



ESC-AD

THREE WHEEL STAND-UP RIDER TRUCKS

3,000 · 3,500 · 4,000 lbs

Yale® ESC-AD

The ESC-AD industrial fork lift truck combines leading technology and operator comfort for high performance and productivity in docking, drive-in/drive-through rack applications within retail distribution, food manufacturing and processing, general warehousing and manufacturing, storage, plastic products, and freight transportation.

AC Technology

AC technology provides the ability to control the traction motor fields and armature independently. This results in enhanced performance and battery efficiency. In combination with the Metal Oxide Semiconductor Field Effect Transistor (MOSFET) motor controller we have reduced wearable components and improved performance. The AC control system provides high travel speeds and improved acceleration. Variable regenerative braking occurs when the throttle handle is released to neutral or reversed. Regenerative braking improves efficiency and reduces wear on brake components. The controller parameters are fully programmable including settings for acceleration, top speed, and neutral braking.

Operator's Compartment

The Yale® ESC-AD truck features a new movement forward in ergonomic design. Designed for side-stance operation, the truck allows the driver flexibility of an angled stance with expanded hip room. The fully padded operator's compartment provides back, hip, arm and knee support and offers the operator a cooler workspace. The high backrest support provides the operator both comfort and protection. The noticeably large floor has room for movement. The brake pedal design allows for an easy entrance into and exit from the operator compartment.

The Yale® Smart Ride Floor System greatly reduces shocks and vibrations transmitted to the operator's feet, back and legs from dock plates, expansion joints, and other irregular floor surfaces. The maintenance-free design requires no weight adjustment from the operator.

Drive Motors/Transaxles

The dual horizontal AC drive motors are designed and built specifically for the Yale three wheel trucks and are individually mounted for easy servicing. The motors have a temperature sensor mounted internally to monitor and provide feedback to the CANbus. The temperature sensor monitors the motor thermal state and can react to various situations to self protect the motor. The dual transaxles are independently controlled for optimization of power and maneuverability. Power transfer occurs via a quiet double reduction design using a combination of spiral bevel and helical gears. Dual front wheel, continuous differential drive enables both wheels to be under power at all times, but operating separately. This gives power to each drive motor as needed for greater efficiency. The motors are controlled by two controllers, one for each motor. Cornering speed control provides proportional reduction of speed in cornering and automatically slows the truck depending on the radius of the turn.

Multifunction Control Handle

The multifunction control handle is configured with the operator in mind and offers simultaneous control of travel and hydraulic functions plus an operator grip pad for added comfort. The handle assembly is ergonomically designed with an integral thumb rest and can be comfortably operated. The handle provides conveniently located controls for forward/reverse, lift/lower, horn, tilt and optional sideshift. All handle functions are 100% proportional.

Brake System

The spring applied, electrically released brake assemblies provide emergency stopping and parking for the truck. The pre-adjusted brake assemblies require no maintenance and all truck models are equipped with brake over-ride connectors to move a disabled truck. During operation, as the operator releases the brake pedal, regenerative motor braking occurs to stop the truck. If the RPM of the AC traction motors

reaches zero for at least 1 second, power is removed from the park brakes engaging them. This feature reduces unnecessary wear on the brake disc and provides positive engagement of the parking brake.

Transistor Hydraulic Control System

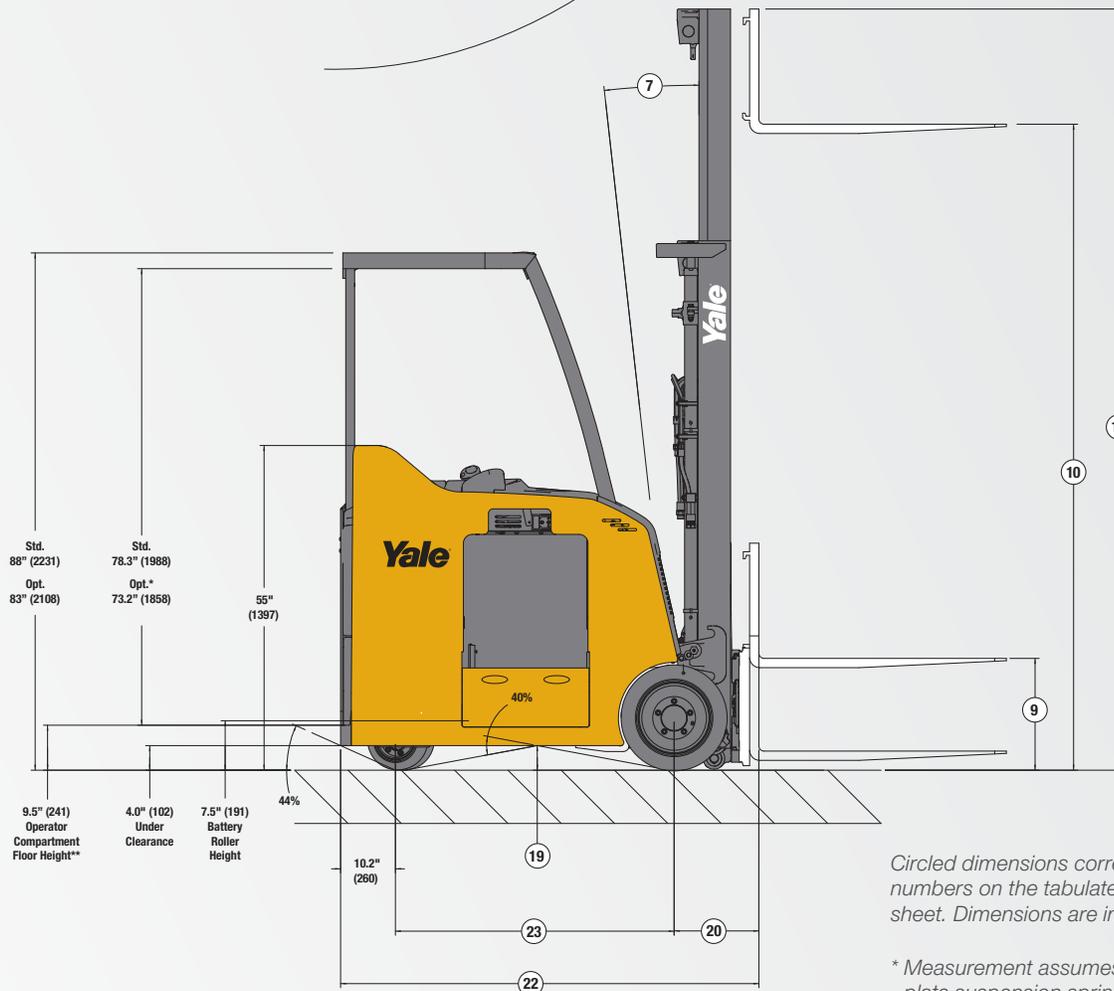
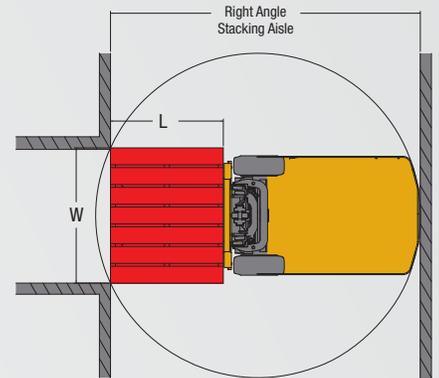
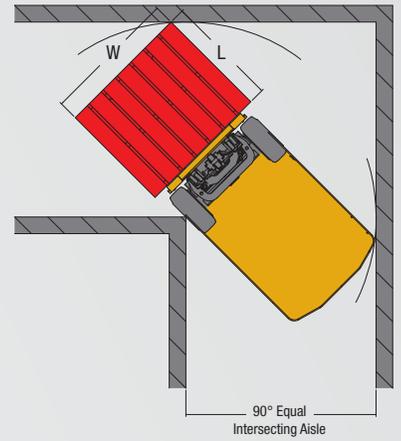
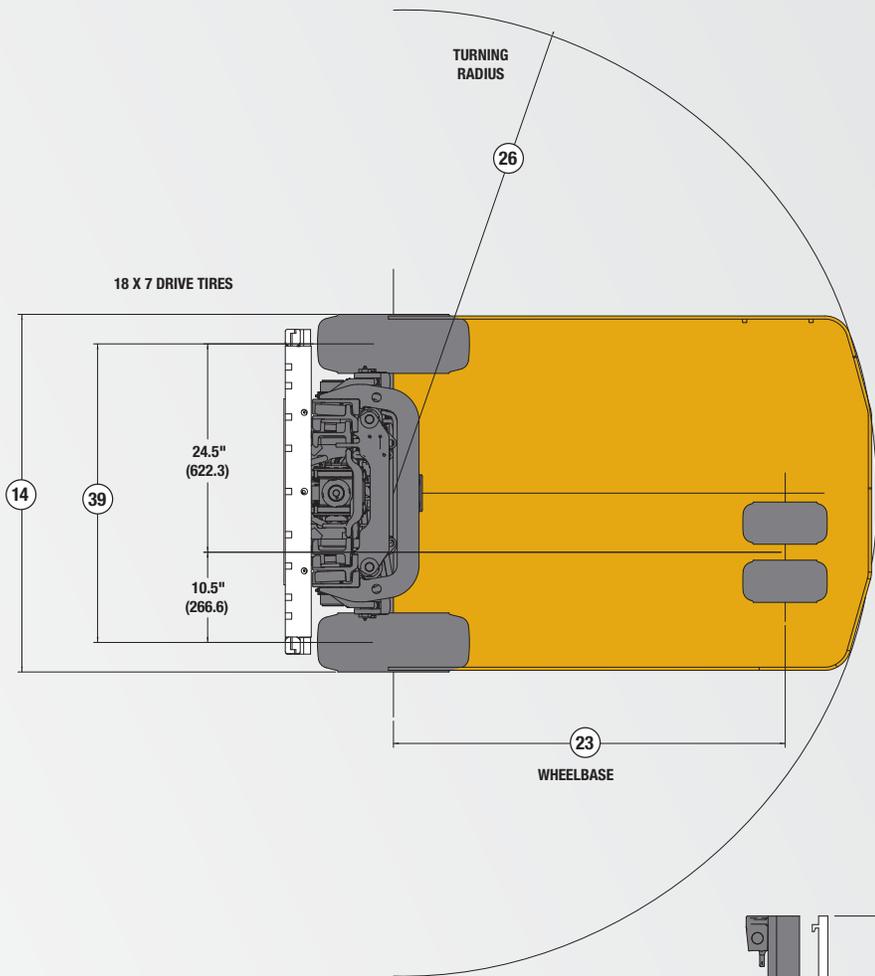
The AC transistor lift pump control matches pump speed with hydraulic flow requirements for increased efficiency, quieter operation and reduced maintenance. The transistor hydraulic control system controls the hydraulic motor with a MOSFET controller that provides smooth, quiet, energy-efficient operation. The controlled acceleration feature reduces pump and motor loadings on start-up for increased system life.

Console Covers

The top and front covers provide access to main electrical components and are easy to remove without tools. The formed covers provide unobstructed use of the multifunction control handle. Storage areas in the operator's compartment supply a place to store pens, pencils, markers, etc.

(continued on back)





Circled dimensions correspond to the line numbers on the tabulated chart inside the spec sheet. Dimensions are in inches (millimeters).

* Measurement assumes zero compression of floor plate suspension spring, which varies depending on operator weight (typical 1/2" deflection could be assumed for increased operator height clearance).

GENERAL	1	Manufacturer		Yale				
	2	Model Designation		ESC030AD				
	3	Power/Voltage		Electric/36 Volts				
	4	Operation Type		Stand				
	5	Rated Capacity	lb (kg)	3000 (1361)				
	6	Load Center	in (mm)	24 (609)				
DIMENSIONS	7	Mast Tilt Std (Opt)		degrees	5F/5B (10F/5B)			
	8	Mast – Lowered Height (Std Mast)		in (mm)	84 (2130)			
	9	Free Lift – Top of Fork (Std 2 Stg Limited Free Lift Mast)		in (mm)	5 (140)			
	9a	Free Lift – Top of Fork (Opt 2 Stg Full Free Lift Mast w/wo LBR)		in (mm)	33/61 (860/1555)			
	10	Lift Height – Top of Fork (Std 2 Stg Limited Free Lift Mast)		in (mm)	131 (3332)			
	11	Mast – Extended Height (Std Mast with/without LBR)		in (mm)	180/154 (4555/3912)			
	12	Overhead Guard Height (Std/Opt)		in (mm)	88/83 (2234/2108)			
	13	Grade Clearance		%	40			
	14	Overall Width		in (mm)	42 (1067)			
	15	Forks (Thickness x Width x Length)		in (mm)	1.5 x 4 x 42 (38 x 102 x 1067)			
	16	Standard Carriage Width (Class II)		in (mm)	38.5 (978)			
	17	Floor to Top of Battery Rollers		in (mm)	7.5 (190)			
	19	Ground Clearance (Center of Wheelbase) NL		in (mm)	4 (102)			
	20	Load Distance (Ctr of Wheel to Face of Forks)	3-Stage FFL Clear View™ Mast †		in (mm)	12.8 (327)		
	20a		2-Stage LFL/FFL, 3-Stage FFL Hi-Vis™ Mast ††		in (mm)	12.6 (321)		
	20b		4-Stage Mast †††		in (mm)	N/A	N/A	18.3 (464)
	21	Battery Compartment	Height		in (mm)	31.1 (790)		
	21a		Length		in (mm)	13.8 (352)	16.0 (408)	18.3 (464)
	21b		Width		Nominal		SIZE	
	21c				Actual		in (mm)	38" 38.6 (980)
	22	Length to Face of Forks		in (mm)	62.3 (1583)	64.5 (1639)	66.7 (1695)	
	23	Wheelbase		in (mm)	39.4 (1001)	41.6 (1057)	43.8 (1113)	
	24	Aisle Width*		in (mm)	111.3 (2827)	113.4 (2880)	115.5 (2934)	
	25	Equal Aisle, 90° Intersecting Aisle*		in (mm)	68.0 (1728)	68.5 (1740)	69.0 (1752)	
	26	Turning Radius		in (mm)	50.7 (1289)	52.8 (1341)	54.9 (1395)	
	PERFORMANCE	27	Travel Speed (NL/RL)		mph (km/h)	7.2/7.2 (11.6/11.6)		
28		Lift Speed	Std 2-Stg LFL Mast (NL/RL)		ft/min (m/sec)	87/59 (0.44/0.30)		
28a			Opt 2-Stg FFL Mast (NL/RL)		ft/min (m/sec)	87/59 (0.44/0.30)		
28b			Opt 3-Stg FFL Clear View™ Mast (NL/RL)		ft/min (m/sec)	99/69 (0.50/0.35)		
28c			Opt 3-Stg FFL Mast (NL/RL)		ft/min (m/sec)	83/65 (0.42/0.33)		
28d			Opt 4-Stg FFL Mast (NL/RL)		ft/min (m/sec)	N/A	N/A	113/79 (0.57/0.40)
29			Lower Speed		Std 2-Stg LFL Mast (NL/RL)	ft/min (m/sec)	63/100 (0.32/0.51)	
29a			Opt 2-Stg FFL Mast (NL/RL)		ft/min (m/sec)	61/98 (0.31/0.50)		
29b			Opt 3-Stg FFL Clear View™ Mast (NL/RL)		ft/min (m/sec)	71/102 (0.36/0.52)		
29c			Opt 3-Stg FFL Mast (NL/RL)		ft/min (m/sec)	71/88 (0.36/0.45)		
29d			Opt 4-Stg FFL Mast (NL/RL)		ft/min (m/sec)	N/A	N/A	86/100 (0.44/0.51)
30		Gradeability	5 Minute Rating (NL/RL)		%	15.0/15.0		
31		Drawbar Pull	5 Minute Rating (NL/RL)		lbf	2602/2356		
32		Brake	Method of Control		Spring Apply/Elec. Released			
32a		Method of Operation		Foot				
WT.	33	Truck Weight	Without Battery (NL)		lb (kg)	6353 (2882)	6373 (2891)	6263 (2841)
	34	Axle Loading – Drive	Static with Max. Wt. Battery (NL/RL)		lb (kg)	3991/9149 (1810 /4150)	4080/9107 (1851/4131)	4260/9765 (1932/4429)
	35	Axle Loading – Steer	Static with Max. Wt. Battery (NL/RL)		lb (kg)	4462/2304 (2024/1045)	4572/2545 (2074/1154)	4702/2198 (2133/997)
TIRE/WHL	36	Tire Type – Rubber, Polyurethane etc. (Drive/Steer)		Rubber/Polyurethane				
	37	Tire Size (Drive/Steer)		in	18 x 7 - 12.1/10 x 5 - 6.5			
	38	Wheels – Number (X=Driven) Drive/Steer		2X/2				
39	Tread (Tires) Std Dr/Steer/Steer		in (mm)	35/10.5/24.5 (889/267/622)				
BATT.	40	Battery	Type		Lead Acid			
	40a		Volts		36			
	40b	Minimum Weight		lb (kg)	1700 (771)	1980 (898)	2300 (1043)	
MOTORS	41	Traction Motors (Dual) 60 Minute Rating each		hp (kW)	6.4 (4.8)			
	42	Pump Motor 15 Minute rating		hp (kW)	16.1 (12)			
	43	Traction Motors (Type/Control Method)		AC/Transistor				
	44	Pump Motor (Type/Control Method)		AC/Transistor				
	45	Number of Speeds (Traction & Pump)		Infinitely Variable				
OTHER	46	Step Height		in (mm)	9.5 (241)			
	47	Attachment Relief Pressure		psi (bar)	2000 (138)			
	49	Sound Level (Measured per ANSI B56.11.5)		dB (A)	69			

Specifications, unless otherwise listed, are for a standard truck without optional equipment.

*Right Angle Stack and Equal Intersecting Aisle dimensions provided with a 48" long and 40" wide pallet load, 2-Stage LFL Mast with Standard Carriage, allowing zero clearance.

RAS = Turn Radius + Load Distance + Load Length + Clearance

† 3-Stage FFL Clear View™ Mast add 1.8" for S/S

†† 2-Stage LFL/2 Stage-FFL/3-Stage FFL Hi-Vis™ Mast add 1.7" for S/S

††† 4-Stage FFL Mast add 1.4" for S/S

RL = Rated Load, NL = No Load

GENERAL	1	Manufacturer		Yale		
	2	Model Designation		ESC035AD	ESC035AD	ESC040AD
	3	Power/Voltage		Electric/36 Volts		
	4	Operation Type		Stand		
	5	Rated Capacity	lb (kg)	3500 (1588)	3500 (1588)	4000 (1814)
	6	Load Center	in (mm)	24 (609)		
DIMENSIONS	7	Mast Tilt Std (Opt)		degrees		
	8	Mast – Lowered Height (Std Mast)		in (mm)		
	9	Free Lift – Top of Fork (Std 2 Stg Limited Free Lift Mast)		in (mm)		
	9a	Free Lift – Top of Fork (Opt 2 Stg Full Free Lift Mast w/wo LBR)		in (mm)		
	10	Lift Height – Top of Fork (Std 2 Stg Limited Free Lift Mast)		in (mm)		
	11	Mast – Extended Height (Std Mast with/without LBR)		in (mm)		
	12	Overhead Guard Height (Std/Opt)		in (mm)		
	13	Grade Clearance		%		
	14	Overall Width		in (mm)		
	15	Forks (Thickness x Width x Length)		in (mm)		
	16	Standard Carriage Width (Class II)		in (mm)		
	17	Floor to Top of Battery Rollers		in (mm)		
	19	Ground Clearance (Center of Wheelbase) NL		in (mm)		
	20	Load Distance (Ctr of Wheel to Face of Forks)	3-Stage FFL Clear View™ Mast †	in (mm)		
	20a		2-Stage LFL/FFL, 3-Stage FFL Hi-Vis™ Mast ††	in (mm)		
	20b		4-Stage Mast †††	in (mm)		
	21	Battery Compartment	Height	in (mm)		
	21a		Length	in (mm)		
	21b		Width	18.3 (464)	20.8 (528)	
	21c		Nominal	SIZE		
			Actual	in (mm)		
	22	Length to Face of Forks		in (mm)		
	23	Wheelbase		in (mm)		
	24	Aisle Width*		in (mm)		
	25	Equal Aisle, 90° Intersecting Aisle*		in (mm)		
	26	Turning Radius		in (mm)		
27	Travel Speed (NL/RL)		mph (km/h)			
28	Lift Speed	Std 2-Stg LFL Mast (NL/RL)	ft/min (m/sec)			
28a		Opt 2-Stg FFL Mast (NL/RL)	ft/min (m/sec)			
28b		Opt 3-Stg FFL Clear View™ Mast (NL/RL)	ft/min (m/sec)			
28c		Opt 3-Stg FFL Mast (NL/RL)	ft/min (m/sec)			
28d		Opt 4-Stg FFL Mast (NL/RL)	ft/min (m/sec)			
29	Lower Speed	Std 2-Stg LFL Mast (NL/RL)	ft/min (m/sec)			
29a		Opt 2-Stg FFL Mast (NL/RL)	ft/min (m/sec)			
29b		Opt 3-Stg FFL Clear View™ Mast (NL/RL)	ft/min (m/sec)			
29c		Opt 3-Stg FFL Mast (NL/RL)	ft/min (m/sec)			
29d		Opt 4-Stg FFL Mast (NL/RL)	ft/min (m/sec)			
30	Gradeability	5 Minute Rating (NL/RL)	%			
31	Drawbar Pull	5 Minute Rating (NL/RL)	lbf			
32	Brake	Method of Control	Spring Apply/Elec. Released			
32a		Method of Operation	Foot			
33	Truck Weight	Without Battery (NL)	lb (kg)			
34	Axle Loading – Drive	Static with Max. Wt. Battery (NL/RL)	lb (kg)			
35	Axle Loading – Steer	Static with Max. Wt. Battery (NL/RL)	lb (kg)			
TIRE/WHEELS	36	Tire Type – Rubber, Polyurethane etc. (Drive/Steer)		Rubber/Polyurethane		
	37	Tire Size (Drive/Steer)		in		
	38	Wheels – Number (X=Driven) Drive/Steer		2X/2		
39	Tread (Tires) Std Dr/Steer/Steer		in (mm)			
BATT.	40	Battery	Type			
	40a		Volts			
	40b		Minimum Weight			
MOTORS	41	Traction Motors (Dual) 60 Minute Rating each		hp (kW)		
	42	Pump Motor 15 Minute rating		hp (kW)		
	43	Traction Motors (Type/Control Method)		AC/Transistor		
	44	Pump Motor (Type/Control Method)		AC/Transistor		
	45	Number of Speeds (Traction & Pump)		Infinitely Variable		
OTHER	46	Step Height		in (mm)		
	47	Attachment Relief Pressure		psi (bar)		
	49	Sound Level (Measured per ANSI B56.11.5)		dB (A)		

Specifications, unless otherwise listed, are for a standard truck without optional equipment.

*Right Angle Stack and Equal Intersecting Aisle dimensions provided with a 48" long and 40" wide pallet load, 2-Stage LFL Mast with Standard Carriage, allowing zero clearance.

RAS = Turn Radius + Load Distance + Load Length + Clearance

† 3-Stage FFL Clear View™ Mast add 1.8" for S/S

†† 2-Stage LFL/2-Stage-FFL/3-Stage FFL Hi-Vis™ Mast add 1.7" for S/S

††† 4-Stage FFL Mast add 1.4" for S/S

RL = Rated Load, NL = No Load

MAST DIMENSIONS					
Maximum Fork Height	Overall Lowered Height	Overall Extended Height		Free-Lift (TOF)	
		w/Load Backrest	w/o Load Backrest	w/Load Backrest	w/o Load Backrest
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)
2-Stage Limited Free-Lift (LFL) Hi-Vis™ Mast (3000-4000 lb)					
131 (3332)	84 (2130)	180 (4562)	154 (3906)	5 (140)	5 (140)
139 (3532)	88 (2230)	188 (4762)	162 (4106)	5 (140)	5 (140)
2-Stage Full Free-Lift (FFL) Hi-Vis™ Mast (3000-4000 lb)					
40 (1018)	48 (1220)	90 (2286)	75 (1905)	0 (0)	12 (305)
130 (3318)	84 (2130)	180 (4568)	154 (3913)	35 (900)	61 (1555)
138 (3518)	88 (2230)	188 (4768)	162 (4113)	39 (1000)	65 (1655)
3-Stage Full Free-Lift (FFL) (Clear View™) Mast (3000 lb only)					
157 (4000)	74 (1880)	206 (5229)	178 (4521)	25 (635)	53 (1346)
192 (4900)	86 (2180)	242 (6129)	213 (5410)	37 (940)	65 (1651)
198 (5050)	90 (2280)	248 (6279)	219 (5563)	41 (1041)	69 (1753)
210 (5350)	94 (2380)	259 (6579)	231 (5867)	45 (1143)	73 (1854)
216 (5500)	96 (2430)	265 (6726)	237 (6020)	47 (1194)	75 (1905)
3-Stage Full Free-Lift (FFL) Hi-Vis™ Mast (3000-4000 lb)					
187 (4750)	82 (2080)	236 (5980)	210 (5325)	33 (850)	59 (1505)
192 (4900)	84 (2230)	238 (6030)	212 (5375)	35 (900)	61 (1555)
198 (5050)	88 (2230)	248 (6280)	221 (5625)	39 (1000)	65 (1655)
222 (5650)	98 (2480)	271 (6880)	245 (6225)	49 (1250)	75 (1905)
228 (5800)	100 (2530)	277 (7030)	251 (6375)	51 (1300)	77 (1955)
4-Stage Full Free-Lift (FFL) Mast					
241 (6121)*	84 (2121)	289 (7340)	264 (6708)	37 (935)	60 (1524)
259 (6578)*	90 (2273)	306 (7772)	282 (7165)	43 (1087)	65 (1651)
283 (7188)†	99 (2502)	331 (8407)	306 (7775)	52 (1316)	74 (1880)

* Available on 3000 / 3500 / 4000 lb trucks with 18.3" or 20.8" battery compartment only

† Available on 3500 / 4000 lb trucks with 20.8" battery compartment only

BATTERY AND COMPARTMENT SPECIFICATIONS												
Truck Model	Compartment Dim.			Battery Dim - Max			Volts	No. of Cells	Plates per Cell	Max Capacity	Weight	
	Width	Length	Height	"X"	"Y"	"Z"				6 Hr Rate	Min	Max
	in (mm)			in (mm)						amp hr (kwh)	lb (kg)	
ESC030AD Standard 13.8" Compartment	38.6 (980)	13.8 (351)	31.1 (790)	38.5 (978)	13.4 (340)	31 (787)	36	18	11	775 (27.1)	1700 (771)	2000 (907)
ESC030AD Standard 16.0" Compartment	38.6 (980)	16.0 (407)	31.1 (790)	38.5 (978)	15.6 (397)	31 (787)	36	18	13	930 (32.5)	1980 (898)	2300 (1043)
ESC030AD Standard 18.3" Compartment	38.6 (980)	18.3 (465)	31.1 (790)	38.5 (978)	17.9 (455)	31 (787)	36	18	15	1085 (37.9)	2300 (1043)	2700 (1225)
ESC035AD Standard 18.3" Compartment	38.6 (980)	18.3 (465)	31.1 (790)	38.5 (978)	17.9 (455)	31 (787)	36	18	15	1085 (37.9)	2300 (1043)	2700 (1225)
ESC035AD Optional 20.8" Compartment	38.6 (980)	20.8 (528)	31.1 (790)	38.5 (978)	20.4 (518)	31 (787)	36	18	17	1240 (43.3)	2500 (1152)	3050 (1383)
ESC040AD Standard 20.8" Compartment	38.6 (980)	20.8 (528)	31.1 (790)	38.5 (978)	20.4 (518)	31 (787)	36	18	17	1240 (43.3)	2695 (1222)	3050 (1383)
ESC040AD *Optional 18.3" Compartment	38.6 (980)	18.3 (465)	31.1 (790)	38.5 (978)	17.9 (455)	31 (787)	36	18	15	1085 (37.9)	2300 (1043)	2700 (1225)

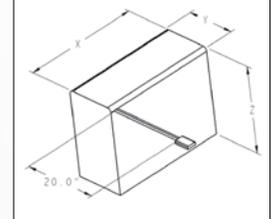
Battery compartment length is measured from front to rear.

Battery compartment width is measured across the truck.

Battery Connector: 350 Amp / 36 Volt.

Battery Lead: Length 20" (508 mm) 2/0 gauge leads, "B" Position.

* 20.8" battery compartment with a 3.0" spacer to accommodate an 18" Battery.



(continued from cover)

Standard Premium Dash Display

The LCD displays vehicle status, warning, and fault messages. The primary screen presents battery level, throttle command, vehicle speed, vehicle direction, steer angle, performance mode, and hours. In the service menus, the three line LCD is used for information display depending on submenu. The display contains vehicle diagnostics with fault history and can store 100 operator specific passwords. The display is also a control system input from operator or technician. The operator can select travel mode, enter passwords, or verify truck inspection when that option is installed. A service technician can input truck set-up values via dash to the control system.

Hydraulic Control System

The hydraulic functions of the truck are managed by the AC hoist controller. This system in conjunction with the electro-hydraulic valve provides low noise and low heat. Efficient design has allowed us significant reduction of hydraulic fittings reducing potential leak points. A replaceable cartridge full flow hydraulic filter is located at the top of the hydraulic tank. It has a bypass relief valve to ensure oil flow in the event of filter clogging. The filter contains a 10 micron element that protects the hydraulic system from contaminants, promotes reliable performance, and helps to provide long life for all the system components.

Power Steering

The on-demand power steering system is timed-off when not used, reducing noise and conserving energy. This system is powered by a brushless motor virtually eliminating maintenance.

Masts/Carriage/Forks/Load Backrest Extension

Yale simplex, duplex, triplex and quad masts provide good visibility. An optional Clear View™ mast is available on 3,000

lb trucks (13.8", 16.0", and 18.3" battery compartment sizes). The standard heavy-duty mast features flush face design with geometrically matched, load rollers, which are canted, yet provide full-face roller contact. The mast front rail flange angle coupled with the inverted "J" inner channel and 3-degree mast rollers significantly reduces channel web milling and roller wear. Trunnion mounts have replaceable bushings for longer life. The carriage features pre-lubed and sealed full radius, angled load rollers that resist forward, backward and lateral forces. Forks are "upset forged" from a single piece of high strength steel to give strength and added thickness for wear. A 48" load backrest extension is standard.

Frame/Overhead Guard

The frame is a unitized stress-tested welded steel construction. Battery compartment has standard corrosion resistant ball bearing rollers. The frame is designed to distribute loads and stress uniformly throughout the structure. The application of this design concept through the finite element modeling and extensive stress testing produces a balanced design with long-term durability. There are four battery compartment sizes: 13.8", 16.0", 18.3" and 20.8". The flat plate overhead guard offers great visibility and strength. A single rear overhead guard leg provides additional operator protection.

Electrical Components

Wiring is color coded for easy troubleshooting. Sealed electrical connectors are used throughout the truck. Electrical connections are provided for convenient field installation of electric options. An external diagnostic port is accessible without removing any covers, resulting in efficient troubleshooting and programming. The key switch is located to the left of the multifunction display. The power disconnect switch disrupts all power circuits when depressed.

Additional Features

A bolt-on 48 inch (1220 mm) load backrest extension and 42 inch (1067 mm) hook type forks are standard. All non-sealed friction points are equipped with high pressure grease fittings. The truck is painted gold, parchment, and black.

Options

- Regulated auxiliary power supply (suitable for electronic equipment) 25 amps / 300 watts @ 12 volts
- Headlights
 - Mast mounted
 - Overhead guard mounted
 - LED or halogen
- Rear work light (LED or halogen)
- 10 degree forward tilt
- Integral sideshifter
- Integral sideshift fork positioner
- Cooler/freezer package (operating temperatures: 0°F to + 120°F)
- SubZero Freezer Package (operating temperatures: -40°F to + 120°F)
- Various drive & steer tire types
- Dome light
- Single speed fan
- Backup alarms
- Data terminal mounting bracket
- Strobe lights
- Reduced speed tilt
- Return to set tilt
- Tilt interlock
- Hydraulic attachment extension tubes with and without quick disconnect fittings
- Keyless start
- Battery gate interlock
- Fire extinguisher
- Quad masts
- Trucker's style mast option (2-stage FFL)
- Clear View™ mast
- RF scanner holder
- Overhead Guard Delete Option¹
- Rear Operator Compartment Door²

¹ Requires dealer/customer verification confirming that the application meets ANSI/ITSDF B56.1 Section 4.5.1.4. A truck without an overhead guard cannot be used where there is risk of stacked loads falling on the driver. Contact Applications Engineering for additional details.
Note: Special Chassis mounted headlights, work light and strobe light options are available for trucks that are not fitted with an overhead guard.

² Doors are intended to protect the operator from objects that may enter the operator's compartment but they may also slow the operator's egress in emergency situations. A review of the forklift's intended environment should be conducted before selecting a door as optional equipment.



YALE MATERIALS HANDLING CORPORATION

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Manufactured in our own ISO 9001 and 14001 Registered Facilities

2311-1B 5/2015 All trucks shown with optional equipment.

Truck performance may be affected by the condition of the vehicle, how it is equipped and the application. Consult your Yale® dealer if any of the information shown is critical to your application. Specifications are subject to change without notice.

This truck meets all applicable mandatory requirements of ANSI B56.1 Safety Standard for Powered Industrial Trucks at the time of manufacture. Classified by Underwriters' Laboratories, Inc., as to fire and electric shock hazard only for Type E industrial trucks.