

30,000 • 33,000 • 36,000 lbs

Yale® GP-EB Series

This series of pneumatic tire lift trucks are available in diesel power. The GP-EB series offers superior traction, gradeability, and drawbar pull on paved, gravel, and unimproved surfaces. The EB Series has high under-clearance, productive travel/lift speeds and excellent maneuverability to meet the demands of tough applications [lumber, pipe, pre-stressed concrete, block/brick, stevedoring and heavy cargo]. Various attachments may be required for above applications.

ERGO^{CAB}™

Yale's ERGO^{CAB}™ is ergonomically designed for maximum operator productivity.

Cab features:

- full-length handrails
- three step entry on special floorboards
- open floor with low front dash
- all gauges, switches, key start and park brake to right of driver
- two way adjustable steering column for height and tilt angle
- inch brake/brake/accelerator pedal arrangement
- custom molded floor mat
- angled overhead guard bars
- 3-way adjustable right hand armrest
- wide angle side view mirrors
- blinking red warning lights on steer column
- side of operator Dash instrument panel with gauges, warning lights and LCD message center

- paddle lever actuators for hydraulic functions and combination paddle/rocker switches for optional attachments
- a full suspension vinyl seat
- horn

Enclosed cab option features:

- curved tempered front and rear glass
- twin arm single 39" blade front wiper, rear wiper and top wiper with washer fluid spray
- ten high capacity outlet vents for heating
- optional air conditioning
- under cab sound insulation
- cab filter for all incoming air
- front and rear screen demisting
- top cover laminated glass
- storage bins

Cab Tilt

The entire cab tilts for complete service access to major powertrain components.

Cummins QSB 6.7L

Cummins 6.7 Liter, QSB6.7 industrial turbo diesel with intercooler features advanced electronics, sculpted blocks, rear gear trains, and a High-Pressure Common-Rail fuel system.

Diesel Engine Specifications

Engine	Cummins QSB 6.7L
Cylinders	6
Displacement	365 cu.in./6 liter
Torque	438 ft-lb. @ 1400 RPM
Horsepower	155 hp @ 2500 RPM

Exhaust

The vertical exhaust is standard and has a large capacity cylindrical muffler.

Air Cleaner

A oversized two-stage air filter and internal back up filter with large site bowl pre-cleaner is standard. Optional Sy-Kone™ or exhaust-aspirated air cleaner with a high air intake for extremely dusty environments includes an oversized two-stage air filter and internal back-up filter. Both standard and optional air cleaners have electronic air filter restriction indicators.

Cooling system

The Quad-Cooler radiator contains four separate cooling cores for the engine, transmission, hydraulics and charge air cooler. The radiator features high performance triangular waved, louvered fins at ten per square inch for reduced plugging from airborne containments. Radiator is easily accessible by lifting gas spring actuated louvered door on top of counterweight.

Drive Axle

The heavy-duty planetary drive axle with secure pinion retention is made of ductile iron and is bolted to the frame. The drive shafts are fully floating allowing the truck and load weight to be carried by the axle housings. A wet disc brake axle is optional.



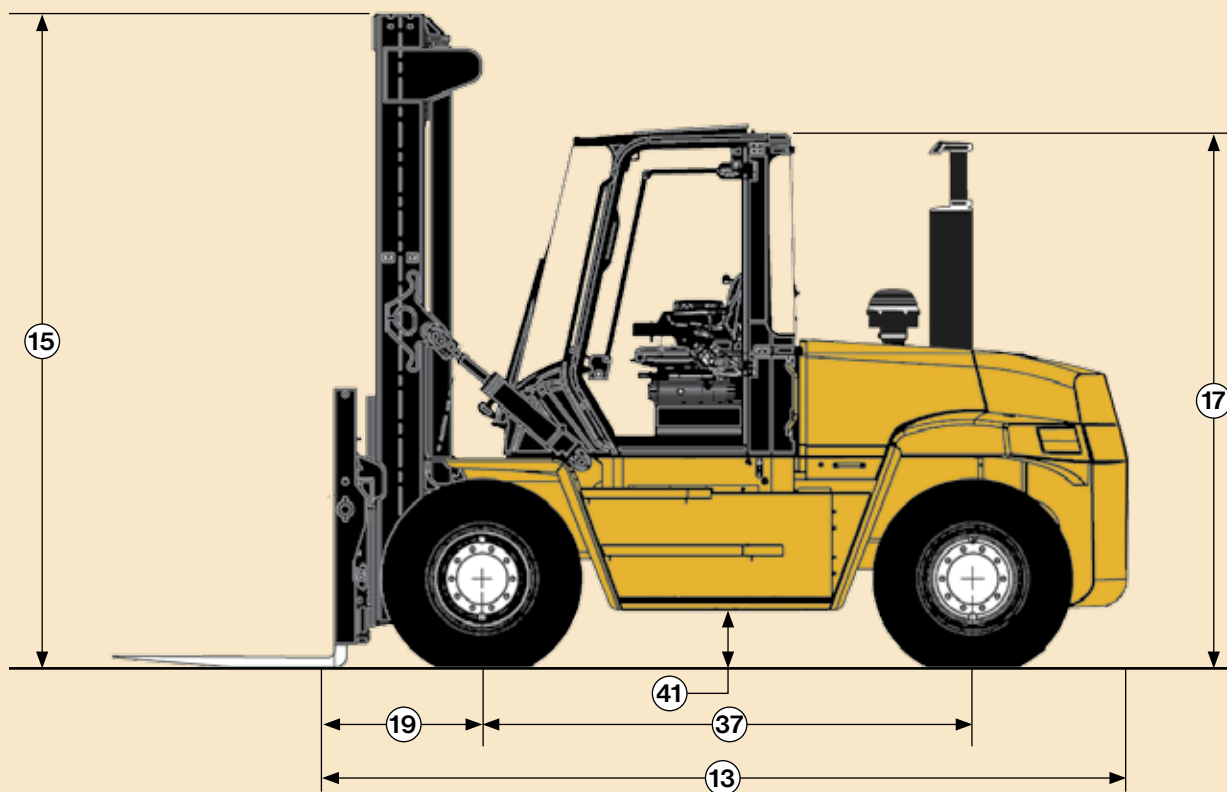
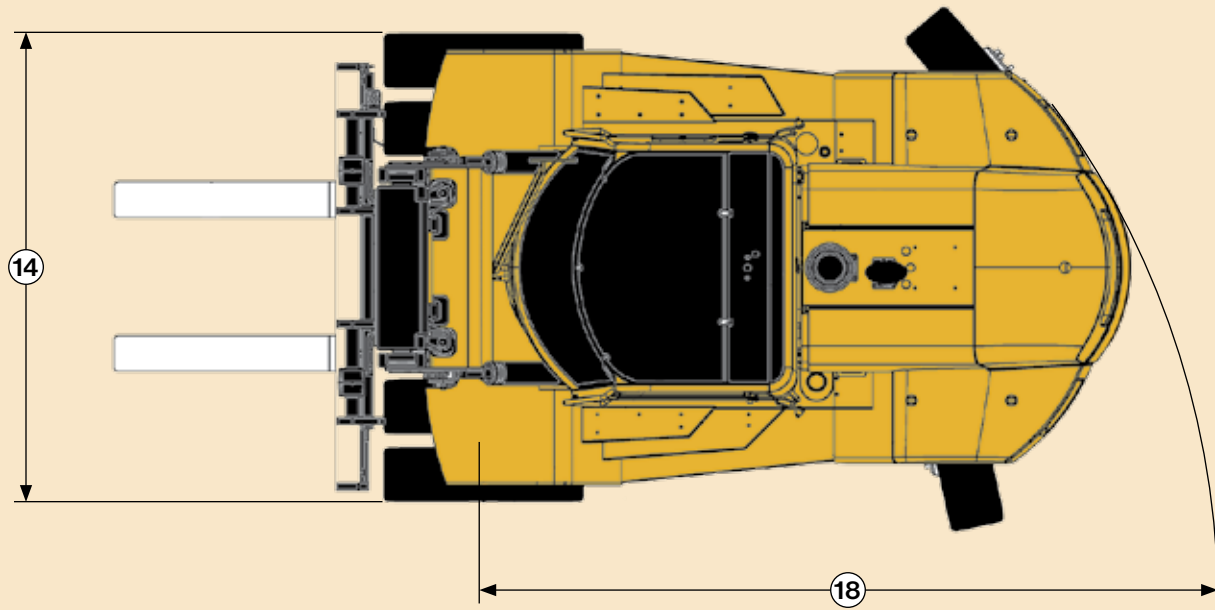
Truck shown with optional equipment

(continued)

Lift and Lower Speeds ft/min (m/s), Weights			
Model	Lift Speed Diesel Empty/Loaded	Lower Speed Diesel Empty/Loaded	*Weights
GP300EB			
ft/min	86.6/57.1	86.6/94.5	38,757 lbs.
m/sec	26.4/17.4	26.4/28.8	17,617 kg.
GP330EB			
ft/min	86.6/57.1	86.6/94.5	40,158 lbs.
m/sec	26.4/17.4	26.4/28.8	18,253 kg.
GP360EB			
ft/min	86.6/57.1	86.6/94.5	42,483 lbs.
m/sec	26.4/17.4	26.4/28.8	19,310 kg.
* Lift heights over 213" (5410mm) max. fork height may require capacity and restricted back lift.			

Mast Dimensions			
Model	Maximum Fork Height in (mm)	Overall Lowered Height in (mm)	Overall Extended Height in (mm)
GP300/330/360EB Simplex	144 (3641)	148 (3761)	216 (5470)
	162 (4091)	183 (4661)	251 (6370)
	176 (4466)	213 (5411)	281 (7120)
	192 (4866)	244 (6205)	312 (7920)

Standard Lift Specifications						
(For other available mast heights, contact your local Yale Dealer.)						
Model	O.A.H. in (mm)	Free Fork Height w/o LBR in (mm)	Max Fork Height in (mm)	Tilt Rwd/Fwd	Drive Tire Size	O.A.W. in (mm)
GP300/330/ 360EB Simplex	144 (3641)	0	148 (3761)	15 (12)	12.0 x 20.0	103 (2616)
	162 (4091)	0	183 (4661)	15 (12)	12.0 x 20.0	103 (2616)
	176 (4466)	0	213 (5411)	15 (12)	12.0 x 20.0	103 (2616)
	192 (4866)	0	244 (6205)	15 (12)	12.0 x 20.0	103 (2616)



GENERAL	1	Manufacturer	Manufacturer's Name		Yale®	
	2	Model Designation	Manufacturer's Designation		GP300EB	
					Cummins LPG	Cummins Diesel
	3	Load Capacity	Rated capacity	lb. (kg)	30000 (13600)	
	4	Load Center	Distance	in. (mm)	24 (600)	
	5	Power Type	Battery, Diesel, LPG, Electric			
6	Operation	Manual, Pedestrian, Stand, Sit, Seat		Sit		
WHEELS	7	Tire Type	C-Cushion, P-Pneumatic, Front/Rear			
	8	Wheels	Number Front/Rear (X = Driven)		4X/2	
	9	Lift Height		in. (mm)	213 (5411)	
	10	Free Lift		in. (mm)	0	
DIMENSIONS	11	Fork	Dimensions	in. (mm)	3.5 x 8 x 72 (89 x 203 x 1830)	
	12	Mast Tilt	Forward/Backward	degree	15/12	
	13	Length	To Face of Forks	in. (mm)	197 (5004)	
	14	Overall Width		in. (mm)	103.03 (2617)	
	15	Height of Mast	Lowered	in. (mm)	176 (4453)	
	16		Extended Without LBE	in. (mm)	281 (7118)	
	17	Overhead Guard	Height	in. (mm)	119.8 (3043)	
	18	Turning Radius	Outside	in. (mm)	180.3 (4580)	
	19	Load Length	Front Overhang	in. (mm)	33.31 (847)	
	20	Aisle Width	RT. Angle Stack (Add length of load)	in. (mm)		
	21			in. (mm)	-	
	PERFORMANCE	22	Towing Coupling	Pin Height	in. (mm)	26.1
23		Travel Speed	With/Without Load	mph (k/h)	14.4 (23.1) / 15.1 (24.3)	15.1 (24.3) / 16.5 (26.5)
24		Lifting Speed	With/Without Load	fpm (m/s)	43 (.21) / 81 (.41)	58 (.29) / 87 (.44)
25		Lowering Speed	With/Without Load	fpm (m/s)	94 (.47) / 87 (.44)	94 (.47) / 86 (.43)
26		Drawbar Pull	With/Without Load (LPG)	lb. (kg)	18585 (8448) / 17284 (7856)	
		Drawbar Pull	With/Without Load (Cummins Diesel)	lb. (kg)	21856 (9980) / 11551 (5250)	
27		Gradeability at 1mph.	With/Without Load	%	33/31	36/33
28		Maximum Gradeability	With/Without Load	%	38/33	45/33
29		Maximum Drawbar Pull	With/Without Load (LPG)	lb. (kg.)	22340 (10154) / 17284 (7856)	
		Maximum Drawbar Pull	With/Without Load (Cummins Diesel)	lb. (kg)	26653 (12115) / 11551 (5250)	
WEIGHTS		30	Working Pressure	For Attachments	psi	2400
	31	Oil Flow	For Attachments	gpm	24.7	
	32	Unloaded Weight		lb. (kg)	38757 (17617)	
	33	Axle Loading	With Load, Front/Rear	lb. (kg)	64282 (29219) / 4475 (2034)	
	34		Without Load, Front/Rear		21364 / 17394	
	35	Tire Size	Front		12.00-20 20PR	
	36		Rear		12.00-20 20PR	
	37	Wheelbase		in. (mm)	129.9 (3300)	
	38	Tread Width	Front	in. (mm)	89.6 (2276)	
	39		Rear	in. (mm)	78.74 (2001)	
	40	Ground Clearance	Under Mast, With Load	in. (mm)	8.12 (206)	
	41		Center of Wheelbase, With Load	in. (mm)	12.8 (329)	
	MOTORS	42	Service Brake	Method of Operation/Control		Foot/Air
43		Parking Brake			Hand/Mechanical	
44		Engine	Manufacturer/Type		6BLPG	QSB 6.7
45			Output, In Accordance with ISO 1585	hp (kw)	155	
46			Number of Cylinders/Displacement	No. (in³)	6 (360)	6 (409)
47		Transmission		Type	Powershift	
48		Noise Level	LEQ	db(A)	76	
49		Hydraulic Tank	Capacity	gal. (litre)	24.6 (93)	
50		Fuel Tank	Capacity	gal. (litre)	32 (122)	
51		Drive Control			Torque Converter	

Yale®				1	GENERAL
GP330EB		GP360EB		2	
Cummins LPG	Cummins Diesel	Cummins LPG	Cummins Diesel	3	
33000 (15000)		36000 (16400)		4	
24 (600)		24 (600)		5	
-		-		6	
Sit		Sit		7	
P/P		P/P		8	
4X/2		4X/2		9	
213 (5411)		213 (5411)		10	
0		0		11	
3.5 x 8 x 72 (89 x 203 x 1830)		3.5 x 8 x 72 (89 x 203 x 1830)		12	
15/12		15/12		13	
197 (5004)		197 (5004)		14	
103.03 (2617)		103.03 (2617)		15	
176 (4453)		176 (4453)		16	
281 (7118)		281 (7118)		17	
121.7 (3091)		121.7 (3091)		18	
180.3 (4580)		184.5 (4687)		19	
33.31 (847)		33.31 (847)		20	
214.2 (5441)		218.4 (5548)		21	
-		-		22	
26.93		26.93		23	
14.4 (23.1) / 15.1 (24.3)	15.1 (24.3) / 16.5 (26.5)	14.4 (23.1) / 15.1 (24.3)	15.1 (24.3) / 16.5 (26.5)	24	
43 (.21) / 81 (.41)	58 (.29) / 87 (.44)	43 (.21) / 81 (.41)	58 (.29) / 87 (.44)	25	
94 (.47) / 87 (.44)	94 (.47) / 86 (.43)	94 (.47) / 87 (.44)	94 (.47) / 86 (.43)	26	
18488 (8403) / 18100 (8227)		18401 (4727) / 17709 (8049)		27	
21192 (9633) / 11888 (5463)		21102 (9591) / 12090 (5495)		28	
33/26	31/33	31/25	28/31	29	
33/32	38/33	31/30	35/31	30	
22242 (13445) / 18100 (6505)		22156 (10071) / 17709 (8049)		31	
25484 (11584) / 11888 (5403)		25394 (11542) / 12090 (5495)		32	
2400		2400		33	
24.7		24.7		34	
39303 (17828)		42483 (19310)		35	
40158 (21284) / 5194 (2361)		72910 (33141) / 5573 (2533)		36	
19675 / 19628		19245 / 22008		37	
12.00-20 20PR		12.00-20 20PR		38	
12.00-20 20PR		12.00-20 20PR		39	
129.9 (3300)		129.9 (3300)		40	
89.6 (2276)		89.6 (2276)		41	
78.74 (2001)		78.74 (2001)		42	
8.94 (227)		8.94 (227)		43	
13.6 (346)		13.6 (346)		44	
Foot/Air		Foot/Air		45	
Hand/Mechanical		Hand/Mechanical		46	
6BLPG	QSB6.7	6BLPG	QSB6.7	47	
155		155		48	
6 (360)	6 (409)	6 (360)	6 (409)	49	
Powershift		Powershift		50	
76		76		51	
24.6 (93)		24.6 (93)			
32 (122)		32 (122)			
Torque Converter		Torque Converter			

GENERAL

WHEELS

DIMENSIONS

PERFORMANCE

WEIGHTS

MOTORS

Transmission

The three-speed automatic transmission has constant mesh gearing and a high ratio torque converter to multiply engine torque and cushion the drive train. Hydraulic multiple disc clutch packs ensure smooth direction, range selection and long life. The truck has individual pedals for inching and braking. The external control valve is easy to service. This fully electronic transmission has diagnostic and set-up capability with a lap-top computer. A neutral start switch is standard. An optional Foot Directional Control (FDC) provides direction change in lieu of column shifter.

Hydraulic System

The tandem hydraulic pumps operate at 3000 PSI. All hydraulic fittings include O-Ring Face Seal (ORFS). Small hydraulic lines and components allow for easy maintenance access. Electro mechanical solenoids allow precise control of oil flow during hoist and tilt functions and provide excellent load control.

Hydrostatic Steering

The hydrostatic system requires no mechanical drag link steering connections and components. Steering is actuated with a steer pump that controls a two-way cylinder bolted to the steer axle

with eight bolts. The steer axle frame is made of high strength ductile cast steel. The adjustment free tie rods are made of T-1 steel. Tapered roller bearings are used with the heavy-duty spindles. Load sensing steering provides optimum performance at all engine speeds by giving priority to steering.

Chassis

A rugged unitized frame structure is designed for tough, demanding applications with a low step height for easy entry and exit. Side plates are 1/2" (20mm) thick. Mast is mounted to the frame, not the drive axle.

Masts

Yale Hi-Vis Simplex and Triplex masts afford operators outstanding visibility. Nested channel design incorporates full-face load rollers for durability. Rolled mast channels and formed cross-members provide high strength. Leaf-type chain provides superior strength.

Carriage

The standard carriage is a pin type, 98.5" wide. Fork spacing ranges from 10.83" inside to inside, 87.4" outside to outside with a 3.3" diameter fork pin. The carriage is equipped with six angled load rollers.

Brakes

The brakes are "S-cam" power-assisted air type. A separate air compressor air filter provides filtration for the brake system under all operating conditions. An optional extended life wet disc brake axle with dry disc park brake is available.

Electrical

24-volt system with single colored wiring numbered for easy identification. Standard 12-volt accessory converter for optional electrical devices.

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

This truck meets all design specifications of ANSI B56.1 Safety Standard for Powered Industrial Trucks at the time of manufacture. Classified by Underwriters' Laboratories, Inc. as to fire hazard only for type E and EE (optional) industrial trucks.

The Yale products included in this document may be covered by US patent 6,684,148 and other patents pending.

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