



GP-DC

PNEUMATIC TIRE TRUCKS

19,000 · 21,000 · 23,000 · 25,000 · 28,000 lbs

Yale® GP-DC Series

The Yale® GP190-280DC pneumatic tire series of lift trucks provides low fuel consumption while delivering a capable truck that exceeds our customers' expectations.

The series features excellent travel and lift speeds for optimal productivity while providing outstanding maneuverability to meet the demands of tough applications in lumber, pipe, pre-stressed concrete, stevedoring, and heavy cargo industries. The trucks are designed for versatility with multiple attachments including tire handlers, paper roll clamps and concrete clamps.

ErgoCab

Yale's ErgoCab is ergonomically designed for maximum operator productivity.

Cab features:

- full-length handrails
- three step entry
- 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 integrated right hand armrest
- wide angle side view mirrors
- blinking red warning lights on steer column
- Operator right hand side 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
- optional air conditioning
- under cab sound insulation
- cab filter for all incoming air
- ten high capacity outlet vents for heating
- twin arm single 39" blade front wiper, rear wiper and top windshield wiper with washer fluid spray
- front and rear screen demisting
- top cover laminated glass

Also available with an enclosed cab option are:

- trainer seat
- reading lights
- storage bin with rear locking console
- radio prep kit
- accessory mounting post

Cab Tilt

The entire cab tilts for complete service access to major powertrain components. Mechanical cab tilt is standard. Powered cab tilt is available as an option.

Cummins QSB 4.5L

The Cummins QSB 4.5L 4 cylinder Tier 4 Final industrial turbo diesel with intercooler advanced electronics and a high-pressure common-rail fuel injection system features higher efficiency engine operation and higher productivity using cooled exhaust gas recirculation (EGR) for low-emission production. Tier 4 Final after-treatment package consists of a selective catalytic reduction (SCR) system requiring the use of diesel exhaust fluid, DEF (urea) injected via a dosing module, and a diesel oxidation catalyst (DOC) for particulate matter (PM) removal. The Tier 4 Final powertrain requires the use of ultra low sulfur diesel (ULSD) fuel and low-ash engine oil.

Exhaust

The GP190-280DC series features low mount exhaust, standard for Tier 4 Final. High mount exhaust is available as an option. For all Tier 3 engine trucks, high mount exhaust is standard.

Air Cleaner

A Sy-Klone™ pre-cleaner with a high air intake for extremely dusty environments has an oversized two-stage air filter and internal back-up filter, including an air cleaner that has an electronic air filter restriction indicator.

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. The radiator is easily accessible by lifting a gas spring actuated louvered door on top of the 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. Heavy duty oil cooled wet disc brakes are standard.

Diesel Tier 4 Final Engine Specifications

Engine	Cummins QSB 4.5L
Cylinders	4
Displacement	275 cu.in./4.5 liter
Torque	460 lb.-ft @ 1500 RPM
Horsepower	164 hp @ 2300 RPM

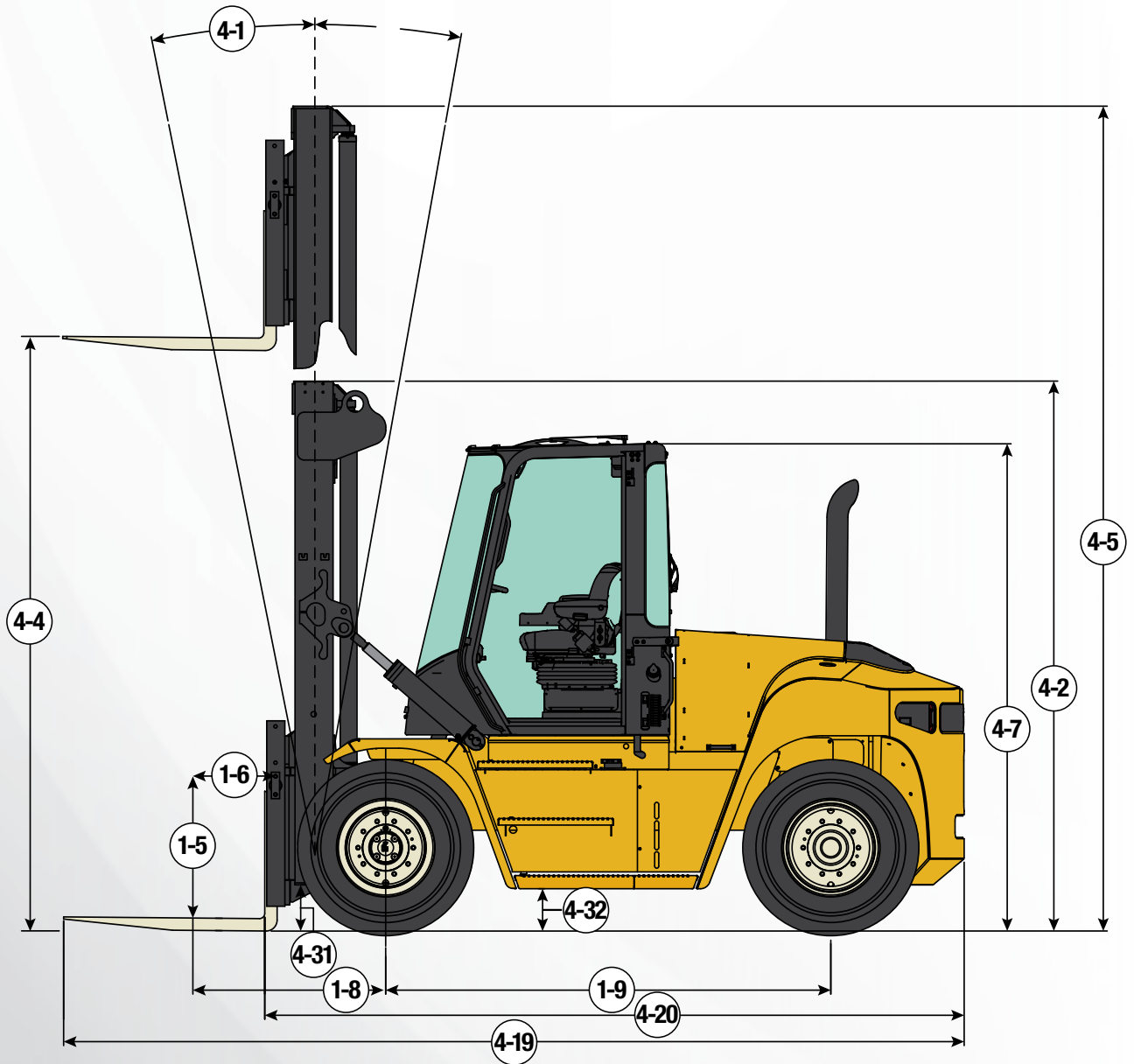
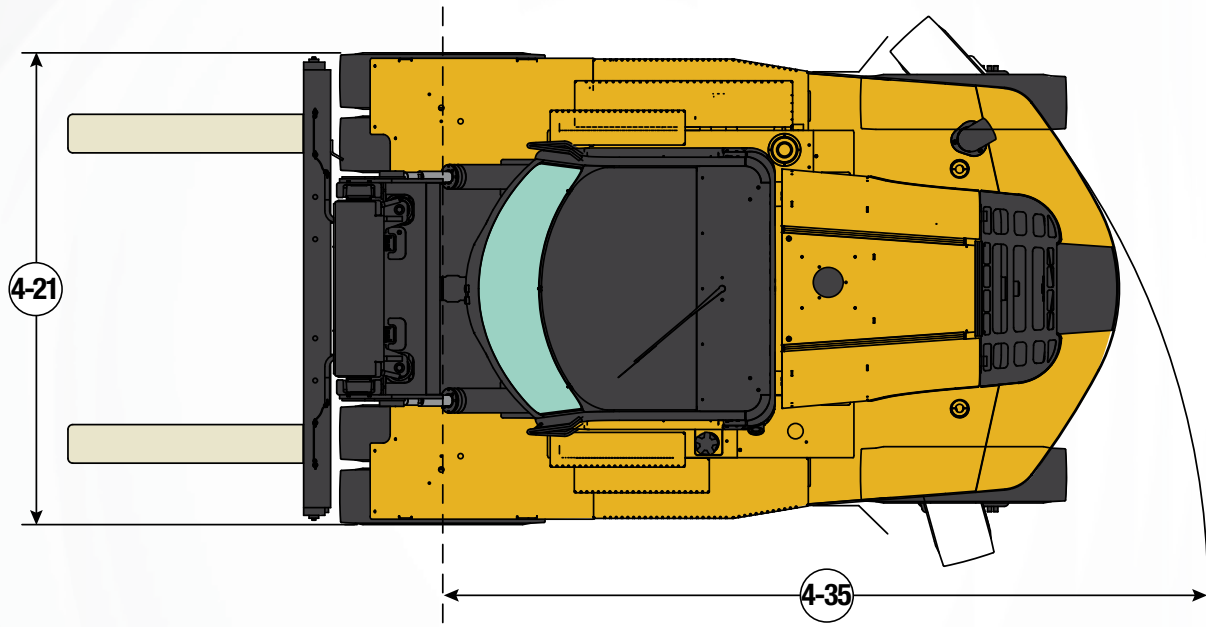
Transmission

Proven ZF WG-161 three-speed automatic transmission has a fully reversing powershift transmission that produces smooth shifting, precise inching and fast acceleration. The key characteristics of the ZF transmission includes 3 forward and 3 reverse gears, a fully automatic gear shift control and powershifts with proportional valves. Inching capability is electronically controlled while a cushioned lock-up provides smooth shifting and dampens drive line shock loads. A simple push button calibration is provided. A standard steer column mounted lever provides the operator with manual shift capabilities and a dash mounted indicator light displays the transmission mode status.

A neutral start switch is standard. An optional foot directional control (FDC) provides direction change in lieu of a column shifter. A transmission lock-out feature prevents high speed directional changes. An engine and transmission protection system provides protection for excessive engine coolant temperature, low engine oil pressure, and excessive engine inlet air temperatures.

(continued on back)





	Description		Units		English	Metric	English	Metric	
	GENERAL	1-1	Manufacturer			YALE	YALE	YALE	YALE
	1-2	Model designation			GP190DC	GP190DC	GP210DC	GP210DC	
	1-5	Rated load capacity	lbs	kg	19,000	8,618	21,000	9,525	
	1-6	Load center	in	mm	24.0	610	24.0	610	
	1-8	Load distance	in	mm	31.0	787	31.0	787	
	1-9	Wheelbase	in	mm	106	2,700	106	2,700	
WEIGHTS	2-1	Total truck weight without load		lbs	kg	28,589	12,968	29,284	13,283
	2-2a	Axle loading with load	front	lbs	kg	43,470	19,718	46,664	21,166
	2-2b		rear	lbs	kg	3,809	1,728	3,564	1,617
	2-3a	Axle loading without load	front	lbs	kg	15,061	6,832	14,984	6,797
	2-3b		rear	lbs	kg	13,528	6,136	14,300	6,486
WHEELS	3-1	Tire type				Pneumatic		Pneumatic	
	3-2	Tire size	front			10.00x20 16PR Bias		10.00x20 16PR Bias	
	3-3		rear			10.00x20 16PR Bias		10.00x20 16PR Bias	
DIMENSIONS	4-1	Mast tilt, forward / back		degrees		15 / 12		15 / 12	
	4-2	Height of mast lowered		in	mm	133	3,353	133	3,353
	4-3	Freelift (Top of Fork)		in	mm	0	0	0	0
	4-4	Lift height (Top of Fork)		in	mm	147	3,750	147	3,750
	4-5	Height of mast extended		in	mm	205	5,196	205	5,196
	4-7	Height to top of operator compartment		in	mm	120	3,048	120	3,048
	4-19	Overall length		in	mm	217	5,516	217	5,516
	4-20	Length to load face		in	mm	169	4,296	169	4,296
	4-21	Overall width over drive tires		in	mm	96	2,438	96	2,438
	4-22a	Fork	thickness	in	mm	3	75	3	75
	4-22b		width	in	mm	8	200	8	200
	4-22c		length	in	mm	48	1,220	48	1,220
	4-24	Carriage width		in	mm	92.5	2,350	92.5	2,350
	4-25a	Fork spread, min (in-in)		in	mm	3	75	3.0	75
	4-25b	Fork spread, max (out-out)		in	mm	89.4	2,270	89.4	2,270
	4-31	Ground clearance, under mast with load		in	mm	10	248	10	254
	4-32	Ground clearance, center of wheelbase		in	mm	10	248	10	248
	4-33	Minimum aisle width (add load length)		in	mm	183	4,647	183	4,647
	4-35	Outside turning radius		in	mm	155	3,937	155	3,937
	MISC	8-7	Hydraulic tank capacity		gal	l	36	136	36
8-8		Fuel tank capacity		gal	l	27	102	27	102
PERFORMANCE	PERFORMANCE				WITH TIER 4 FINAL CUMMINS QSB 4.5L ENGINE				
	5-1a	Travel speed	with load	mph	km/h	19	30	19	30
	5-1b		without load	mph	km/h	20	32	20	32
	5-2a	Lifting speed	with load - 105cc	ft/min	m/s	106	0.54	106	0.54
	5-2b		without load - 105cc	ft/min	m/s	116	0.59	116	0.59
	5-2a	Lifting speed	with load - 120cc	ft/min	m/s	112	0.57	112	0.57
	5-2b		without load - 120cc	ft/min	m/s	136	0.69	136	0.69
	5-3a	Lowering speed	with load	ft/min	m/s	98	0.50	98	0.50
	5-3b		without load	ft/min	m/s	94	0.48	94	0.48
	5-6	Drawbar pull – Max		lbs	kN	23,800	106	23,600	105
	5-7	Gradeability – no load / rated load – 1 mph (1.6 km/h)		%		34 / 46	34 / 46	33 / 46	33 / 46
	PERFORMANCE				WITH TIER 3 CUMMINS QSB 6.7L ENGINE				
	5-1a	Travel speed	with load	mph	km/h	19	30	19	30
	5-1b		without load	mph	km/h	20	32	20	32
	5-2a	Lifting speed	with load - 90cc	ft/min	m/s	93	0.47	93	0.47
	5-2b		without load - 90cc	ft/min	m/s	100	0.51	100	0.51
	5-2a	Lifting speed	with load - 120cc	ft/min	m/s	108	0.55	108	0.55
	5-2b		without load - 120cc	ft/min	m/s	136	0.69	136	0.69
	5-3a	Lowering speed	with load	ft/min	m/s	98	0.50	98	0.50
	5-3b		without load	ft/min	m/s	94	0.48	94	0.48
5-6	Drawbar pull - Max		lbs	kN	23,000	102	24,400	109	
5-7	Gradeability no load / rated load - 1 mph (1.6 km/h)		%		34 / 50	34 / 50	33 / 46	33 / 46	

Note: Tier 3 engines are available in Latin America and Canada only. Tier 3 engines are not available in the U.S.

	Description		Units		English	Metric	English	Metric		
	GENERAL	1-1	Manufacturer			YALE	YALE	YALE	YALE	
	1-2	Model designation			GP230DCS	GP230DCS	GP230DC	GP230DC		
	1-5	Rated load capacity	lbs	kg	23,000	10,433	23,000	10,433		
	1-6	Load center	in	mm	24.0	610	24.0	610		
	1-8	Load distance	in	mm	32.0	813	32.0	813		
	1-9	Wheelbase	in	mm	106	2,700	114	2,900		
WEIGHTS	2-1	Total truck weight without load		lbs	kg	33,663	15,269	33,416	15,157	
	2-2a	Axle loading with load	front	lbs	kg	51,988	23,581	51,383	23,307	
	2-2b		rear	lbs	kg	4,602	2,087	4,961	2,250	
	2-3a	Axle loading without load	front	lbs	kg	17,078	7,746	17,299	7,847	
	2-3b		rear	lbs	kg	16,584	7,522	16,116	7,310	
WHEELS	3-1	Tire type				Pneumatic		Pneumatic		
	3-2	Tire size	front			10.00x20 16PR Bias		10.00x20 16PR Bias		
	3-3		rear			10.00x20 16PR Bias		10.00x20 16PR Bias		
DIMENSIONS	4-1	Mast tilt, forward / back		degrees		15 / 12		15 / 12		
	4-2	Height of mast lowered		in	mm	143	3,628	143	3,628	
	4-3	Freelift (Top of Fork)		in	mm	0	0	0	0	
	4-4	Lift height (Top of Fork)		in	mm	148	3,761	148	3,761	
	4-5	Height of mast extended		in	mm	216	5,468	216	5,468	
	4-7	Height to top of operator compartment		in	mm	120	3,048	120	3,048	
	4-19	Overall length		in	mm	218	5,542	226	5,742	
	4-20	Length to load face		in	mm	170	4,322	178	4,522	
	4-21	Overall width over drive tires		in	mm	96	2,438	96	2,438	
	4-22a	Fork	thickness	in	mm	3	75	3	75	
	4-22b		width	in	mm	8	200	8	200	
	4-22c		length	in	mm	48	1,220	48	1,220	
	4-24	Carriage width		in	mm	92.5	2,350	92.5	2,350	
	4-25a	Fork spread, min (in-in)		in	mm	3.0	75	3.0	75	
	4-25b	Fork spread, max (out-out)		in	mm	89.4	2,270	89.4	2,270	
	4-31	Ground clearance, under mast with load		in	mm	9	229	9	229	
	4-32	Ground clearance, center of wheelbase		in	mm	11	292	11	292	
	4-33	Minimum aisle width (add load length)		in	mm	185	4,697	192	4,879	
	4-35	Outside turning radius		in	mm	155	3,937	162	4,111	
	MISC	8-7	Hydraulic tank capacity		gal	l	36	136	36	136
		8-8	Fuel tank capacity		gal	l	27	102	27	102
PERFORMANCE	PERFORMANCE				WITH TIER 4 FINAL CUMMINS QSB 4.5L ENGINE					
	5-1a	Travel speed	with load	mph	km/h	19	30	19	30	
	5-1b		without load	mph	km/h	20	32	20	32	
	5-2a	Lifting speed	with load - 105cc	ft/min	m/s	79	0.40	79	0.40	
	5-2b		without load - 105cc	ft/min	m/s	89	0.45	89	0.45	
	5-2a	Lifting speed	with load - 120cc	ft/min	m/s	87	0.44	87	0.44	
	5-2b		without load - 120cc	ft/min	m/s	102	0.52	102	0.52	
	5-3a	Lowering speed	with load	ft/min	m/s	98	0.50	98	0.50	
	5-3b		without load	ft/min	m/s	94	0.48	94	0.48	
	5-6	Drawbar pull – Max		lbs	kN	23,400	104	23,400	104	
	5-7	Gradeability – no load / rated load – 1 mph (1.6 km/h)		%		32 / 43	32 / 43	34 / 43	34 / 43	
	PERFORMANCE				WITH TIER 3 CUMMINS QSB 6.7L ENGINE					
	5-1a	Travel speed	with load	mph	km/h	19	30	19	30	
	5-1b		without load	mph	km/h	20	32	20	32	
	5-2a	Lifting speed	with load - 90cc	ft/min	m/s	71	0.36	71	0.36	
	5-2b		without load - 90cc	ft/min	m/s	77	0.39	77	0.39	
	5-2a	Lifting speed	with load - 120cc	ft/min	m/s	83	0.42	83	0.42	
	5-2b		without load - 120cc	ft/min	m/s	102	0.52	102	0.52	
	5-3a	Lowering speed	with load	ft/min	m/s	98	0.50	98	0.50	
	5-3b		without load	ft/min	m/s	94	0.48	94	0.48	
	5-6	Drawbar pull - Max		lbs	kN	24,300	108	24,300	108	
5-7	Gradeability no load / rated load - 1 mph (1.6 km/h)		%		32 / 40	32 / 40	34 / 40	34 / 40		

Note: Tier 3 engines are available in Latin America and Canada only. Tier 3 engines are not available in the U.S.

	Description		Units		English	Metric	English	Metric		
	GENERAL	1-1	Manufacturer			YALE	YALE	YALE	YALE	
	1-2	Model designation			GP250DC	GP250DC	GP280DC	GP280DC		
	1-5	Rated load capacity	lbs	kg	25,000	11,340	28,000	12,701		
	1-6	Load center	in	mm	24.0	610	24.0	610		
	1-8	Load distance	in	mm	32.0	813	32.0	813		
	1-9	Wheelbase	in	mm	114	2,900	114	2,900		
WEIGHTS	2-1	Total truck weight without load		lbs	kg	33,801	15,332	35,301	16,012	
	2-2a	Axle loading with load	front	lbs	kg	54,292	24,626	59,037	26,779	
	2-2b		rear	lbs	kg	4,422	2,006	4,482	2,033	
	2-3a	Axle loading without load	front	lbs	kg	17,258	7,828	17,088	7,751	
	2-3b		rear	lbs	kg	16,543	7,504	18,212	8,261	
WHEELS	3-1	Tire type				Pneumatic		Pneumatic		
	3-2	Tire size	front			10.00x20 16PR Bias		10.00x20 16PR Bias		
	3-3		rear			10.00x20 16PR Bias		10.00x20 16PR Bias		
DIMENSIONS	4-1	Mast tilt, forward / back		degrees		15 / 12		15 / 12		
	4-2	Height of mast lowered		in	mm	143	3,628	143	3,628	
	4-3	Freelift (Top of Fork)		in	mm	0	0	0	0	
	4-4	Lift height (Top of Fork)		in	mm	148	3,761	148	3,761	
	4-5	Height of mast extended		in	mm	215	5,468	215	5,468	
	4-7	Height to top of operator compartment		in	mm	120	3,048	120	3,048	
	4-19	Overall length		in	mm	226	5,742	226	5,742	
	4-20	Length to load face		in	mm	178	4,522	178	4,522	
	4-21	Overall width over drive tires		in	mm	96	2,438	96	2,438	
	4-22a	Fork	thickness	in	mm	3	75	3	75	
	4-22b		width	in	mm	8	200	8	200	
	4-22c		length	in	mm	48	1,220	48	1,220	
	4-24	Carriage width		in	mm	92.5	2,350	92.5	2,350	
	4-25a	Fork spread, min (in-in)		in	mm	3.0	75	3.0	75	
	4-25b	Fork spread, max (out-out)		in	mm	89.4	2,270	89.4	2,270	
	4-31	Ground clearance, under mast with load		in	mm	9	229	9	229	
	4-32	Ground clearance, center of wheelbase		in	mm	11	292	11	292	
	4-33	Minimum aisle width (add load length)		in	mm	192	4,879	192	4,879	
	4-35	Outside turning radius		in	mm	162	4,111	162	4,111	
	MISC	8-7	Hydraulic tank capacity		gal	l	36	136	36	136
		8-8	Fuel tank capacity		gal	l	27	102	27	102
PERFORMANCE	PERFORMANCE				WITH TIER 4 FINAL CUMMINS QSB 4.5L ENGINE					
	5-1a	Travel speed	with load	mph	km/h	19	30	19	30	
	5-1b		without load	mph	km/h	20	32	20	32	
	5-2a	Lifting speed	with load - 105cc	ft/min	m/s	79	0.40	79	0.40	
	5-2b		without load - 105cc	ft/min	m/s	89	0.45	89	0.45	
	5-2a	Lifting speed	with load - 105cc	ft/min	m/s	87	0.44	87	0.44	
	5-2b		without load - 105cc	ft/min	m/s	102	0.52	102	0.52	
	5-3a	Lowering speed	with load	ft/min	m/s	98	0.50	98	0.50	
	5-3b		without load	ft/min	m/s	94	0.48	94	0.48	
	5-6	Drawbar pull – Max		lbs	kN	24,300	108	24,200	108	
	5-7	Gradeability – no load / rated load – 1 mph (1.6 km/h)		%		33 / 41	33 / 41	31 / 48	31 / 48	
	PERFORMANCE				WITH TIER 3 CUMMINS QSB 6.7L ENGINE					
	5-1a	Travel speed	with load	mph	km/h	19	30	19	30	
	5-1b		without load	mph	km/h	20	32	20	32	
	5-2a	Lifting speed	with load - 90cc	ft/min	m/s	71	0.36	71	0.36	
	5-2b		without load - 90cc	ft/min	m/s	77	0.39	77	0.39	
	5-2a	Lifting speed	with load - 120cc	ft/min	m/s	83	0.42	83	0.42	
	5-2b		without load - 120cc	ft/min	m/s	102	0.52	102	0.52	
	5-3a	Lowering speed	with load	ft/min	m/s	98	0.50	98	0.50	
	5-3b		without load	ft/min	m/s	94	0.48	94	0.48	
	5-6	Drawbar pull - Max		lbs	kN	22,900	102	22,800	101	
5-7	Gradeability no load / rated load - 1 mph (1.6 km/h)		%		33 / 38	33 / 38	31 / 35	31 / 35		

Note: Tier 3 engines are available in Latin America and Canada only. Tier 3 engines are not available in the U.S.

Hydraulic System

On-demand hydraulics using variable displacement pumps is used for high efficiency and low fuel consumption. For Tier 4 Final trucks, standard hydraulic performance features a tandem 60cc + 45cc (a total of 105cc) dual variable displacement pump arrangement. Optional high performance hydraulic system features dual tandem 60cc variable displacement pumps (total of 120cc) providing leading performance for high productivity. For Tier 3 trucks, the standard hydraulic performance features a single 90cc variable displacement pump. Optional high performance hydraulic system features dual tandem 60cc variable displacement pumps (total of 120cc). The main hydraulic valve integrates all hydraulic functions into one assembly. Electro-mechanical solenoids allow precise control of oil flow during hoist and tilt functions and provide excellent load control. Diagnostic error codes allow for easy troubleshooting by a trained service technician.

Hydrostatic Steering

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

Chassis

A rugged unitized frame structure is designed for tough, demanding applications with a low step height for easy entry and exit. Mast is mounted to the frame, not the drive axle.

Masts

Yale Hi-Vis™ simplex and triplex masts afford operators good visibility. C-channel design incorporates full-face load rollers for durability. Rolled mast channels and formed cross-members provide high strength. Leaf-type chain provides exceptional strength.

Carriage

The pin type standard carriage is 92.5" wide. Fork spacing ranges from 3" inside to inside, 89.4" outside to outside, with a 3.0" diameter fork pin.

Brakes

Wet disc brake axle with dry disc park brake is standard.

Electrical

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

Options

Tier 3 QSB 6.7L engine (for select markets)
 Mast lift heights ranging from 147" through 264" for 2-stage masts and 220" through 275" for 3-stage masts
 Sideshifting carriages and fork positioners
 Various fork options and lengths
 Multiple mast tilt ranges
 Multifunction joystick
 Foot direction control (FDC) pedal
 Radial and pneumatic-shaped solid tires
 Enclosed cab, with or without air conditioning
 Various interior cabin options
 Multiple seat options
 2 and 3-point high visibility seat belts
 Powered tilting operator compartment for service access
 High mount exhaust

Options (continued)

Visible alarm / amber strobe light
 Audible backup alarm
 Various LED, halogen and high intensity discharge (HID) xenon light kits
 Lockable fuel cap
 Lockable battery disconnect switch
 Hydraulic accumulator
 Various traction speed limiters
 Empty seat engine shutdown – adjustable from 3-15 minutes (preset to 15 minutes)
 Lifting eyes
 Steer wheel lug protection
 Engine block heater

GP190-210DC MAST DIMENSIONS							
4.4 Lift height (Top of Fork)		4.2 Mast Lowered Height		4.3 Freelif (Top of Fork)		4.5 Overall Extended Height	
in	mm	in	mm	in	mm	in	mm
2-STAGE NO FREE-LIFT (NO FL)							
148	3761	133	3353	0	0	205	5196
183	4650	150	3803	0	0	240	6096
212	5400	165	4179	0	0	270	6846
3-STAGE							
220	5590	120	3045	56	1425	277	7030
235	5990	126	3178	61	1558	293	7430
255	6490	132	3345	67	1725	313	7930
275	6990	139	3511	74	1891	332	8420

GP230-280DC MAST DIMENSIONS							
4.4 Lift height (Top of Fork)		4.2 Mast Lowered Height		4.3 Freelif (Top of Fork)		4.5 Overall Extended Height	
in	mm	in	mm	in	mm	in	mm
2-STAGE NO FREE-LIFT (NO FL)							
148	3761	143	3628	0	0	216	5468
183	4661	161	4078	0	0	251	6368
213	5411	176	4453	0	0	281	7118
244	6205	192	4853	0	0	312	7918
264	6705	202	5116	0	0	332	8420
3-STAGE							
220	5600	120	3045	56	1435	277	7030
236	6000	126	3178	61	1568	293	7430
255	6500	132	3345	68	1735	313	7930
275	7000	139	3511	74	1901	332	8430

	POWERTRAIN	UNITS	TIER 4 FINAL	TIER 3*
1-3	Power type		Diesel	Diesel
7-1	Engine Manufacturer / model		Cummins QSB 4.5L	Cummins QSB 6.7L
7-1a	EPA Tier Compliance		Tier 4 Final	Tier 3
7-2a	Engine power output - Rated	hp (kW)	160 (119)	155 (116)
7-2b	Engine power output - Peak	hp (kW)	164 (122)	155 (116)
7-3	Governed speed	rpm	2,300	2,300
7-4	Number of cylinders / displacement	# / l	4 / 4.5	6 / 6.7
7-5	Engine torque - Max	lb-ft (N-m)	460 (624)	443 (600)
7-5a	Turbocharger	Type	Variable Geometry, Water Cooled	Wastegate
7-9	Alternator output	Amps	120	120
8-0	Transmission Manufacturer / model		ZF WG-161	ZF WG-161
8-1	Transmission type & speeds		Powershift 3F x 3R	Powershift 3F x 3R
8.1a	Drive Axle Manufacturer / model		AxleTech PRC 485	AxleTech PRC 485
5-10	Service brake		Oil immersed (wet) disc	Oil immersed (wet) disc
5-11	Park brake		Spring apply, dry disc	Spring apply, dry disc
10-4-11	DEF Tank, Capacity	gal (l)	5.0 (19.0)	Not Required

* optional engine - Tier 3 (limited availability for Canada markets only)



YALE MATERIALS HANDLING CORPORATION
 P.O. Box 7367, Greenville, NC 27835-7367
 www.yale.com

Yale is a Registered Trademark and is a Registered Copyright.
 ©Yale Materials Handling Corporation 2015. All Rights Reserved.

Manufactured in our own ISO 9001 and 14001 Registered Facilities

2275-2F 6/2015 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® 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 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.