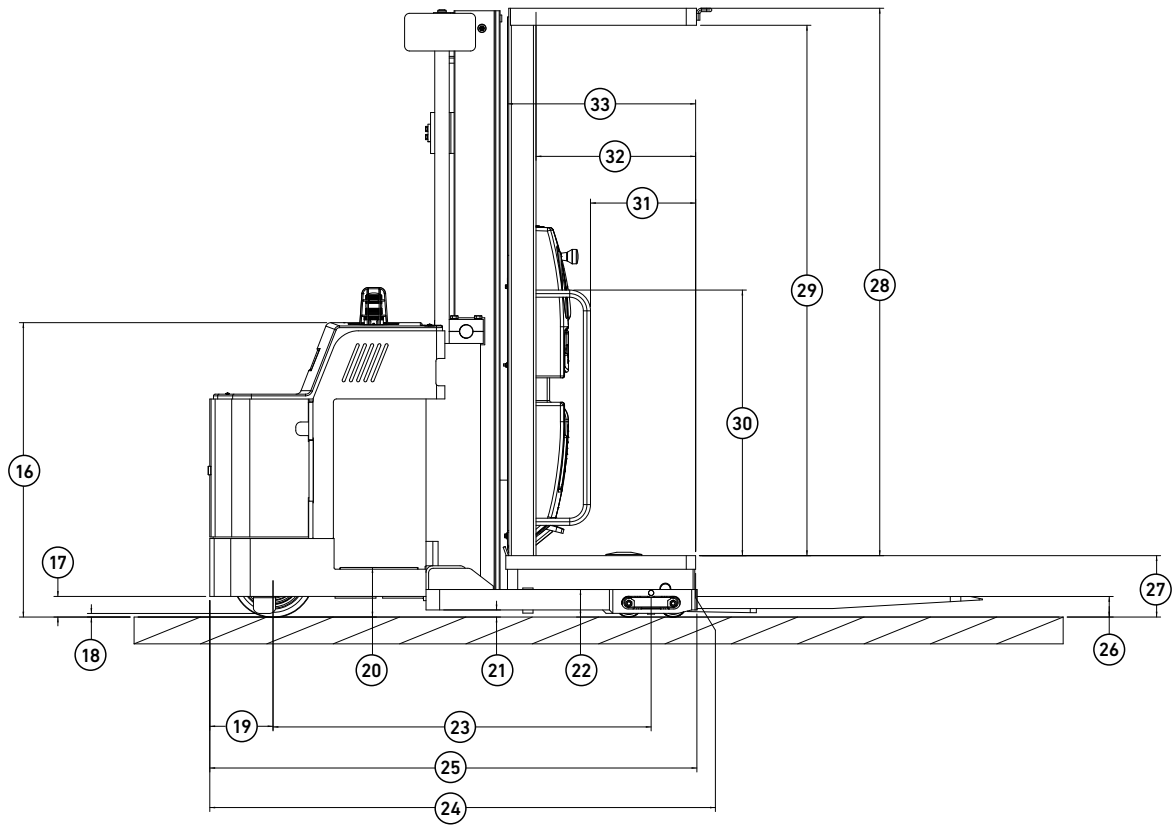


OS 030EF

SPEC SHEET

Medium/high level
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 - OS030EF

GENERAL	1	Manufacturer		Yale		
	2	Model designation		OS030EF		
	3	Power / voltage		Electric / 24 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		
	8	Wheels (X=driven)		front / rear		
DIMENSIONS	9	Mast	2-stage / 3-stage (TOF)	in. (mm)	See mast chart	
	10	Operator clearance height		in. (mm)	77.9 (1978)	
	11	Forks	Width / thickness	in. (mm)	4 / 1.75 (102 / 45)	
	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	2-Stage / 3-stage	in. (mm)	71.3 / 72.3 (1812 / 1837)
	16	Hood height			in. (mm)	43.1 (1096)
	17	Bumper height			in. (mm)	3.0 (76)
	18	Stabilizer height			in. (mm)	0.5 (12.4)
	19	Bumper to drive axle			in. (mm)	9.3 (236)
	20	Height of battery rollers			in. (mm)	7.2 (184)
	21	Base arm clearance			in. (mm)	1.0 (26)
	22	Height to top of base arms			in. (mm)	4.0 (102)
	23	Wheelbase			in. (mm)	55.5 (1410)
	24	Frame length			in. (mm)	71.52 (1817)
	25	Head length			in. (mm)	71.3 (1812) / 72.3 (1837)
	26	Lowered fork height			in. (mm)	3.0 (76)
	27	Floor step height			in. (mm)	9.0 (228)
	28	Floor to top of overhead guard			in. (mm)	80.4 (2042)
	29	Floor to underside of overhead guard			in. (mm)	77.9 (1978)
	30	Handrail height (fixed / retractable)			in. (mm)	39.0 / 39.2 (990 / 995)
	31	Platform side opening	Fixed rail		in. (mm)	15.4 (392)
	32	Platform depth	Inside		in. (mm)	23.4 (595)
	33		Overall		in. (mm)	27.6 (702)
	34	Frame width			in. (mm)	40 (1016)
	35	Fork width			in. (mm)	20.9 to 28.0 (530 to 711)
	36	Platform width			in. (mm)	40.2 (1022)
	37	Overall width	W/o guide rollers		in. (mm)	41.3 (1048) / 48.0 (1219)
	38		With guide rollers		in. (mm)	48.3 (1226) / 55.0 (1397)
	39	Turning radius			in. (mm)	66.2 (1681)
	40	Base width 41" / width across guide rollers			in. (mm)	41.3 / 48.3 (1048 / 1226)
	41	Base width 48" / width across guide rollers			in. (mm)	48 / 55 (1219 / 1397)
	42	Height		Standard 2 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)	66.2 (1681)	
45	Stacking aisle	Zero clearance	2-Stage / 3-stage	in. (mm)	120.6 / 121.7 (3063 / 3091)	
46	Intersecting aisle	Equal aisles 40" x 48" pallet	W/o guide rollers	in. (mm)	69.92 (1780)	
PERF.	47	Stability		Comply with ANSI?	YES	
	48	Travel speed *		NL / RL	mph (km/h)	6 / 6 (9.6 / 9.6)
	49	Lift speed		NL / RL	ft/min	See performance chart
	50	Lower speed		NL / RL	ft/min	See performance chart
WT.	51	Truck Weight	Without battery	NL	lb. (kg)	4266 (1935)
	52	Axle loading - drive	Static with max. wt. battery	NL / RL	lb. (kg)	3283 / 2282 (1489 / 1035)
	53	Axle loading - load wheels	Static with max. wt. battery	NL / RL	lb. (kg)	2183 / 6184 (990 / 2805)
WHEELS & TIRES	54	Tire size	Drive	in. (mm)	12 / 5.5 (305 / 140)	
	55		Load wheel	in. (mm)	4.0 / 3.0 (102 / 76)	
	56	Wheelbase		in. (mm)	55.5 (1410)	
	57	Ground clearance	No load, lowest point	in. (mm)	0.5 (14)	
58	No load, center wheelbase		in. (mm)	1 (25.4)		
ELECTRIC	59	Brakes	Method of control	Service / parking	Foot	
	60		Method of operation	Service / parking	Spring applied / electric released	
	61	Battery	Type		Lead acid Thin Plate Pure Lead** Lithium-ion**	
	62		Volts		24	
	63		Minimum weight	lb. (kg)	900 (408)	
	64	Traction motor control method				AC transistor
	65	Pump motor control method				Contact
	66	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 - OS030EF

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	85	15	595 (13.9)	35.2 (895)	12.9 (327)	23.2 (589)	1130 (513)
12	100	15	700 (16.4)	35.2 (893)	12.9 (327)	23.1 (586)	1240 (562)
12	110	15	770 (18.0)	35.2 (893)	12.9 (327)	23.2 (590)	1200 (544)

Battery compartment length is measured from front to rear. Battery compartment width is measured across truck.
 SB175 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
 Amp hour capacity min / max 24 volt truck 560 / 770. Battery weight range min / max 900 - 1200 lbs.

MAST PERFORMANCE - OS030EF

	Lifting speed		Lowering speed	
	Empty	Rated load †	Empty	Rated load †
2-Stage	40 ft/min (0.203 m/s)	25 ft/min (0.127 m/s)	52 ft/min (0.264 m/s)	52 ft/min (0.264 m/s)
3-Stage	42 ft/min (0.213 m/s)	26 ft/min (0.132 m/s)	60 ft/min (0.305 m/s)	58 ft/min (0.295 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 - OS030EF

	Maximum fork height (TOF)	Overall lowered height	Overall extended height
	in. (mm)	in. (mm)	in. (mm)
2-Stage	135" (3429)	89" (2260)	222" (5638)
	147" (3735)	95" (2415)	234" (5943)
	165" (4190)	105" (2565)	252" (6400)
3-Stage	195" (4953)	89" (2260)	282" (7162)
	213" (5410)	95" (2415)	300" (7620)
	228" (5790) *	101" (2565)	315" (8001)
	240" (6096) *	105" (2665)	327" (8306)

Lift heights over 240" (6096 mm) maximum fork height may require reduced capacity depending upon OEC dimensions.

* Capacity will be reduced with 228" and 240" masts and 41" outriggers.
 Refer to Technical Data (TD) Sheets

TRAVEL SPEEDS (24V) - OS030EF

Fork height	Steer angle <10°	Steer angle >10°
	in. (mm)	mph (kph)
0 (0)	6.0 (9.7)	6.0 (9.7)
24 (610)	6.0 (9.7)	3.0 (4.8)
60 (1524)	6.0 (9.7)	2.4 (3.9)
116 (2946)	2.7 (4.3)	1.5 (2.4)
150 (3810)	1.0 (1.6)	1.0 (1.6)
>150 (3810)	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 150.0" (3810 mm), traction speed is reduced when steering angle exceeds 10°.

* Travel above 150.0" (3810 mm) fork height requires a high level traction option. Capacity reduction required.

Contact your local dealer for additional information.

FEATURES LIST - OS030EF

PERFORMANCE	STD	OPT	OPERATION CONTINUED	STD	OPT
24 Volt AC electrical system	●		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	●	
AC transistor control	●		Battery compartment corrosive resistant steel rollers	●	
AC traction motor	●		Fixed hoop platform side rails	●	
Single hydraulic pump and motor	●		Electric horn	●	
On demand electric power steering	●		Static discharge strap	●	
AC steer motor	●		Battery spacer group		●
Auto Deceleration System (ADS) with regenerative braking	●		Battery stand		●
4 Operator selectable, programmable performance modes	●		Battery puller		●
Smart-glide continuous height sensing	●		38.75" Open end clearance with 48" outside dimension (base width) outriggers		●
High level traction above 150" with restricted steer		●	Safety glass shield		●
Side guide rollers (48.25" or 55" OAW)		●	Retractable side gates with cushioning and lift and traction cutout interlock		●
DRIVE	STD	OPT	Retractable operator tether with full body harness or medium body belt		●
13.5" x 5.5" Polyurethane (601 compound)	●		Keyless - toggle switch		●
4.0" x 3.0" Articulating tandem - high load compound load wheel	●		Line driver		●
13.5" x 5.5" Superior XL-AC (901 compound)		●	DC to DC converter - 25 amps / 300 watts @ 12 volts		●
13.5" x 5.35" Polyurethane – X grooved (601 compound)		●	Smart steer		●
13" x 5.5" Molded NDIIthane (non marking)		●	Audible alarms self adjusting 82-102 db(A)		
LIFT	STD	OPT	– Back-up alarm - reverse direction activation		●
135" MFH / 89" OALH 2-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		●	Battery spacer group - "x" dimension 31.25" to 30.80" battery		●
HANDLING	STD	OPT	Battery spacer group - "x" dimension 35.75" to 34.90" battery		●
42.0" x 1.75" x 4.0" Standard taper pin type forks	●		Battery spacer group - "x" dimension 35.75" to 35.30" battery		●
Heavy duty pallet clamp - automatically engaged / foot released	●		Yale Reliant™		●
Heavy duty automatic pallet clamp with opening range from 1/2" to 3"	●		APPEARANCE		
Heavy duty automatic pallet clamp with opening range from 1/2" to 6"		●	2-Part poly YALE gold paint	●	
36" or 48" Long standard taper pin type forks		●	CONSTRUCTION	STD	OPT
ERGONOMICS	STD	OPT	Standard application / environmental construction	●	
Shock dampening operator's compartment floor mat	●		UL Classification type "E"	●	
Non-adjustable verticle console	●		SubZERO freezer package - operating temperatures range: -20° to +120° F		●
6" Vertical adjustable operator console		●	VISIBILITY	STD	OPT
2 Speed upper body fan - console mounted		●	Cantilever style overhead guard	●	
OPERATION	STD	OPT	Wire mesh screen operator guard	●	
Battery connector SB-175 red	●		Amber LED strobe - continuous operation with key-on	●	
40.0" Wide x 27.5" Deep operator platform	●		– Dome light and 2-speed fan package mounted on top of overhead guard		●
36.0" L x 13.5" W x 24.3" H battery compartment	●		– Dome light, 2-speed fan and halogen glass lens spot light package		●
32" Open end clearance with 41" outside dimension (base width) outriggers	●		– Dome light, 2-speed fan and LED plastic lens spot light package		●
Key switch start	●		– 2 LED plastic lens spot lights mounted under overhead guard		●
Multi-turn steering	●		ENERGY SYSTEM	STD	OPT
Electric park brake - automatically engaged / foot released	●		Lead acid	●	
Controller Area Network (CANbus) communications	●		Yale Power Key		●
Graphic LCD multi-function smart display with back lighting			SUPPLEMENTAL	STD	OPT
– Hour meters; truck, traction and hoist pump			Operating manual and labels – English	●	
– Bar graphic battery discharge indicator			12 Month / unlimited hours full truck warranty	●	
– Low battery lift interrupt			3 Years/ 6,000 hour powertrain warranty	●	
– Performance mode selection and indication	●		Lifetime frame warranty	●	
– Led status indicators with symbols			5 Year 10,000 hour part A comprehensive parts and labor warranty		●
– User passwords and operator logs with history			5 Year 10,000 hour part B powertrain parts and labor no deduct warranty		●
– Steer wheel angle graphic indication			Parts manual - printed or CD		●
– Truck inspection check list					
– Truck speed indication in mph or kph					
Slack chain indication	●				
Battery power disconnect button	●				

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


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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.