IC-PNEUMATIC

Pneumatic Tire Lift Trucks
LPG/Dual Fuel/Diesel

CMP**20**	4,000 lbs 2000 kg
CMP**25**	5,000 lbs 2500 kg
CMP**30**	6,000 lbs 3000 kg

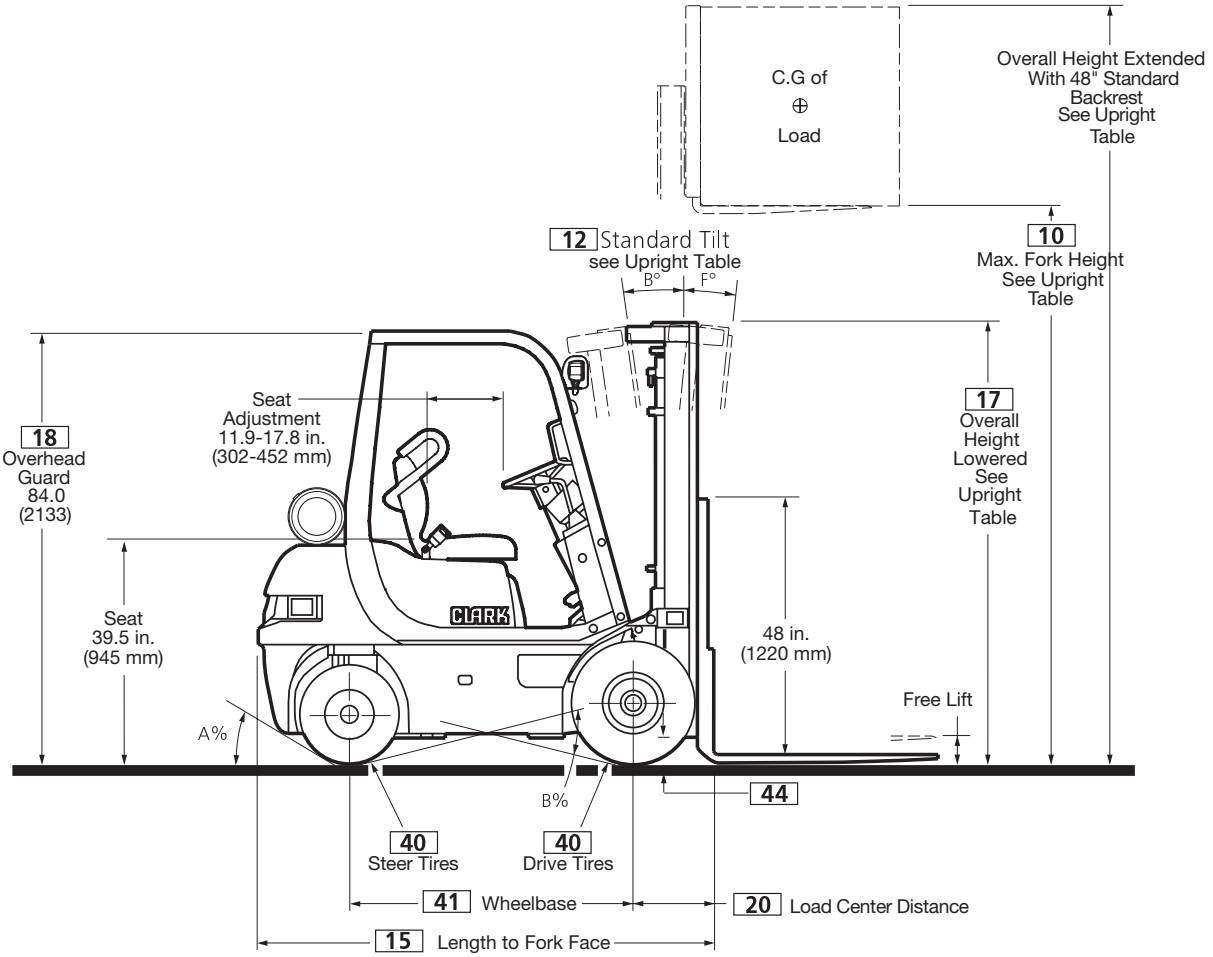
CMP20/25/30

M Series

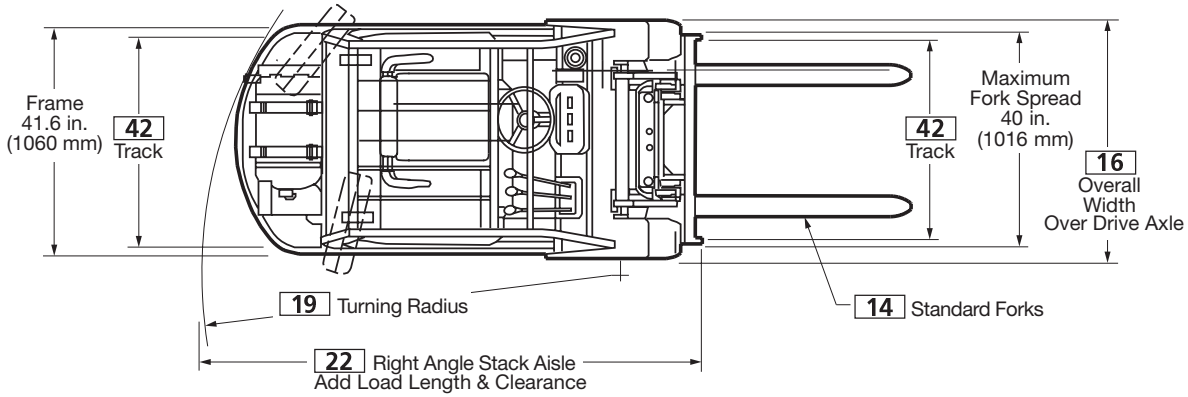
CLARK®
BUILT TO LAST.®

w w w . c l a r k m h c . c o m

For corresponding data see Specification Chart.



CMP20/25/30



SPECIFICATIONS

General Information	1	Manufacturer			Clark	Clark
	2	Model	Manufacturer's Designation		CMP20	CMP25
	3	Load Capacity		lbs(kg)	4000 (2000)	5000 (2500)
	4	Load Center	Fork Face Load CG	in(mm)	24 (500)	24 (500)
	5	Drive Unit	Type		LPG	LPG
	6	Operator Type			Rider Counterbalanced	Rider Counterbalanced
	7	Tire Type			Pneumatic	Pneumatic
	8	Wheels (x=driven)	Front/Rear		2x / 2	2x / 2
Basic Dimensions	9	Upright	Maximum Fork Height, Full Capacity	in(mm)	137 (3500)	137 (3500)
	10		Lift Height (preferred standard upright)	in(mm)	130 (3300)	130 (3300)
	11		Free Lift	in(mm)	4.1 (105)	4.1 (105)
	12	Upright Tilt	Back/Forward (see tilt specifications)	degrees	10 / 8	10 / 8
	14	Fork	Std. Fork Size (T x W x L)	in(mm)	1.8 x 4 x 42 (40 x 100 x 1070)	1.8 x 4 x 42 (40 x 100 x 1070)
	15	Overall Dimensions	Length to Fork Face	in(mm)	100.2 (2545)	101.6 (2580)
	16		Width	in(mm)	47.6 (1210)	47.6 (1210)
			Height, Upright Lowered	in(mm)	88.4 (2245)	88.4 (2245)
			Height, Upright Extended w/load back rest	in(mm)	178 (4520)	178 (4520)
	18		Height, overhead guard	in(mm)	84 (2133)	84 (2133)
	19	Turning Radius		in(mm)	92.5 (2350)	94.1 (2390)
	20	Load Center Distance	Center of Drive Axle to Fork Face	in(mm)	17.7 (450)	17.7 (450)
	22	Right Angle Stack Aisle	Add Load Length and Clearance	in(mm)	110.2 (2800)	111.8 (2840)
Performance[1]	23	Stability	According to ANSI B56.1		Yes	Yes
	24	Speeds	Travel Speed, Max w/ Load	mph(kph)	12.6 (20.3)	12.6 (20.3)
	25		Travel Speed, Max w/o Load	mph(kph)	12.8 (20.6)	12.8 (20.6)
		Speed on Grade, Loaded	5%	mph(kph)	11.2 (18.1)	10.5 (16.9)
			10%	mph(kph)	5.8 (9.3)	5.0 (8.0)
			15%	mph(kph)	3.7 (5.9)	3.0 (4.8)
	26	Lift Speeds, Loaded/Empty	Standard Upright	fpm(ms)	102/110 (.52/.56)	98/110 (.50/.56)
	28		Triple Stage Upright	fpm(ms)	102/110 (.52/.56)	98/110 (.50/.56)
	29	Lower Speeds, Loaded/Empty	Standard Upright	fpm(ms)	100/100 (.51/.51)	100/100 (.51/.51)
			Triple Stage Upright	fpm(ms)	100/100 (.51/.51)	100/100 (.51/.51)
	30	Drawbar Pull, Maximum	With Load	lbs(N)	3,238 (14406)	3,251 (14465)
	31		Without Load	lbs(N)	2,187 (9731)	2,121 (9437)
	32	Gradeability	At 1 mph (1.6 kph) with Load	%	25.0	21.9
			Maximum with/without Load	%	27.7 / 22.2	24.3 / 20.3
Weights[1]	34	Service weight		lbs(kg)	7,747 (3514)	8,254 (3744)
	35	Axle loading	With Load, Front	lbs(kg)	10,256 (4824)	11,802 (5568)
	36		With Load, Rear	lbs(kg)	1,491 (691)	1,452 (677)
	37		W/O Load, Front	lbs(kg)	3,642 (1652)	3,534 (1603)
	38		W/O Load, Rear	lbs(kg)	4,105 (1862)	4,720 (2141)
Chassis	39	Tires	Number, Front/Rear		2 / 2	2 / 2
	40		Size, Front	in	7.00 x 12 - 14 ply rating	7.00 x 12 - 14 ply rating
			Size, Rear	in	6.50 x 10 - 10 ply rating	6.50 x 10 - 10 ply rating
	41	Wheelbase		in(mm)	63.8 (1620)	63.8 (1620)
	42	Track	Front/Rear	in(mm)	39.6/36.9 (1006/938)	39.6/36.9 (1006/938)
	44	Ground Clearance	Minimum/at Center of Wheelbase	in(mm)	4.7/6.9 (120/175)	4.7/6.9 (120/175)
	46	Service Brake	Type		Hydraulic Drum and Shoe	Hydraulic Drum and Shoe
	47	Parking Brake	Actuation		Hand	Hand
		Steering	Type		Hydrostatic	Hydrostatic
Drive Line	49	Engine	Manufacturer/Model		Mitsubishi 4G64	Mitsubishi 4G64
	51		Rated Output	HP/kW @ rpm	47.5/35.4 @ 2250	47.5/35.4 @ 2250
			Torque	lb-ft/Nm @ rpm	120/163 @ 1600	120/163 @ 1600
	52		Speed, max Governed	rpm	2600	2600
	53		Cylinders/Displacement	cu. in.-Liters	4 / 143-2.4	4 / 143-2.4
	54	Transmission	Manufacturer/Type, Speeds F/R		Clark/Powershift, 1/1	Clark/Powershift, 1/1
	57	Hydraulic Pressure	For Attachments	psi/bar	Adjustable	Adjustable
	58	Sound Level	Avg. at Operator's Ear per ASME B56.11.5	dB(A)	79	79

Notes:

1 Weights and performance information are given for trucks equipped with 130 in (3302 mm) MFH standard uprights.

SPECIFICATIONS

General Information	1	Manufacturer			Clark	
	2	Model	Manufacturer's Designation		CMP30	
	3	Load Capacity		lbs(kg)	6000 (3000)	
	4	Load Center	Fork Face Load CG	in(mm)	24 (500)	
	5	Drive Unit	Type		LPG	
	6	Operator Type			Rider Counterbalanced	
	7	Tire Type			Pneumatic	
	8	Wheels (x=driven)	Front/Rear		2x / 2	
Basic Dimensions[1]	9	Upright	Maximum Fork Height, Full Capacity	in(mm)	137 (3500)	
	10		Lift Height (preferred standard upright)	in(mm)	130 (3300)	
	11		Free Lift	in(mm)	4.1 (105)	
	12	Upright Tilt	Back/Forward (above 157 in/3990 mm MFH)	degrees	10 / 8	
	14	Fork	Std. Fork Size (T x W x L)	in(mm)	1.8 x 5 x 42 (40 x 125 x 1070)	
	15	Overall Dimensions	Length to Fork Face	in(mm)	105.7 (2685)	
	16		Width	in(mm)	48.8 (1240)	
			Height, Upright Lowered	in(mm)	88.4 (2245)	
			Height, Upright Extended w/load back rest	in(mm)	178 (4520)	
	18		Height, overhead guard	in(mm)	84 (2133)	
	19	Turning Radius		in(mm)	98.4 (2500)	
	20	Load Center Distance	Center of Drive Axle to Fork Face	in(mm)	17.7 (450)	
	22	Right Angle Stack Aisle	Add Load Length and Clearance	in(mm)	116.1 (2950)	
Performance[1]	23	Stability	According to ANSI B56.1		Yes	
	24	Speeds	Travel Speed, Max w/ Load	mph(kph)	13.0 (20.9)	
	25		Travel Speed, Max w/o Load	mph(kph)	13.2 (21.3)	
		Speed on Grade, Loaded	5%	mph(kph)	7.9 (12.7)	
			10%	mph(kph)	4.0 (6.5)	
			15%	mph(kph)	1.8 (2.9)	
	26	Lift Speeds, Loaded/Empty	Standard Upright	fpm(ms)	94/110 (.48/.56)	
	28		Triple Stage Upright	fpm(ms)	94/110 (.48/.56)	
	29	Lower Speeds, Loaded/Empty	Standard Upright	fpm(ms)	100/100 (.51/.51)	
			Triple Stage Upright	fpm(ms)	100/100 (.51/.51)	
	30	Drawbar Pull, Maximum	With Load	lbs(N)	3,073 (13671)	
	31		Without Load	lbs(N)	2,161 (9614)	
	32	Gradeability	At 1 mph (1.6 kph) with Load	%	17.2	
			Maximum with/without Load	%	19.8 / 18.8	
Weights[1]	34	Service weight		lbs(kg)	9,224 (4184)	
	35	Axle loading	With Load, Front	lbs(kg)	13,530 (6395)	
	36		With Load, Rear	lbs(kg)	1,693 (790)	
	37		W/O Load, Front	lbs(kg)	3,608 (1637)	
	38		W/O Load, Rear	lbs(kg)	5,615 (2547)	
Chassis	39	Tires	Number, Front/Rear		2 / 2	
	40		Size, Front	in	28 x 9 x 15 - 14 ply rating	
			Size, Rear	in	6.50 x 10 - 10 ply rating	
	41	Wheelbase		in(mm)	66.9 (1700)	
	42	Track	Front/Rear	in(mm)	40.6/36.9 (1030/938)	
	44	Ground Clearance	Minimum/at Center of Wheelbase	in(mm)	4.7/6.9 (120/175)	
	46	Service Brake	Type		Hydraulic Drum and Shoe	
	47	Parking Brake	Actuation		Hand	
		Steering	Type		Hydrostatic	
Drive Line	49	Engine	Manufacturer/Model		Mitsubishi 4G64	
	51		Rated Output	HP/kW @ rpm	47.5/35.4 @ 2250	
			Torque	lb-ft/Nm @ rpm	120/163 @ 1600	
	52		Speed, max Governed	rpm	2600	
	53		Cylinders/Displacement	cu. in.-Liters	4 / 143-2.4	
	54	Transmission	Manufacturer/Type, Speeds F/R		Clark/Powershift, 1/1	
	57	Hydraulic Pressure	For Attachments	psi/bar	Adjustable	
	58	Sound Level	Avg. at Operator's Ear per ASME B56.11.5	dB(A)	79	

Notes: **1** Weights and performance information are given for trucks equipped with 130 in (3302 mm) MFH standard uprights.

SPECIFICATIONS

General Information	1	Manufacturer			Clark	Clark
	2	Model	Manufacturer's Designation		CMP20	CMP25
	3	Load Capacity		lbs(kg)	4000 (2000)	5000 (2500)
	4	Load Center	Fork Face Load CG	in(mm)	24 (500)	24 (500)
	5	Drive Unit	Type		Diesel	Diesel
	6	Operator Type			Rider Counterbalanced	Rider Counterbalanced
	7	Tire Type			Pneumatic	Pneumatic
	8	Wheels (x=driven)	Front/Rear		2x / 2	2x / 2
Basic Dimensions	9	Upright	Maximum Fork Height, Full Capacity	in(mm)	137 (3500)	137 (3500)
	10		Lift Height (preferred standard upright)	in(mm)	130 (3300)	130 (3300)
	11		Free Lift	in(mm)	4.1 (105)	4.1 (105)
	12	Upright Tilt	Back/Forward (see tilt specifications)	degrees	10 / 8	10 / 8
	14	Fork	Std. Fork Size (T x W x L)	in(mm)	1.8 x 4 x 42 (40 x 100 x 1070)	1.8 x 4 x 42 (40 x 100 x 1070)
	15	Overall Dimensions	Length to Fork Face	in(mm)	100.2 (2545)	101.6 (2580)
	16		Width	in(mm)	47.6 (1210)	47.6 (1210)
			Height, Upright Lowered	in(mm)	88.4 (2245)	88.4 (2245)
			Height, Upright Extended w/load back rest	in(mm)	178 (4520)	178 (4520)
	18		Height, overhead guard	in(mm)	84 (2133)	84 (2133)
	19	Turning Radius		in(mm)	92.5 (2350)	94.1 (2390)
	20	Load Center Distance	Center of Drive Axle to Fork Face	in(mm)	17.7 (450)	17.7 (450)
	22	Right Angle Stack Aisle	Add Load Length and Clearance	in(mm)	110.2 (2800)	111.8 (2840)
Performance[1]	23	Stability	According to ANSI B56.1		Yes	Yes
	24	Speeds	Travel Speed, Max w/ Load	mph(kph)	12.6 (20.3)	12.6 (20.2)
	25		Travel Speed, Max w/o Load	mph(kph)	12.8 (20.6)	12.8 (20.6)
		Speed on Grade, Loaded	5%	mph(kph)	11.2 (18.1)	10.5 (16.9)
			10%	mph(kph)	5.8 (9.3)	5.0 (8.0)
			15%	mph(kph)	3.7 (5.9)	3.0 (4.8)
	26	Lift Speeds, Loaded/Empty	Standard Upright	fpm(ms)	102/110 (.52/.56)	98/110 (.50/.56)
	28		Triple Stage Upright	fpm(ms)	102/110 (.52/.56)	98/110 (.50/.56)
	29	Lower Speeds, Loaded/Empty	Standard Upright	fpm(ms)	100/100 (.51/.51)	100/100 (.51/.51)
			Triple Stage Upright	fpm(ms)	100/100 (.51/.51)	100/100 (.51/.51)
	30	Drawbar Pull, Maximum	With Load	lbs(N)	3,238 (14406)	3,251 (14465)
	31		Without Load	lbs(N)	2,187 (9731)	2,121 (9437)
	32	Gradeability	At 1 mph (1.6 kph) with Load	%	25.0	21.9
			Maximum with/without Load	%	27.7 / 22.2	24.3 / 20.3
Weights[1]	34	Service weight		lbs(kg)	7,747 (3514)	8,254 (3744)
	35	Axle loading	With Load, Front	lbs(kg)	10,256 (4824)	11,802 (5568)
	36		With Load, Rear	lbs(kg)	1,491 (691)	1,452 (677)
	37		W/O Load, Front	lbs(kg)	3,642 (1652)	3,534 (1603)
	38		W/O Load, Rear	lbs(kg)	4,105 (1862)	4,720 (2141)
Chassis	39	Tires	Number, Front/Rear		2 / 2	2 / 2
	40		Size, Front	in	7.00 x 12 - 14 ply rating	7.00 x 12 - 14 ply rating
			Size, Rear	in	6.50 x 10 - 10 ply rating	6.50 x 10 - 10 ply rating
	41	Wheelbase		in(mm)	63.8 (1620)	63.8 (1620)
	42	Track	Front/Rear	in(mm)	39.6/36.9 (1006/938)	39.6/36.9 (1006/938)
	44	Ground Clearance	Minimum/at Center of Wheelbase	in(mm)	4.7/6.9 (120/175)	4.7/6.9 (120/175)
	46	Service Brake	Type		Hydraulic Drum and Shoe	Hydraulic Drum and Shoe
	47	Parking Brake	Actuation		Hand	Hand
		Steering	Type		Hydrostatic	Hydrostatic
Drive Line	49	Engine	Manufacturer/Model		Yanmar 4TNV94	Yanmar 4TNV94
	51		Rated Output	HP/kW @ rpm	59/42.9 @ 2500	59/42.9 @ 2500
			Torque	lb-ft/Nm @ rpm	130/176 @ 1600	130/176 @ 1600
	52		Speed, max Governed	rpm	2650	2650
	53		Cylinders/Displacement	cu. in.-Liters	4 / 171-2.8	4 / 171-2.8
	54	Transmission	Manufacturer/Type, Speeds F/R		Clark/Powershift, 1/1	Clark/Powershift, 1/1
	57	Hydraulic Pressure	For Attachments	psi/bar	Adjustable	Adjustable
	58	Sound Level	Avg. at Operator's Ear per ASME B56.11.5	dB(A)	79	79

Notes:

1 Weights and performance information are given for trucks equipped with 130 in (3302 mm) MFH standard uprights.

SPECIFICATIONS

General Information	1	Manufacturer			Clark
	2	Model	Manufacturer's Designation		CMP30
	3	Load Capacity		lbs(kg)	6000 (3000)
	4	Load Center	Fork Face Load CG	in(mm)	24 (500)
	5	Drive Unit	Type		Diesel
	6	Operator Type			Rider Counterbalanced
	7	Tire Type			Pneumatic
	8	Wheels (x=driven)	Front/Rear		2x / 2
Basic Dimensions[1]	9	Upright	Maximum Fork Height, Full Capacity	in(mm)	137 (3500)
	10		Lift Height (preferred standard upright)	in(mm)	130 (3300)
	11		Free Lift	in(mm)	4.1 (105)
	12	Upright Tilt	Back/Forward (above 157 in/3990 mm MFH)	degrees	10 / 8
	14	Fork	Std. Fork Size (T x W x L)	in(mm)	1.8 x 5 x 42 (40 x 125 x 1070)
	15	Overall Dimensions	Length to Fork Face	in(mm)	105.7 (2685)
	16		Width	in(mm)	48.8 (1240)
			Height, Upright Lowered	in(mm)	88.4 (2245)
			Height, Upright Extended w/load back rest	in(mm)	178 (4520)
	18		Height, overhead guard	in(mm)	84 (2133)
	19	Turning Radius		in(mm)	98.4 (2500)
	20	Load Center Distance	Center of Drive Axle to Fork Face	in(mm)	17.7 (450)
	22	Right Angle Stack Aisle	Add Load Length and Clearance	in(mm)	116.1 (2950)
Performance[1]	23	Stability	According to ANSI B56.1		Yes
	24	Speeds	Travel Speed, Max w/ Load	mph(kph)	13.0 (20.9)
	25		Travel Speed, Max w/o Load	mph(kph)	13.2 (21.3)
		Speed on Grade, Loaded	5%	mph(kph)	7.9 (12.7)
			10%	mph(kph)	4.0 (6.5)
			15%	mph(kph)	1.8 (2.9)
	26	Lift Speeds, Loaded/Empty	Standard Upright	fpm(ms)	94/110 (.48/.56)
	28		Triple Stage Upright	fpm(ms)	94/110 (.48/.56)
	29	Lower Speeds, Loaded/Empty	Standard Upright	fpm(ms)	100/100 (.51/.51)
			Triple Stage Upright	fpm(ms)	100/100 (.51/.51)
	30	Drawbar Pull, Maximum	With Load	lbs(N)	3,073 (13671)
	31		Without Load	lbs(N)	2,161 (9614)
	32	Gradeability	At 1 mph (1.6 kph) with Load	%	17.2
			Maximum with/without Load	%	19.8 / 18.8
Weights[1]	34	Service weight		lbs(kg)	9,224 (4184)
	35	Axle loading	With Load, Front	lbs(kg)	13,530 (6395)
	36		With Load, Rear	lbs(kg)	1,693 (790)
	37		W/O Load, Front	lbs(kg)	3,608 (1637)
	38		W/O Load, Rear	lbs(kg)	5,615 (2547)
Chassis	39	Tires	Number, Front/Rear		2 / 2
	40		Size, Front	in	8.15 x 15 - 14 ply rating
			Size, Rear	in	6.50 x 10 - 10 ply rating
	41	Wheelbase		in(mm)	66.9 (1700)
	42	Track	Front/Rear	in(mm)	40.6/36.9 (1030/938)
	44	Ground Clearance	Minimum/at Center of Wheelbase	in(mm)	4.7/6.9 (120/175)
	46	Service Brake	Type		Hydraulic Drum and Shoe
	47	Parking Brake	Actuation		Hand
		Steering	Type		Hydrostatic
Drive Line	49	Engine	Manufacturer/Model		Yanmar 4TNV94
	51		Rated Output	HP/kW @ rpm	59/42.9 @ 2500
			Torque	lb-ft/Nm @ rpm	130/176 @ 1600
	52		Speed, max Governed	rpm	2650
	53		Cylinders/Displacement	cu. in.-Liters	4 / 143-2.4
	54	Transmission	Manufacturer/Type, Speeds F/R		Clark/Powershift, 1/1
	57	Hydraulic Pressure	For Attachments	psi/bar	Adjustable
	58	Sound Level	Avg. at Operator's Ear per ASME B56.11.5	dB(A)	79

Notes: **1** Weights and performance information are given for trucks equipped with 130 in (3302 mm) MFH standard uprights.

CLARK CMP 20 SERIES pneumatic tire trucks are designed for durability and ease of operation. They are ideal for both indoor and outdoor applications in manufacturing, warehousing and distribution operations. Equipped with single-speed powershift transaxles and LPG, dual fuel or diesel engines to suit the most rugged demands.

Operator Control & Comfort
The CMP20 Series provides high levels of operator comfort and control while meeting expectations productivity and durability.

An isolated operator cell supported on rubber mounts reduces vibration and sound transmission to the operator seat and controls. Low in-frame steps on both sides, 17.1 in. (435 mm) high, enable easy access to the operator compartment. A rubber floor mat makes footing secure. Cowl-mounted hydraulic control levers provide short reach and low effort enabling precise load control. Electric directional control lever allows “fingertip” operation of the powershift transaxle. The tilt steering wheel can be secured at any position within its range of travel. A two-pedal inch-brake system provides excellent control and comfort; left pedal is for inch and brake operation, right pedal for brakes only.

Equipped with a legendary Clark safety seat with shoulder restraints, adjustable and fold-down back rest, molded bolsters for comfort and support, six inches (150 mm) fore/aft adjustment, a retractable seat belt and an operator manual in the seat pocket. Rear-hinged clamshell hood with locking gas cylinder strut makes access for daily inspection convenient.

The high visibility upright, overhead guard and load backrest designs improve operator vision during travel and stacking operations.

Instrument Panel
An operator display monitor includes indicator lights for engine oil pressure, check engine light, battery charge, transmission temperature, park brake “on,” low LPG, Glow plugs (diesel) turn signal indicators and panel test light. Five digit hour meter, analog engine temperature gauge and fuel gauge (dual fuel and diesel models) are provided on the display.

Engine
Featuring a Mitsubishi model 4G64, 2.4 liter (143 c.i.) 4-cylinder overhead cam engine with internal dynamic balancers for reduced vibration and an EPA 2004 compliant LPG fuel system with diagnostics. Camshaft and balancers are cog belt driven. Cast iron deep skirt block wih aluminum cylinder head, 5-main bearing crankshaft, hydraulic valve lifters and electronic ignition reduce maintenance requirements. An automatic engine shut-down system protects the engine from high engine coolant temperature or low engine oil pressure. This engine is well known for low maintenance and long service life.

An optional Yanmar model 4TNV94, 2.8 liter (171 c.i.) 4 cylinder Diesel engine with direct injection is also available. Vertical exhaust is standard on Diesel. 2004 EPA compliant, not U.L. listed.

Engine Accessories/Capacities
Electrical systems are 12 volt, negative ground, and 50 amp alternator with integral regulator on LPG and 40 amp on diesel engines. Low maintenance battery is rated at 550 cold cranking amps at 0°F (-18 °C) on LPG and 800 CCA on diesel engines. The heavy-duty engine air cleaner is easily serviced. An external high-mounted air intake with rain cap is provided.

Cooling system capacity is 6.7 quarts (6.3 L); engine oil capacity with filter is 4.0 quarts (4.2 L). Fuel tanks on duel fuel or diesel models are 9.8 gals. (37 L).

Transaxle
Featuring a Clark Model TA-18 single-speed, full reversing, powershift transaxle. This rugged and proven Clark transaxle is an integral unit with high ratio, industrial torue converter, full-floating drive axles and drum/shoe brakes. Equipped with electrically controlled directional control, fully modulated cluth packs and precise inching conrol system. Test ports, fluid check and full-flow oil filter are easily accessible. An integral oil cooler is located in the open core radiator.

Electric shift control provides consistent shift operation; linkage wear and adjustment are eliminated. Full-floating drive axle design adds durability as only torsional forces, not truck loads, are transmitted through the axle shafts. Transaxle clutch packs incorporate hydraulic modulation and cushioning systems to provide smooth engagement and protect internal components under rapid direction reversals. Highly accessible transaxle control, gear drive for hydraulic pump and spin-on full-flow lubricant filter are easily serviced.

Brakes
Self-energizing, hydraulic-actuated drum and shoe type service brakes. Heavy cast iron brake shoes, backing plates and drums with openings for lining inspection and adjustment. All components are asbestos-free. The brakes are accessed by removing the wheel hub, axleshaft and brake drum. The left hand actuated parking brake pedal actuates service brakes at both drive wheels, with electric transmission interrupt and fingertip release. The transmission is disengaged when the parking brake is applied.

Steering
Steering is full hydrostatic with tilt wheel, utilizing a compact axle beam and integral double-acting steer cylinder. High strength spindle assemblies incorporate kingpins and double metal sealed bearings to provide rugged, easily serviced assemblies. The steering linkage uses spherical bearings, double shear link pins and grease fittings. Rubber isolation mounts support the axle, absorb shock and reduce noise.

Hydraulics
A single gear driven pump provides fluid for hydraulic functions and steering. The priority-demand steering system conserves energy by supplying hydraulic fluid on demand-only basis. The hydraulic tank is integral with the truck frame with an in-tank screen, and the in-tank return line filter is easily serviced without spill. A quick-connect pressure port allows convenient pressure checks.

The main hydraulic valve is a modular design, allowing additional auxiliary sections and adjustable for pressure and auxiliary flow requirements. Hydraulic tank cover incorporates return line fittings, dipstick and breather filter. Sump tank capacity is 10.0 gal. (38 L).

Upright Assembly
High visibility CLARK designed uprights are available in two stage, HiLo and triple stage full free lift designs and are configured to provide maximum forward visibility. A wide range of lift heights is available. Interlocking rail/nested roller upright design utilizes specially rolled inner rail and channel section outer rails. This provides high strength under all upright load conditions and greater tolerance to unbalanced loads. Uprights feature negative rail drop enabling upright rollers to be easily accessed for adjustment.

Tilt cylinders incorporate spherical bushings at both ends to extend seal life by minimizing axial cylinder loads. Hydraulic counterbalance valve prevents improper tilt cylinder operation, flow limiting valves protect against rapid carriage descent in the event of a line failure and a lowering control-valve regulates lowering speeds. ITA Class II and III hook type carriages incorporate six main rollers and two side thrust rollers to resist deflection due to off center loads. Forks are upset forged and have adjustable fork locks; forks are retained by the load backrest extension.

Additional Features
A single auxiliary valve, internal hosing, sideshifter, two headlights mounted on the overhead guard, tail lights, brake lights, turn signals and flashers are all standard equipment. Other standard features are open core radiator, high air intake, tow pin in the counterweight, rear tie-downs, low fuel warning indicator. The operator manual is permantently attached inside the rear pocket of the comfortable safety seat. Color is high visibility Clark Green with matte black operator cell and upright. Wheels are bright white. Clark’s *Employer’s Guide to Material Handling Safety* and operator safety video are provided with truck.

Upright Table

	Maximum Fork Height in	mm	Overall Height[1] Lowered in	mm	Free Lift[3] in	mm	Standard[2] Tilt Spec B°/F°
CMP20/25/30 Standard							
	78	2000	62.8	1595	4.1	105	10/8
	90	2300	68.7	1745	4.1	105	10/8
	98	2500	72.6	1845	4.1	105	10/8
	106	2700	76.6	1945	4.1	105	10/8
	118	3000	82.5	2095	4.1	105	10/8
•	130	3300	88.4	2245	4.1	105	10/8
	137	3500	92.3	2345	4.1	105	10/8
	145	3700	96.3	2445	4.1	105	10/8
	157	4000	102.2	2595	4.1	105	6/4
	177	4500	120.3	3055	4.1	105	6/4
	196	5000	130.1	3305	4.1	105	6/4
CMP20/25/30 Triple Stage							
	145	3700	73.6	1870	48.8	1240	6/4
	157	4000	77.6	1970	52.8	1340	6/4
	169	4300	81.5	2070	56.7	1440	6/4
	177	4500	84.1	2135	59.3	1505	6/4
	185	4700	86.6	2200	65.0	1650	6/4
•	189	4800	88.6	2250	65.0	1650	6/4
	196	5000	90.6	2300	65.7	1670	6/4
	216	5500	98.8	2510	74.0	1880	6/4
	236	6000	108.3	2750	83.5	2120	3/1.5
	256	6500	115.2	2925	90.6	2300	3/1.5
	275	7000	124.6	3165	100.0	2540	3/1.5
CMP20/25/30 Hi-Lo							
	106	2700	78.0	1980	55.1	1400	8/8
	118	3000	83.9	2130	61.0	1550	8/8
•	130	3300	89.8	2280	66.9	1700	8/8

• Indicates preferred common specification.
[1] For overall height raised with load backrest, add 48 in. (1220 mm) to maximum fork height.
[2] Standard Tilt shown. Contact a Clark representative for information on optional tilt.
[3] Freelift dimensions shown are without load backrest.

Other uprights available, contact a Clark representative.

Grade Clearance

Model	A%	B%
CMP 20	71	24
CMP 25	53	24
CMP 30	57	22

Notes

Production engines and driveline components may vary in output and/or efficiency by ±10%. The performance shown represents nominal values which may be obtained under typical operating conditions of a machine.

Clark products and specifications are subject to change without notice.

ANSI and Insurance Classification

Standard truck meets all applicable mandatory requirements of ANSI-B56.1 Safety Standard for Powered Industrial Trucks and Underwriters Laboratories requirements as to fire hazard only. For type LP and LPS classification. For further information contact a Clark representative.

For Your Safety

Before operating a lift truck, an operator must:
- **Be trained and authorized**
- **Read and understand the operator's manual**
- **Not operate a faulty lift truck**
- **Not repair a lift truck unless trained and authorized**
- **Have the overhead guard and load backrest extension in place**

During operation, a lift truck operator must:
- **Wear a seat belt**
- **Keep entire body inside truck cab**
- **Never carry passengers or lift people**
- **Keep truck away from people and obstructions**
- **Travel with lift mechanism as low as possible and tilted back**

To park a lift truck, an operator must:
- **Completely lower forks or attachments**
- **Shift into neutral**
- **Turn key off**
- **Set parking brake**

Contact your Clark dealer for operator training information.

Available Equipment

- **Double auxiliary valve**
- **Hose adaptations**
- **Hydraulic control options**
- **Side shifters**
- **Strobe lights**
- **Rear work light**
- **Reverse alarm**
- **Mirrors**
- **Suspension seat, vinyl and cloth**
- **Operator cab with heater and radio**
- **U.L. Type LPS construction**
- **Dual Fuel**
- **Diesel**
- **Travel speed limit - LPG / Dual Fuel**
- **Various tire options**

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CMP 20/25/30 Specification Sheet
59-894-0322 Printed in USA CCIrev0305

your authorized CLARK dealer is: