

# GP300-360EC

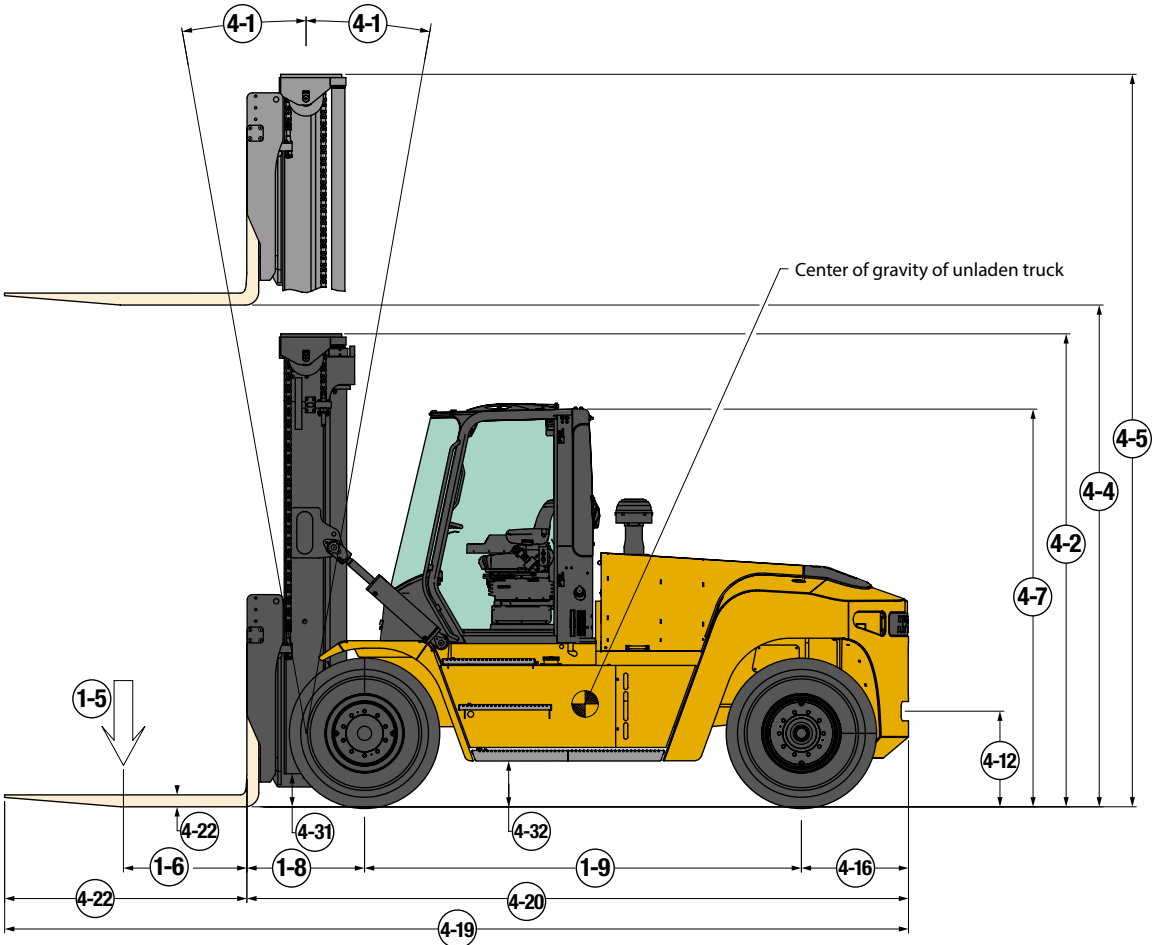
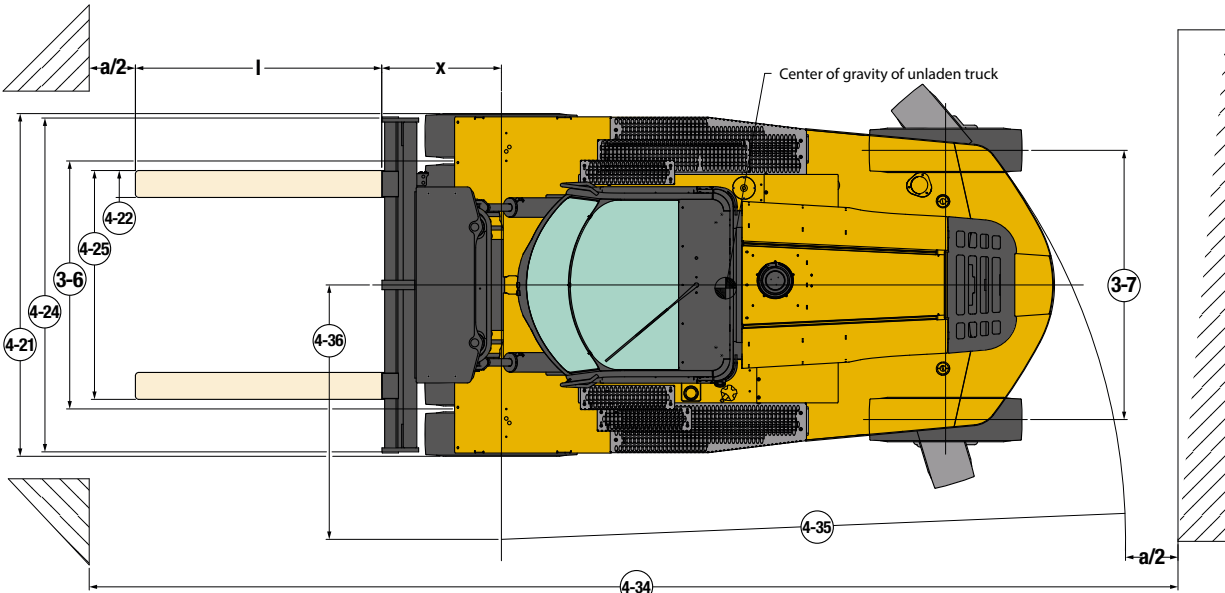
## Counterbalanced Forklift Trucks

**30,000 / 33,000 / 36,000 lbs.**

- Optimal productivity with low fuel consumption
- Outstanding maneuverability to meet the demands of tough application in lumber, concrete and heavy cargo industries
- Designed for versatility with multiple attachments including tire handlers, paper roll clamps and concrete clamps



## Truck Dimensions



## General Specifications GP300EC / GP330EC

GENERAL	1-1	Manufacturer				YALE				YALE				
	1-2	Model designation				GP300EC				GP330EC				
	1-3	Powertrain / drivetrain				Diesel				Diesel				
	1-4	Operator type				Seated				Seated				
WT.	1-5	Rated capacity / rated load	Q	lbs	kg	30,000		13,608		33,000		14,969		
	1-6	Load center distance	c <sub>1</sub>	in	mm	24		610		24		610		
	1-8	Load distance	x	in	mm	35		889		35		889		
	1-9	Wheelbase	y	in	mm	130		3,300		130		3,300		
WHEELS	2-1	Service weight		lbs	kg	39,286		17,820		41,061		18,625		
	2-2	Axle loading with load, front / rear		lbs	kg	64,117	29,083	5,169	2,345	68,440	31,044	5,621	2,550	
	2-3	Axle loading without load, front / rear		lbs	kg	20,493	9,296	18,793	8,524	20,454	9,278	20,607	9,347	
DIMENSIONS	3-1	Tire type				Pneumatic				Pneumatic				
	3-2	Tire size, front				12.00-20 20PR				12.00-20 20PR				
	3-3	Tire size, rear				12.00-20 20PR				12.00-20 20PR				
	3-5	Wheels, number front / rear (x = driven wheels)				x4 / 2				x4 / 2				
PERFORMANCE	3-6	Tread, front	b <sub>10</sub>	in	mm	72.5		1,842		72.5		1,842		
	3-7	Tread, rear	b <sub>11</sub>	in	mm	78.7		2,000		78.7		2,000		
	4-1	Mast tilt, forward / backward	α/β	deg	deg	15° / 12°				15° / 12°				
	4-2	Height, mast lowered	h <sub>1</sub>	in	mm	141		3,568		141		3,568		
	4-3	Free lift (top of forks)	h <sub>2</sub>	in	mm	0		0		0		0		
	4-4	Lift (top of forks)	h <sub>3</sub>	in	mm	147		3,750		147		3,750		
	4-5	Height, mast extended	h <sub>4</sub>	in	mm	213		5,398		213		5,398		
	4-7	Height of overhead guard (open cab)	h <sub>6</sub>	in	mm	120.2		3,053		121		3,053		
	4-7-1	Height of overhead guard (closed cab)	h <sub>6</sub>	in	mm	121.6		3,089		121.6		3,089		
	4-7-2	Height of overhead guard (closed cab w/ air cond.)	h <sub>6</sub>	in	mm	122.9		3,122		122.9		3,122		
	4-7-3	Height of overhead guard (closed cab w/ strobe light)	h <sub>6</sub>	in	mm	126.8		3,221		126.8		3,221		
	4-7-4	Height of overhead guard (closed cab w/ work lights)	h <sub>6</sub>	in	mm	129.1		3,280		129.1		3,280		
	4-7-5	Height of overhead guard (closed cab w/ air cond. & strobe light)	h <sub>6</sub>	in	mm	129.7		3,295		129.7		3,295		
	4-8	Seat height to seat point index	h <sub>7</sub>	in	mm	71.6		1,818		71.6		1,818		
	4-19	Overall length	l <sub>1</sub>	in	mm	269		6,828		269		6,828		
	4-20	Length to face of forks	l <sub>2</sub>	in	mm	197		4,998		197		4,998		
	4-21	Overall width	b <sub>2</sub>	in	mm	100		2,541		100		2,541		
	4-22	Fork dimensions ISO 2331	s/e/l	in	mm	3.5 / 8 / 72		90 / 200 / 1,830		3.5 / 8 / 72		90 / 200 / 1,830		
	PERFORMANCE	4-23	Fork carriage type				Standard pin type carriage				Standard pin type carriage			
		4-24	Fork carriage width	b <sub>3</sub>	in	mm	98.3		2,496		98.3		2,496	
4-25-1		Distance between fork-arms, minimum (in-in)	b <sub>5</sub>	in	mm	2.8		70		2.8		70		
4-25-2		Distance between fork-arms, maximum (out-out)	b <sub>5</sub>	in	mm	95.3		2,420		95.3		2,420		
4-30		Sideshift	b <sub>8</sub>	in	mm	0		0		0		0		
4-31		Ground clearance, with load, below mast	m <sub>1</sub>	in	mm	10		245		10		245		
4-32		Ground clearance, center of wheelbase	m <sub>2</sub>	in	mm	13		341		13		341		
4-34		Min. aisle width (add load length and clearance)	Ast	in	mm	215		5,473		215		5,473		
4-35		Outside turning radius	W <sub>a</sub>	in	mm	180		4,584		180		4,584		
CUMMINS QSB 4.5 TIER 4F ENGINE														
5-1		Travel speed, with / without load (1)		mph	km/h	17	27	18	29	17	27	18	29	
5-1-1		Travel speed, with load locked / without load		mph	km/h	On request		On request		On request		On request		
5-2		Lifting speed, with / without load 126cc pump		ft/min	m/s	81	0.41	91	0.46	81	0.41	91	0.46	
5-3		Lowering speed with / without load		ft/min	m/s	98	0.50	94	0.48	98	0.50	94	0.48	
5-5		Drawbar pull - 1 mph   1.6 km/h, with / without load		lbs.	kN	22,900	109	24,100	111	22,800	108	24,000	111	
5-6		Drawbar pull - stall, with / without load		lbs.	kN	25,700	121	26,900	123	25,600	121	26,800	123	
5-7	Gradeability - 1 mph   1.6 km/h, with / without load		%	%	37	37	37	37	34	34	35	35		
5-8	Gradeability - stall, with / without load		%	%	42	42	37	37	39	39	35	35		
CUMMINS QSB 6.7TIER 3 ENGINE														
5-1	Travel speed, with / without load (1)		mph	km/h	17	27	18	29	17	27	18	29		
5-1-1	Travel speed, with load locked / without load		mph	km/h	On request		On request		On request		On request			
5-2	Lifting speed, with / without load 111cc pump		ft/min	m/s	71	0.36	79	0.40	71	0.36	79	0.40		
5-3	Lowering speed with / without load		ft/min	m/s	98	0.50	94	0.48	98	0.50	94	0.48		
5-5	Drawbar pull - 1 mph   1.6 km/h, with / without load		lbs.	kN	20,800	99	22,000	102	20,700	99	21,900	101		
5-6	Drawbar pull - stall, with / without load		lbs.	kN	23,600	111	24,700	114	23,400	111	24,600	114		
5-7	Gradeability - 1 mph   1.6 km/h, with / without load		%	%	33	33	37	37	31	31	35	35		
5-8	Gradeability - stall, with / without load		%	%	38	38	37	37	36	36	35	35		

## General Specifications GP360EC

GENERAL	1-1	Manufacturer					YALE
	1-2	Model designation					GP360EC
	1-3	Powertrain / drivetrain					Diesel
	1-4	Operator type					Seated
	1-5	Rated capacity / rated load	Q	lbs	kg	36,000	16,329
	1-6	Load center distance	c <sub>1</sub>	in	mm	24	610
	1-8	Load distance	x	in	mm	35	889
	1-9	Wheelbase	y	in	mm	130	3,300
WT.	2-1	Service weight		lbs	kg	42,824	19,425
	2-2	Axle loading with load, front / rear		lbs	kg	72,761 33,004	6,064 2,750
	2-3	Axle loading without load, front / rear		lbs	kg	20,412 9,259	22,412 10,166
WHEELS	3-1	Tire type					Pneumatic
	3-2	Tire size, front					12.00-20 20PR
	3-3	Tire size, rear					12.00-20 20PR
	3-5	Wheels, number front / rear (x = driven wheels)					x4 / 2
	3-6	Tread, front	b <sub>10</sub>	in	mm	72.5	1,842
	3-7	Tread, rear	b <sub>11</sub>	in	mm	78.7	2,000
DIMENSIONS	4-1	Mast tilt, forward / backward	α/β	deg	deg		15° / 12°
	4-2	Height, mast lowered	h <sub>1</sub>	in	mm	141	3,568
	4-3	Free lift (top of forks)	h <sub>2</sub>	in	mm	0	0
	4-4	Lift (top of forks)	h <sub>3</sub>	in	mm	147	3,750
	4-5	Height, mast extended	h <sub>4</sub>	in	mm	213	5,398
	4-7	Height of overhead guard (open cab)	h <sub>6</sub>	in	mm	120.2	3,053
	4-7-1	Height of overhead guard (closed cab)	h <sub>6</sub>	in	mm	121.6	3,089
	4-7-2	Height of overhead guard (closed cab w/ air cond.)	h <sub>6</sub>	in	mm	122.9	3,122
	4-7-3	Height of overhead guard (closed cab w/ strobe light)	h <sub>6</sub>	in	mm	126.8	3,221
	4-7-4	Height of overhead guard (closed cab w/ work lights)	h <sub>6</sub>	in	mm	129.1	3,280
	4-7-5	Height of overhead guard (closed cab w/ air cond. & strobe light)	h <sub>6</sub>	in	mm	129.7	3,295
	4-8	Seat height to seat point index	h <sub>7</sub>	in	mm	71.6	1,818
	4-19	Overall length	l <sub>1</sub>	in	mm	269	6,823
	4-20	Length to face of forks	l <sub>2</sub>	in	mm	197	4,998
	4-21	Overall width	b <sub>2</sub>	in	mm	100	2,541
	4-22	Fork dimensions ISO 2331	s/e/l	in	mm	3.5 / 8 / 72	90 / 200 / 1,830
	4-23	Fork carriage type					Standard pin type carriage
	4-24	Fork carriage width	b <sub>3</sub>	in	mm	98	2,496
	4-25-1	Distance between fork-arms, minimum (in-in)	b <sub>5</sub>	in	mm	2.8	70
	4-25-2	Distance between fork-arms, maximum (out-out)	b <sub>5</sub>	in	mm	95.3	2,420
	4-30	Sideshift	b <sub>8</sub>	in	mm	0	0
	4-31	Ground clearance, with load, below mast	m <sub>1</sub>	in	mm	10	245
	4-32	Ground clearance, center of wheelbase	m <sub>2</sub>	in	mm	13	341
	4-34	Min. aisle width (add load length and clearance)	Ast	in	mm	215	5,473
	4-35	Outside turning radius	W <sub>a</sub>	in	mm	180	4,584
PERFORMANCE		PERFORMANCE					CUMMINS QSB6.7 TIER 4F ENGINE
	5-1	Travel speed, with / without load (1)		mph	km/h	17 27	18 29
	5-1-1	Travel speed, with load locked / without load		mph	km/h	On request	On request
	5-2	Lifting speed, with / without load 126cc pump		ft/min	m/s	81 0.41	91 0.46
	5-3	Lowering speed with / without load		ft/min	m/s	98 0.50	94 0.48
	5-5	Drawbar pull - 1 mph   1.6 km/h, with / without load		lbs.	kN	22,500 108	23,900 111
	5-6	Drawbar pull - stall, with / without load		lbs.	kN	25,300 120	26,800 123
	5-7	Gradeability - 1 mph   1.6 km/h, with / without load		%	%	32 32	34 34
	5-8	Gradeability - stall, with / without load		%	%	36 36	34 34
		PERFORMANCE					CUMMINS QSB6.7 TIER 3 ENGINE
	5-1	Travel speed, with / without load (1)		mph	km/h	17 27	18 29
	5-1-1	Travel speed, with load locked / without load		mph	km/h	On request	On request
	5-2	Lifting speed, with / without load 111cc pump		ft/min	m/s	71 0.36	79 0.40
	5-3	Lowering speed with / without load		ft/min	m/s	98 0.50	94 0.48
	5-5	Drawbar pull - 1 mph   1.6 km/h, with / without load		lbs.	kN	20,400 98	21,800 101
	5-6	Drawbar pull - stall, with / without load		lbs.	kN	23,200 111	24,600 113
	5-7	Gradeability - 1 mph   1.6 km/h, with / without load		%	%	29 29	34 34
	5-8	Gradeability - stall, with / without load		%	%	32 32	34 34

## Powertrains

GENERAL	1-1	Manufacturer					Yale
	1-2	Model designation					GP300-360DC
	1-3	Powertrain / drivetrain					Diesel
ENGINE	7-1	Engine manufacturer / model					Cummins / QSB 6.7
	7-1a	EPA / CE compliance				Tier 3 / Stage IIIA	Tier 4F / Stage IV
	7-2	Engine power output according to ISO 1585	hp	kW	155	116	164 122
	7-2-1	Engine power output - Peak	hp	kW	155	116	168 125
	7-3	Governed speed	rpm	1/min			2,300
	7-3-1	Engine torque @rpm (1/min)	lb-ft	N-m	440 @ 1500	597 @ 1,500	540 @ 1500 732 @ 1,500
	7-4	Number of cylinders / displacement	# / in³	# / cm³	6 / 409	6 / 6,700	6 / 409 6 / 6,700
		Turbocharger	Type		Wastegate		Variable geometry, water cooled
	7-8	Alternator output	Amps				120
	7-9	Electrical system voltage	V				24
	7-10	Battery voltage, rated capacity	V / Ah				24 / 102
DRIVE	8-1	Drive control / Transmission	Type / #				Powershift Transmission
	8-2	Transmission manufacturer / type	Type / #				ZF / WG161
	8-4	Transmission speeds forward / backward	#				3 / 3
	8-5	Coupling	Type				Torque Converter
	8-6	Wheel drive / drive axle manufacturer / type	Type / #				Kessler / D81
	8-11	Service brake	Type				Oil immersed (wet) disc
	8-12	Parking brake	Type				Spring applied, dry disc on drive axle
MISC	10-1	Operating pressure for attachments	psi	l	3,263	22.5	3,263 22.5
	10-2	Oil volume for attachments	gal/min	l/min	26.4	100	26.4 100
	10-3	Hydraulic tank capacity	gal	l	37	140	37 140
	10-4	Fuel tank capacity	gal	l	42	158	42 158
	10-4-1	DEF tank capacity	gal	l	NA	NA	5 19
	10-5	Steering design					Hydraulic power steering
	10-6	Number of steering rotation					4.5
	10-7	Sound pressure level at driver's seat (2)	Lpaz	dB(A)			72.3
	10-7-1	Sound power level during the working cycle (2)	Lwaz	dB			106.5
	10-8	Towing coupling, model / type					Yes / Pin

### Notes:

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. Inform your dealer of the nature and condition of the intended operating area when purchasing your Yale® truck.

- (1) Travel speed laden/unladen limited at 15.5 mph / 25 km/h as factory default
- (2) T4 engine based on low mount exhaust.

All capacities are according to EN1459.

All specifications and capacities are valid for trucks equipped with a Yale® container handling spreader for handling ISO containers.

### Notice:

Care must be exercised when handling elevated loads. Operators must be trained and must read, understand and follow the instructions contained in the Operating Manual.

All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer.

Yale products are subject to change without notice.

Lift trucks illustrated may feature optional equipment. Values may vary with alternative configurations.

*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. Certification of compliance with the applicable ANSI standards appears on the lift truck. Performance specifications are for a truck equipped as described under Standard Equipment on this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.*

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

Specification data is based on VDI 2198.

**CE** Safety: This truck conforms to the current EU and ANSI requirements.

## RATED CAPACITY LBS: GP300-330EC @ 24 IN LOAD CENTER

2 stage NFL	4-4 Lift height TOF		4-4 Lift height BOF		4-2 Overall lowered height		4-5 Overall extended height		Mast max roller lap (retracted) (variable lap) 'l_max'		Mast max roller lap (extended) (variable lap) 'l_max'		Mast weight		Standard Pin Type carriage				Apron Pin Type carriage				QD DFSSFP Carriage			
															GP300EC		GP330EC		GP300EC		GP330EC		GP300EC		GP330EC	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg
	108	2750	104	2660	121	3068	174	4398	100	2520	47	1190	5567	2525	30,000	13,600	33,000	15,000	30,000	13,600	33,000	15,000	29,400	13,300	32,400	14,700
	118	3000	114	2910	126	3193	183	4648	105	2645	47	1190	5730	2599	30,000	13,600	33,000	15,000	30,000	13,608	33,000	15,000	29,400	13,300	32,400	14,700
	128	3250	124	3160	131	3318	193	4898	110	2770	47	1190	5900	2676	30,000	13,600	33,000	15,000	30,000	13,608	33,000	15,000	29,400	13,300	32,400	14,700
	137	3500	134	3410	136	3443	203	5148	114	2895	47	1190	6065	2751	30,000	13,600	33,000	15,000	30,000	13,608	33,000	15,000	29,400	13,300	32,400	14,700
	147	3750	144	3660	141	3568	213	5398	119	3020	47	1190	6235	2828	30,000	13,600	33,000	15,000	30,000	13,608	33,000	15,000	29,400	13,300	32,400	14,700
	157	4000	153	3910	146	3693	223	5648	124	3145	47	1190	6398	2902	30,000	13,600	33,000	15,000	30,000	13,608	33,000	15,000	29,400	13,300	32,400	14,700
	177	4500	173	4410	156	3943	243	6148	134	3395	47	1190	6733	3054	30,000	13,600	33,000	15,000	30,000	13,608	33,000	15,000	29,400	13,300	32,400	14,700
	187	4750	183	4660	161	4068	252	6398	139	3520	47	1190	7022	3185	30,000	13,600	33,000	15,000	30,000	13,608	33,000	15,000	29,400	13,300	32,400	14,700
	196	5000	193	4910	166	4193	262	6648	144	3645	47	1190	7194	3263	30,000	13,600	33,000	15,000	30,000	13,608	33,000	15,000	29,400	13,300	32,400	14,700
	216	5500	213	5410	175	4443	282	7148	154	3895	47	1190	7873	3571	29,600	13,400	32,600	14,790	29,600	13,400	32,500	14,740	29,000	13,150	32,300	14,650
	236	6000	232	5910	185	4693	302	7648	164	4145	47	1190	8210	3724	29,200	13,240	32,200	14,600	29,100	13,200	32,000	14,510	29,000	11,570	31,000	14,060
	246	6250	242	6160	190	4818	311	7898	169	4270	47	1190	8384	3803	29,000	13,150	3,900	14,470	28,900	13,100	31,800	14,420	29,000	10,570	23,400	10,610
	255	6500	252	6410	195	4943	321	8148	174	4395	47	1190	8552	3879	28,800	13,060	31,700	14,380	28,600	12,970	31,500	14,290	29,000	9,620	21,200	9,620
	275	7000	272	6910	205	5193	341	8648	183	4645	47	1190	9017	4090	28,300	12,830	31,200	14,150	28,000	12,700	30,900	14,020	29,000	7,940	17,400	7,890

## RATED CAPACITY LBS: GP360EC @ 24 IN LOAD CENTER

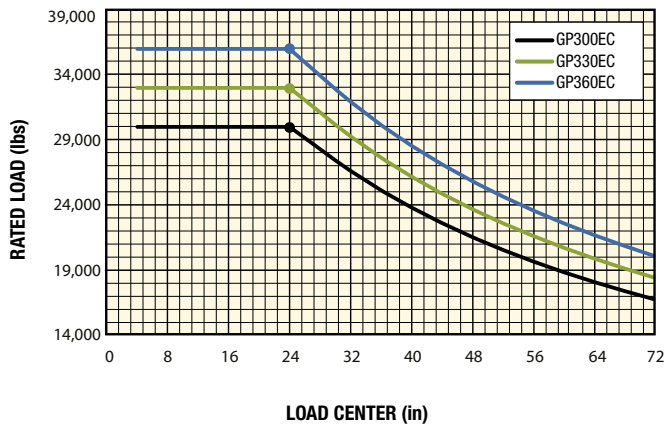
2 stage NFL	4-4 Lift height TOF		4-4 Lift height BOF		4-2 Overall lowered height		4-5 Overall extended height		Mast max roller lap (retracted) (variable lap) 'l_max'		Mast max roller lap (extended) (variable lap) 'l_max'		Mast weight		Standard Pin Type carriage		Apron Pin Type carriage		QD DFSSFP Carriage	
															GP360EC		GP360EC		GP360EC	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg	lbs	kg	lbs	kg	lbs	kg
	108	2750	104	2660	121	3068	174	4398	100	2520	47	1190	5567	2525	36,000	16,330	36,000	16,330	35,400	16,060
	118	3000	114	2910	126	3193	183	4648	105	2645	47	1190	5730	2599	36,000	16,330	36,000	16,330	35,400	16,060
	128	3250	124	3160	131	3318	193	4898	110	2770	47	1190	5900	2676	36,000	16,330	36,000	16,330	35,400	16,060
	137	3500	134	3410	136	3443	203	5148	114	2895	47	1190	6065	2751	36,000	16,330	36,000	16,330	35,400	16,060
	147	3750	144	3660	141	3568	213	5398	119	3020	47	1190	6235	2828	36,000	16,330	36,000	16,330	35,400	16,060
	157	4000	153	3910	146	3693	223	5648	124	3145	47	1190	6398	2902	36,000	16,330	36,000	16,330	35,400	16,060
	177	4500	173	4410	156	3943	243	6148	134	3395	47	1190	6733	3054	36,000	16,330	36,000	16,330	35,400	16,060
	187	4750	183	4660	161	4068	252	6398	139	3520	47	1190	7022	3185	36,000	16,330	36,000	16,330	35,400	16,060
	196	5000	193	4910	166	4193	262	6648	144	3645	47	1190	7194	3263	36,000	16,330	36,000	16,330	35,300	16,010
	216	5500	213	5410	175	4443	282	7148	154	3895	47	1190	7873	3571	35,600	16,150	35,600	16,150	31,400	14,240
	236	6000	232	5910	185	4693	302	7648	164	4145	47	1190	8210	3724	35,100	15,920	35,100	15,920	25,800	11,700
	246	6250	242	6160	190	4818	311	7898	169	4270	47	1190	8384	3803	34,900	15,830	34,800	15,790	23,400	10,610
	255	6500	252	6410	195	4943	321	8148	173	4395	47	1190	8552	3879	34,700	15,740	34,500	15,650	21,000	9,530
	275	7000	272	6910	205	5193	341	8648	183	4645	47	1190	9017	4090	34,200	15,510	33,900	15,380	17,200	7,800

All above capacities are calculated using 48" x 3" x 8" forks

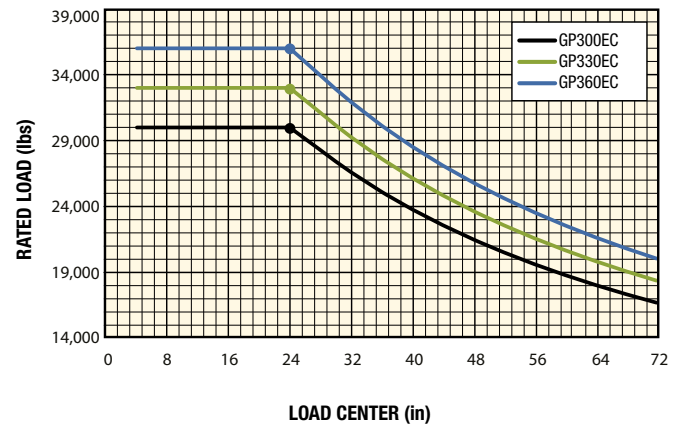


## Capacity Ratings

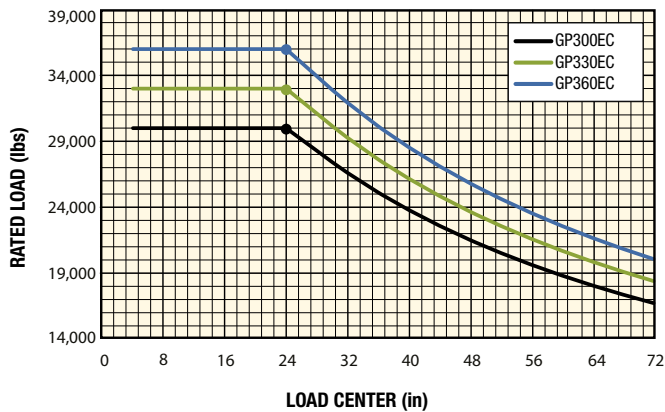
**RATED LOAD VS. LOAD CENTER | STD PIN TYPE  
U.S. CUSTOMARY**



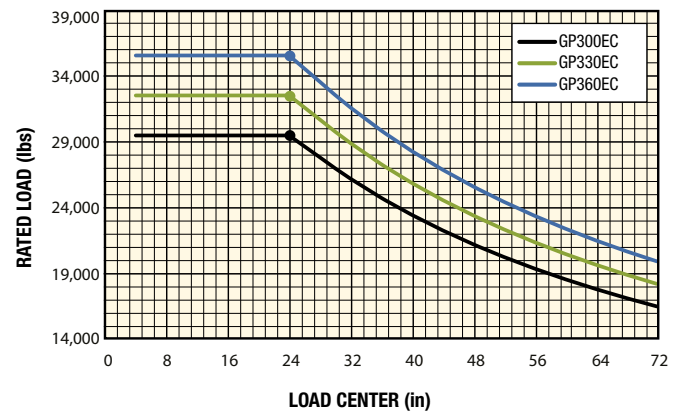
**RATED LOAD VS. LOAD CENTER | PIN TYPE WITH FP  
U.S. CUSTOMARY**



**RATED LOAD VS. LOAD CENTER | INTEGRAL & APRON FP  
U.S. CUSTOMARY**



**RATED LOAD VS. LOAD CENTER | DFSSFP  
U.S. CUSTOMARY**



Conversion Factor: 1.0" = 25.4 mm    1 lb = 0.45 kg

Capacities are calculated using 48" x 3" x 8" forks

Contact your dealer for other capacity information.

## Features and Options

PERFORMANCE	STD	OPT
Cummins QSB 6.7L Tier 4F diesel engine 164 hp (122 kW)*	X	
Cummins QSB 6.7L Tier 3 diesel engine 155.6 hp (116 kW)*	X	
Tier 4 / Stage IV compliant*	X	
Tier 3 / Stage III compliant*	X	
Variable geometry turbocharger, water cooled*	X	
Wastegate turbocharger*	X	
On-demand cooling fan*	X	
120 amp alternator	X	
Powertrain protection system	X	
Heavy duty air intake	X	
Heavy duty air intake (raised)		X
Low mount exhaust (below chassis)*	X	
High mount exhaust		X
ZF Transmission WG161 3-speeds forward/3-speeds reverse auto-shifting	X	
Kessler D81 drive axle with wet disc brakes	X	
LIFT	STD	OPT
111cc Dual Pump Hydraulic System*		X
126cc Dual Pump Hydraulic System*	X	
On-Demand Load Sensing Hydraulic System	X	
Automatic Throttle-up when lifting (in neutral or inching)	X	
Variable lap mast for low roller forces	X	
2 stage Non Free Lift mast	X	
2 Stage Full Free Lift mast		X
3 Stage Full Free Lift mast		X
Mast tilt - 5° Forward / 5° Back		X
Mast tilt - 5° Forward / 6° Back		X
Mast tilt - 5° Forward / 12° Back		X
Mast tilt - 15° Forward / 10° Back		X
Mast tilt - 15° Forward / 12° Back	X	
Mast tilt - 20.5° Forward / 7° Back		X
Hydraulic Accumulator		X
Pressure Compensated Lowering		X
Hydraulic system temperature protection		X
DRIVE	STD	OPT
Traction speed limiter - loaded (adjustable)		X
Travel Speed Limiter pre-set to 10 mph / 16 km/h		X
Travel Speed Limiter pre-set to 12 mph / 20 km/h		X
12.00 - 20 20PR Trelleborg Pneumatic Bias Ply drive and steer tires	X	
12.00 - R20 Michelin XZM Radial drive and steer tires		X
12.00 - R20 Trelleborg Radial drive and steer tires		X
12.00 - 20 Pneumatic Shaped Solid drive and steer tires		X
10.00 - 20 Pneumatic Shaped Solid drive and steer tires		X
Spare wheels and tires		X

HANDLING	STD	OPT
Short Wheelbase (SPED)		X
Mast Tilt Indicator - Mechanical		X
98.5" (2500mm) Pin type carriage with mechanical fork locks	X	
98.3" (2500mm) Pin type carriage with simultaneous and independent fork positioner*	X	
98.3" (2500mm) Apron style sideshift pin type carriage		X
98.3" (2500mm) Apron style sideshift pin type carriage with simultaneous fork positioner		X
98.3" (2500mm) Apron style sideshift pin type carriage with simultaneous and independent fork positioner		X
98.3" (2500mm) QD Hook type dual function sideshift carriage with simultaneous and Independent fork positioner		X
98.3" (2500mm) QD Hook type dual function sideshift carriage with simultaneous fork positioner and 2 auxiliary functions		X
80" (2040mm) High load backrest		X
98" (2500mm) High load stabilizer (for lumber applications)		X
72" Long x 3.5" Thick x 7.9" Wide (1830mm x 90mm x 200mm) Forks	X	
Pin type forks (various sizes)		X
Pin type forks for lumber applications		X
Hook type quick disconnect DFSSFP forks (various sizes)		X
ERGONOMICS	STD	OPT
Open module operator compartment (without doors & screens)	X	
Full steel cab operator compartment		X
Powered tilt operator compartment for service		X
Manual tilt operator compartment for service	X	
Isolated mounting for low noise and vibration	X	
Operator presence system	X	
Mechanical suspension seat	X	
Deluxe air suspension seat		X
Low backrest seat	X	
High backrest seat		X
Cloth seat cover		X
Vinyl seat cover	X	
Seat heating		X
2-point high visibility seatbelt	X	
3-point high visibility seatbelt		X
Floor mat	X	
Coat hook	X	
Front, top and rear wipers		X
"H"-pattern front wiper		X
"I"-pattern front wiper		X
Front and rear window defrosters		X
Laminated glass operator compartment front window		X
Tinted operator compartment windows (all)		X
Tinted operator compartment top window		X



Rain top		X
Lexan top window		X
Plexiglass shield in front of front window		X
Wire mesh installed on top of operator compartment		X
Vertical steel bar front window guard		X
Operator shield wire mesh		X
Multifunction display panel	X	
Mini-lever and rocker switch hydraulic control (integrated in arm rest)	X	
Seat-side joystick hydraulic control		X
Steering wheel without spinner knob	X	
Steering wheel with spinner knob		X
Directional control lever		X
Foot directional control pedal	X	
Directional control switch (integrated in arm rest)		X
Self-setting park brake		X
Manual park brake	X	
Interior wide angle mirrors	X	
Heater with 3 speed fan		X
Diesel fueled cabin heater		X
Telescoping & tilting steering column	X	
DC/DC converter 24 volt/12 volt with socket	X	
DC/DC converter 24 volt/12 volt 2nd 12 volt socket		X
Heavy duty air conditioning		X
Reading light		X
Sun shades on top and rear		X
Trainer seat		X
Recirculation fan		X
Additional operator fan		X
Rear locking console		X
Accessory mounting post		X
Rear locking console in cab		X
Heated top window		X
Radio preparation set-up (wiring, two speakers and antenna)		X
<b>VISIBILITY</b>	<b>STD</b>	<b>OPT</b>
Exterior mirrors mounted to cab		X
Rear view camera system		X
Halogen work lights		X
High Performance LED work lights		X
Two head lights mounted on front fenders		X
Four mast mounted work lights		X
Four cabin mounted work lights		X
Two rearward work lights mounted on the cabin		X

LED stop/tail/brake lights	X	
Turn signals, hazard & marker lights (LED)		X
Turn signals, hazard & marker lights (LED)	X	
<b>OPERATION</b>	<b>STD</b>	<b>OPT</b>
Electric air horn 105 dBA	X	
Visible alarm – Amber strobe light, key switch activated		X
Audible alarm – Reverse direction activated 82–102 dB(A), self-adjusting		X
Forward / reverse motion alarm		X
Seatbelt interlock for engine start and truck operation		X
Hydraulic load weighing system		X
Tire pressure monitoring system		X
Lockable battery disconnect switch		X
Battery jump start connector (NATO plug)		X
"Empty seat" engine shutdown		X
Key switch start	X	
Key switch start with interlock		X
Electric circuit breakers instead of fuses		X
Non-lockable fuel cap	X	
Lockable fuel cap		X
Diesel fuel inlet strainer in filler neck		X
Yale Vision wireless asset management system	X	
Yale Vision wireless asset management - Access / Verification		X
Yale Vision wireless asset management - Monitoring		X
Auto greasing system for basic truck & outer mast		X
Auto greasing system for base truck		X
24 volt electrical system	X	
Engine block heater 110 & 240 volt		X
Steer wheel lug nut protection		X
Front mud flaps		X
Rear mud flaps		X
Lifting eyes - 2 front and 2 rear		X
Wire mesh belly pan		X
Wire mesh and plates belly pan		X
<b>SUPPLEMENTAL</b>	<b>STD</b>	<b>OPT</b>
Literature package	X	
Operator's manual	X	
CE certification		X
U.L. Label - Standard Construction	X	
Warranty: 12 Months / 2,000 Hours Parts & Labor manufacturer's warranty		X
Warranty: 12 Months / 2,000 Hours Parts manufacturer's warranty	X	

\*Standard or optional in selected markets. Other options available through Special Products Engineering Department (SPED). Contact your local Yale® dealer for details.

**RANGE OF 2 STAGE NFL MASTS**



**RANGE OF PIN TYPE AND HOOK TYPE FORKS**



**98.5" PIN TYPE STANDARD CARRIAGE**



## Front End Equipment

### 98.5" PIN TYPE APRON STYLE SIDESHIFT CARRIAGE WITH SIMULTANEOUS AND INDEPENDENT FORK POSITIONER (FOR LUMBER APPLICATIONS)



### 98.5" PIN TYPE CARRIAGE WITH SIMULTANEOUS AND INDEPENDENT FORK POSITIONER



### 98.5" PIN TYPE APRON STYLE SIDESHIFT CARRIAGE




### 98.5" QD HOOK TYPE DUAL FUNCTION SIDESHIFT WITH SIMULTANEOUS AND INDEPENDENT FORK POSITIONER





YALE MATERIALS HANDLING CORPORATION • P.O. Box 7367, Greenville, NC 27835-7367

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*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. 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. Certification of compliance with the applicable ANSI standards appears on the lift truck.*

2275-3I 9/2018 Trucks may be shown with optional equipment.