

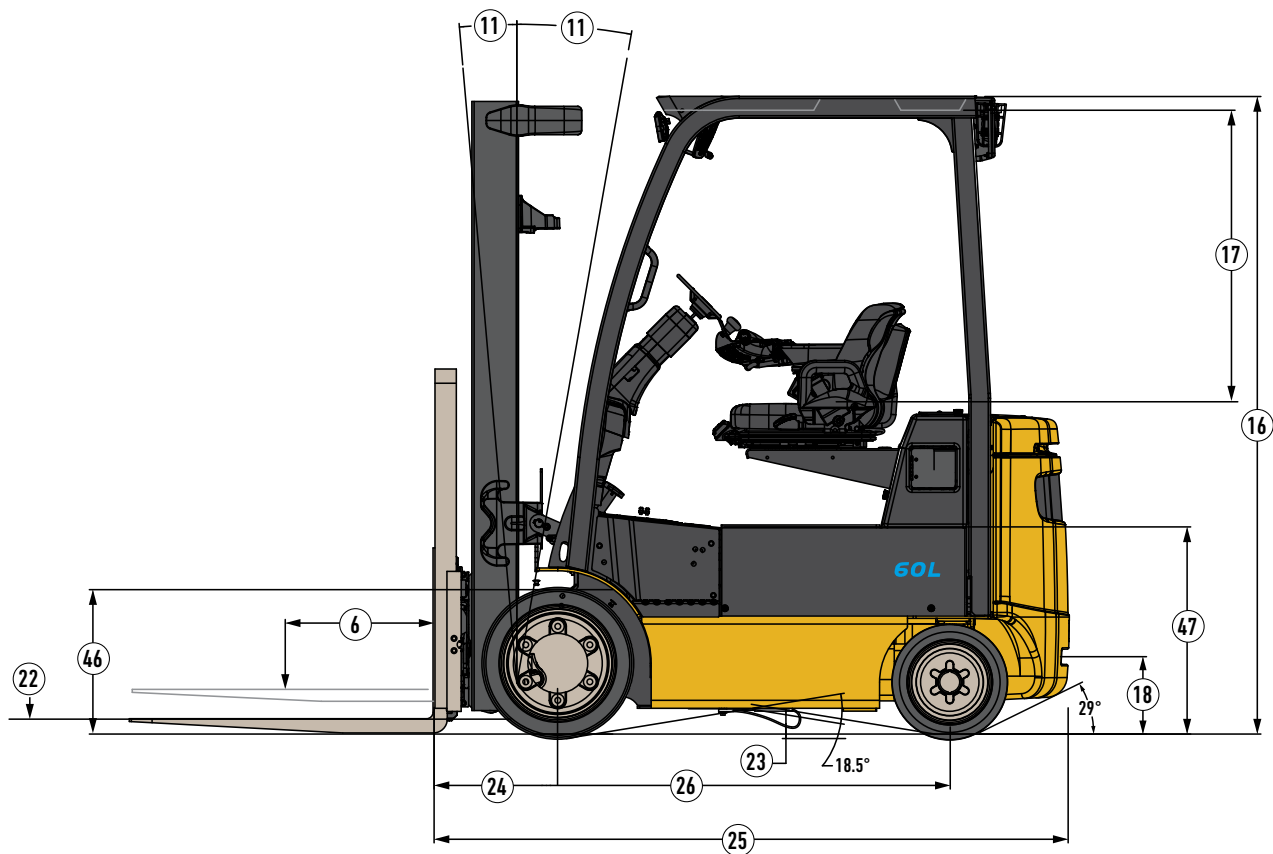
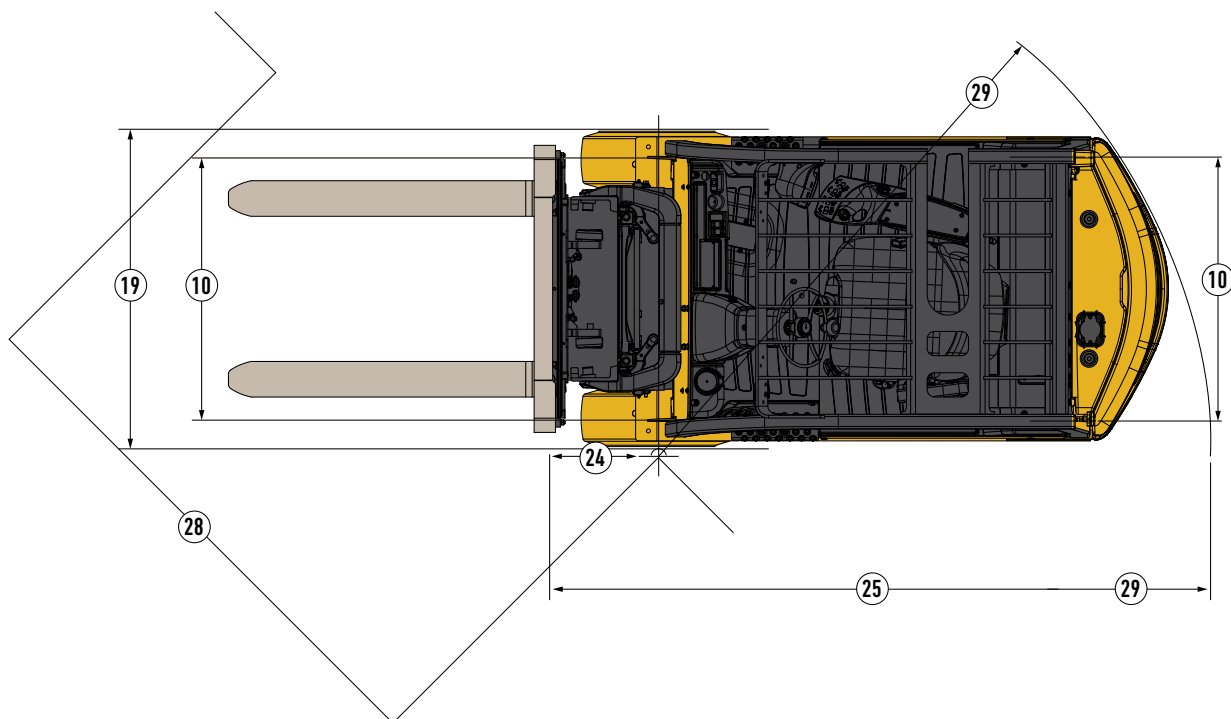


ERC 050-060VGL

SPEC SHEET

Cushion tire integrated lithium-ion
counterbalanced forklift

5,000-6,000 lbs.



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

GENERAL SPECIFICATIONS - ERC050-060VGL

GENERAL	1	Manufacturer		Yale				
	2	Model designation		ERC050VGL	ERC060VGL			
	3	Power type		Electric				
	4	Operator type		Sit				
	5	Rated capacity	lb. (kg)	5000 (2268)	6000 (2722)			
	6	Load center	in. (mm)	24 (610)				
TIRES	7	Tire type - cushion, solid, pneumatic etc.		Drive/steer				
	8	Tire size		Cushion/ Cushion				
	9	Wheels - numbers	X=Driven	Drive/steer	in. (mm)	21x7x15 / 16x5x10.5		
	10	Tread	Tires	Std Dr/Wide Dr/Steer	in. (mm)	21x7x15 / 16x5x10.5		
DIMENSIONS	11	Mast tilt		Std Opt Opt	degrees	5F5B 10F/5B (5F/4B)		
	12	Mast - lowered height		Std mast	in. (mm)	83 (2085)		
	13	Free lift - top of fork	Std 2 stg limited free lift mast		in. (mm)	5(140)		
			Opt 2 stg full free mast with/without LBR		in. (mm)	33/60 (860/1525)	33/56 (855/1440)	
	14	Lift height-top of fork	Std 2 stg limited free lift mast		in. (mm)	125 (3192)	118 (3009)	
	15	Mast - extended height/wheel to fork tips	Std mast with/without LBR		in. (mm)	174/148 (4415/3740)	167/144 (4235/3655)	
	16	Overhead guard height	Std/drive in rack/opt/opt flat plate		in. (mm)	91.5/91.5/89.5/87.4 (2324/2324/2273/2213)		
	17	SIP to bottom std OHG	RSusp at mid-point	Std/susp/swivel	in. (mm)	35.3/34.4/34.3 (899/874/872)		
	18	Tow pin height	Vertical center of pin		in. (mm)	11 (280)		
	19	Overall width	Standard tread/wide tread		in. (mm)	42.1/48.9 (1070/1242)	43.6/48.9 (1108/1242)	
	20	Forks	Thickness x width x length		in. (mm)	1.6 x 3.9 x 42 (40 x 100 x 1067)	2 x 4.9 x 42 (50 x 125 x 1067)	
	21	Standard carriage width	Class II		in. (mm)	38.5 (977)		
	22	Ground clearance	Lowest point	NL/RL	in. (mm)	3.6/3.3 (91/85)		
	23	Ground clearance	Center of truck	NL/RL	in. (mm)	3.9/3.6 (98/92)	3.7/3.6 (94/92)	
	24	Load distance	Center of wheel to face of forks		in. (mm)	15.4 (390)	15.8 (402)	
	25	Length to face of forks	Chassis length		in. (mm)	84.3 (2143)	86.5 (2199)	
	26	Wheelbase			in. (mm)	54.2 (1377)		
	27	Right angle stack			in. (mm)	137.5 (3493)	139.2 (3536)	
	28	Equal aisle	90° Intersecting aisle		in. (mm)	73.1 (1858)	74.2 (1885)	
	29	Outside turning radius			in. (mm)	74.2 (1884)	75.4 (1915)	
	WT.	30	Truck weight	NL	lb. (kg)	9180 (4170)	10240 (4650)	
		31	Axle loading - drive	Static w/max. wt. battery	NL/RL	lb. (kg)	4090 (1860) / 12730 (1460)	4180 (1900) / 14590 (6620)
		32	Axle loading - steer	Static w/max. wt. battery	NL/RL	lb. (kg)	5100 (2315) / 5780 (665)	6070 (2755) / 6620 (755)
	PERFORMANCE	33	Travel speed	Extended shift OFF	NL/RL	mph (km/h)	12.3/12.5 (19.8/20.1)	
Extended shift ON				NL/RL	mph (km/h)	12.2/12.2 (19.7/19.7)	12.2/12.1 (19.7/19.4)	
34		Lift speed	Std 2-stg FFL mast	NL/RL	ft/min (m/sec)	142/96 (0.72/0.49)	124/83 (0.63/0.42)	
			Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)	130/93 (0.66/0.47)	116/81 (0.59/0.41)	
			Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)	134/94 (0.68/0.48)	118/81 (0.6/0.41)	
			Opt 4-stg FFL mast	NL/RL	ft/min (m/sec)	136/94 (0.69/0.48)		
35		Lower speed	Std 2-stg FFL mast	NL/RL	ft/min (m/sec)	100/112 (0.51/0.57)	91/110 (0.46/0.56)	
			Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)	91/106 (0.46/0.54)	73/102 (0.37/0.52)	
			Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)	93/108 (0.47/0.55)	79/104 (0.4/0.53)	
			Opt 4-stg FFL mast	NL/RL	ft/min (m/sec)	77/91 (0.39/0.46)		
36		Gradeability	5 minute rating	NL/RL	%	39/33	36/28	
			60 minute rating	NL/RL	%	32/19	29/16	
37	Drawbar pull	5 minute rating	NL/RL	ibf	3773/4926	3883/4830		
		60 minute rating	NL/RL	ibf	3208/2993	3181/2912		
38	Brake	Method of control	Service/parking		Hydraulic / mechanical			
		Method of operation	Service/parking		Foot / foot			
ELECTRIC	39	Battery	Type	Lithium-ion				
				Volts	80			
	40	Traction motor	60 minute rating	hp (kW)	31.6 (23.6)			
	41	Pump motor	15% rating	hp (kW)	32.2 (24)			
	42	Traction motor	Type/control method	AC / transistor				
	43	Pump motor	Type/control method	AC / transistor				
44	Number of speeds	Traction/pump		Infinitely variable / Infinitely variable				
OTHER	45	Step height		in. (mm)	18.7 (475)			
	46	Floor height	Lowest point	in. (mm)	27.4 (696)			
	47	Attachment relief pressure		psi (bar)	2250 (155)			
	48	Auxiliary relief pressure	3rd and 4th function	gal/min (l/min)	11 (40)			
	49	Sound level	Measured per ANSI B56.11.5		dB (A)	65		

NL = no load, RL = rated load

The following chargers are approved to use with the ERC050-060VGL lithium-ion battery:

- Posicharge ProCORE (80V) - 10kW, 15kW, 20kW or 30kW single cable
- EcoTec Fast Charge Access (80V) - 80-500-32FC or 80-650-32FC

Above 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, allowing zero clearance.

MAST DIMENSIONS - ERC050VGL

Maximum fork height (TOF) in. (mm)	Overall lowered height in. (mm)	Overall extended highest		Free lift (TOF)		Approx. total wt. of std. equipped truck ERC050VGL lbs. (kg)
		w/ Load backrest in. (mm)	w/o Load backrest in. (mm)	w/ Load backrest in. (mm)	w/o Load backrest in. (mm)	
2-STAGE LIMITED FREE LIFT (LFL) HI-VIS™2 MAST						
125 (3192)	83 (2085)	174 (4415)	147 (3749)	5 (140)	5 (140)	9180 (4170)
133 (3392)	86 (2185)	182 (4615)	155 (3949)	5 (140)	5 (140)	9220 (4185)
1137 (3492)	88 (2235)	186 (4715)	159 (4049)	5 (140)	5 (140)	9240 (4195)
2-STAGE FULL FREE LIFT (LFL) HI-VIS™ MAST						
126 (3202)	83 (2085)	175 (4425)	148 (3759)	33 (862)	60 (1528)	9220 (4185)
133 (3402)	86 (2185)	183 (4625)	155 (3959)	37 (964)	64 (1628)	9260 (4205)
137 (3502)	88 (2235)	186 (4725)	159 (4059)	39 (1012)	66 (1678)	9280 (4215)
3-STAGE FULL FREE LIFT (LFL) HI-VIS™2 MAST						
189 (4800)	83 (2085)	238 (6023)	210 (5399)	33 (862)	60 (1546)	9560 (4340)
194 (4950)	85 (2135)	243 (6173)	216 (5489)	36 (917)	62 (1596)	9580 (4350)
200 (5100)	88 (2235)	249 (6323)	222 (5639)	39 (1012)	66 (1696)	9630 (4370)
218 (5550)	94 (2385)	267 (6773)	239 (6089)	45 (1162)	72 (1846)	9720 (4415)
236 (6000)	102 (2585)	285 (7223)	257 (6539)	53 (1362)	80 (2046)	9910 (4500)
4-STAGE FULL FREE LIFT (LFL) HI-VIS™ MAST						
240 (6098)	84 (2133)	289 (7321)	263 (6678)	35 (910)	61 (1553)	10100 (4585)
252 (6404)	88 (2235)	301 (7627)	275 (6984)	39 (1012)	65 (1655)	10160 (4610)
264 (6710)	92 (2336)	313 (7933)	287 (7290)	43 (1113)	69 (1756)	10220 (4640)

MAST DIMENSIONS - ERC060VGL

Maximum fork height (TOF) in. (mm)	Overall lowered height in. (mm)	Overall extended highest		Free lift (TOF)		Approx. total wt. of std. equipped truck ERC060VGL lbs. (kg)
		w/ Load backrest in. (mm)	w/o Load backrest in. (mm)	w/ Load backrest in. (mm)	w/o Load backrest in. (mm)	
2-STAGE LIMITED FREE LIFT (LFL) HI-VIS™2 MAST						
118 (3009)	83 (2085)	167 (4237)	143 (3654)	5 (150)	5 (150)	10240 (4650)
126 (3209)	86 (2185)	175 (4437)	151 (3854)	5 (150)	5 (150)	10280 (4665)
130 (3309)	88 (2235)	179 (4537)	155 (3954)	5 (150)	5 (150)	10300 (4675)
2-STAGE FULL FREE LIFT (LFL) HI-VIS™ MAST						
118 (3010)	83 (2085)	167 (4237)	144 (3655)	33 (857)	56 (1440)	10280 (4665)
126 (3210)	86 (2185)	175 (4437)	151 (3855)	37 (957)	60 (1540)	10320 (4685)
130 (3310)	88 (2235)	179 (4537)	155 (3955)	39 (1007)	62 (1590)	10340 (4695)
3-STAGE FULL FREE LIFT (LFL) HI-VIS™2 MAST						
175 (4468)	83 (2085)	225 (5696)	200 (5095)	33 (857)	57 (1458)	10610 (4815)
181 (4618)	85 (2135)	231 (5846)	206 (5245)	35 (907)	59 (1508)	10640 (4830)
187 (4768)	88 (2235)	237 (5996)	212 (5395)	39 (1007)	63 (1608)	10660 (4840)
205 (5218)	94 (2385)	254 (6446)	230 (5845)	45 (1157)	69 (1758)	10770 (4890)
223 (5668)	102 (2585)	272 (6896)	248 (6295)	53 (1357)	77 (1958)	10910 (4955)
4-STAGE FULL FREE LIFT (LFL) HI-VIS™ MAST						
240 (6098)	84 (2133)	289 (7321)	263 (6678)	35 (910)	61 (1553)	11000 (4995)
252 (6404)	88 (2235)	301 (7627)	275 (6984)	39 (1012)	65 (1655)	11060 (5020)
264 (6710)	92 (2336)	313 (7933)	287 (7290)	43 (1113)	69 (1756)	11120 (5050)

BATTERY CHARGE TIME - ERC050-060VGL

		Battery size		
		33.6kWh	25.2kWh	16.8kWh
Charge size	30kW	1h 15m	1h*	1h*
	20kW	1h 45m	1h 15m	1h*
	15kW	2h 15m	1h 45m	1h 15m
	10kW	3h 30m	2h 45m	1h 45m
	5kW	6h 45m	5h 15m	3h 30m

BATTERY RUN TIME - ERC050VGL

		Battery size		
		33.6kWh	25.2kWh	16.8kWh
Application	Heavy	7h 15m	5h 30m	3h 30m
	Medium	10h 15m	7h 45m	5h
	Light	13h 45m	10h 15m	6h 45m

The above tables are a helpful guide to visualize the truck run time with different batteries in different applications. Charts are a guide only and not a replacement for a site survey and full power survey.

Heavy - high throughput, typically runs near full capacity, runs either attachments or has high lifts

Medium - high throughput, runs near capacity without attachments or high lifts

Light - lower throughput, runs less than rated capacity without attachments or high lifts

NOTE: Run time is from 100% to lift-lock out. Charge time is from lift-lock out to 100%. Charge times with * are limited to 1C charging (i.e. cannot charge faster than 1 hour).

BATTERY RUN TIME - ERC060VGL

		Battery size		
		33.6kWh	25.2kWh	16.8kWh
Application	Heavy	6h 45m	5h	3h 15m
	Medium	9h 45m	7h 15m	4h 45m
	Light	13h	9h 45m	6h 30m

FEATURES LIST - ERC050-060VGL

PERFORMANCE	STD	OPT
80V electrical system	●	
80V @ 420Ah battery	●	
80V @ 315Ah battery		●
80V @ 210Ah battery		●
Premium Performance Package	●	
AC traction and pump motors (completely brushless)	●	
Transistor drive and pump control	●	
Advanced VSM (vehicle system manager)	●	
Progressive thermal management system	●	
DRIVE	STD	OPT
Smooth tread rubber drive tire and steer tire	●	
Non-marking, rubber, or lug tread tires		●
Wide tread tires		●
LIFT	STD	OPT
2-stage limited free lift (LFL) Hi-Vis™2 mast with maximum fork height of 125" (3192mm) (ERC050VGL) or 118" (4800mm) (ERC060VGL)	●	
Mast tilt option – 5° forward / 5° back	●	
2-stage full free lift (FFL) Hi-Vis™ mast		●
3-stage full free lift (FFL) Hi-Vis™2 mast		●
4-stage full free lift (FFL) Hi-Vis™ mast		●
Mast tilt option – 10° forward / 5° back		●
Mast tilt option – 5° forward / 4° back		●
HANDLING	STD	OPT
38.5" (980mm) wide Class II (ERC050VGL) or Class III (ERC060VGL) hook-type carriage with 38.5" (980 mm) high load backrest extension	●	
42" (1067mm) long forks	●	
Carriage with integral sideshift		●
Carriage with integral sideshifting fork positioner		●
Attachment carriages		●
Return to set tilt		●
Accumulator		●
Load weight indicator		●
Hydraulic attachment extension tubes with quick disconnect fittings		●
ERGONOMICS	STD	OPT
12" steering wheel with integral spinner knob	●	
Non-suspension vinyl seat	●	
Black, non-cinch seat belt with Emergency Locking Retractor	●	
Foot applied / hand released park brake	●	
Foot direction control pedal	●	
On-demand power steering	●	
Power assist braking	●	
Auto Deceleration System (ADS) with regenerative braking	●	
Multifunction display	●	
Easy ingress/egress with low step height and contoured handhold	●	
Operator convenience station - storage areas, beverage & clipboard holders	●	
Accutouch electro-hydraulic mini-lever controls with fully adjustable armrest	●	
Adjustable tilt steering column with low profile cowl	●	
Cushioned floor mat	●	
Seatside power disconnect button	●	

ERGONOMICS CONTINUED	STD	OPT
Cooler/freezer package—operating temp: -20°F to +120°F		●
Air Ride suspension seat		●
Non-suspension seat (cloth)		●
Full-suspension seat (vinyl or cloth)		●
Full-suspension swivel seat (vinyl or cloth)		●
Seatside directional control		●
Automatic electro-mechanical park brake		●
Telescopic steering column with tilt memory		●
LED and halogen work light packages		●
LED dome / reading light		●
Basic & premium LED brake/tail/back-up light packages		●
Key switch controlled lights		●
Rear drive handle with integrated horn button		●
Mirrors – dual side view or panoramic		●
Low mount display		●
OPERATION	STD	OPT
Standard construction	●	
Key switch start	●	
88.5" grid style overhead guard	●	
3-function hydraulic control valve	●	
Fully integrated CANbus communication	●	
Continuous Stability System (CSS™)	●	
Static strap	●	
Tow pin	●	
On-board software: program, test & diagnose; password protected	●	
Electronic horn with integral relay (long life / no adjustments)	●	
4-function hydraulic control valve		●
86.5" grid style overhead guard		●
84.1" flat plate overhead guard		●
88.5" drive-in rack grid style overhead guard		●
Keyless start (with auxiliary key switch)		●
Audible alarm – reverse operation (manually adjustable to 87, 97 or 102 dB)		●
Visible amber strobe light - continuous activated, overhead guard mounted		●
Impact monitor		●
Operator password		●
Operator daily checklist		●
System monitor – hydraulic low fluid level indicator and hydraulic filter service indicator		●
Fire extinguisher – 2.5 lb. dry chemical		●
Synchronous steering		●
Red, high-visibility, non-cinch seat belt with or without start interlock		●
Yale Vision		●
Yale Reliant™		●
SUPPLEMENTAL	STD	OPT
12 Month / 2,000 hour full truck warranty	●	
36 Month / 6,000 hour powertrain warranty	●	
84 Month / 12,000 hour lithium-ion battery warranty	●	
Operating manual	●	

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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Trucks may be shown with optional equipment and/or features not available in all regions. Truck performance may be affected by the condition of the vehicle, how it is equipped and the application. Specifications are subject to change without notice. Consult your Yale® Dealer if any of the information shown is critical to your application.

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.