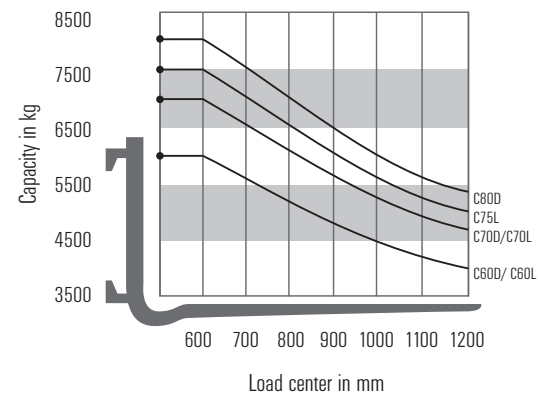


GENERAL DATA

Truck Capacities Capacity at different load centres



Note:

The listed capacities are valid only for the standard upright in vertical position with standard fork carriage and standard forks, up to max. lifting height of 3300 mm. The centre of gravity of the load may be displaced by max. 100 mm against the longitudinal centre plane of the truck. Load centre is determined from top and front face of the forks. The values are based on a 1000 mm cube load configuration with the centre of gravity at the true centre of the cube. With upright tilted forward lower capacity values are valid. Attachments, longer forks, exceptional load dimensions and higher lifting heights can reduce the capacity. Please talk to your CLARK dealer if you require further information.

Upright table C60L/C70L/C75L

Mast type	Maximum Fork Height (h3)	Mast		Freihub (h2)	
		Lowered (h1)	Extended		
					mm
Standard	2500	2250	3664	110	
	2700	2350	3864		
	3000	2500	4164		
	3300	2650	4464		
	3500	2750	4664		
	3700	2850	4864		
	4000	3000	5164		
	4500	3250	5664		
	5000	3500	6164		
	5500	3750	6664		
Triple	6000	4200	7164	1211	
	6400	4400	7564		
	3850	2313	4980		1261
	4000	2363	5130		1429
	4500	2531	5634		1563
	4900	2665	6036		1995
	6200	3097	7332		2261
	8000	3695	9140		2593

Performance may vary +5% and -10% due to motor and system efficiency tolerance. 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.

Upright table C60D/C70D

Mast type	Maximum Fork Height (h3)	Mast		Freihub (h2)	
		Lowered (h1)	Extended		
					mm
Standard	2500	2250	3664	110	
	2700	2350	3864		
	3000	2500	4164		
	3300	2650	4464		
	3500	2750	4664		
	3700	2850	4864		
	4000	3000	5164		
	4500	3250	5664		
	5000	3500	6164		
	5500	3750	6664		
Triple	6000	4200	7164	1211	
	6400	4400	7564		
	3850	2313	4980		1261
	4000	2363	5130		1429
	4500	2531	5634		1563
	4900	2665	6036		1995
	6200	3097	7332		2261
	8000	3695	9140		2593

Upright table C80D

Mast type	Maximum Fork Height (h3)	Mast		Freihub (h2)	
		Lowered (h1)	Extended		
					mm
Standard	2300	2226	3464	233	
	2500	2326	3664		
	2800	2476	3964		
	3100	2626	4264		
	3300	2726	4464		
	3500	2826	4664		
	3800	2976	4964		
	4300	3226	5464		
	4800	3476	5964		
	5300	3726	6464		
Triple	5800	3976	6964	1211	
	6200	4176	7364		
	3850	2313	4790		1261
	3800	2363	4940		1429
	4300	2531	5444		1563
	4700	2665	5848		1995
	6000	3097	7142		2261
	6800	3363	7950		2593

PRODUCT DESCRIPTION



Due to his many years of experience in this series, Clark offers with the C60-80 series the optimized collection of high-end components and an absolute powerful truck. The combination of a capable 67kW diesel engine, a fully automatic three speed gearbox, a wet disc brake as a standard and a very robust frame makes this series extraordinary strong and tough. The low operation and maintenance costs as well as the ergonomic designed operator compartment are speaking also for a truck out of this series.

Exactly what you rightly can expect from a heavy duty truck produced by CLARK.

Driver's cab

The driver accesses his ergonomically designed compartment via two large, low positioned steps. An access is possible from both sides. A grab handle on the driver's side of entry makes it easy to climb up and down. The rubber floor covering in the footwell prevents slippage.

The adjustable steering column (30°) with two spoke steering wheel and an easy to adjust, yet comfortable seat together with impressive leg room allow perfect adaptation to any driver.

Automotive style foot pedals and fully directional hood mounted control levers with international symbols avoid confusion for any operator.

The operating data is displayed in real-time on the clear TFT LCD colour display.

A low front cowl and ingenious narrow profile arrangement of the chains and hoses on the upright ensure a wide field of vision for the driver.

Easily accessible storage compartments and an ideally positioned automotive style hand brake, set this driver's cab apart. Additionally this series offers protected storage compartments integrated in the vehicle frame.

Engine, Transmission

The CLARK C60-80 forklifts with LPG or diesel power offer excellent acceleration and high driving performance with low fuel consumption. These extremely robust modern engines are at the top end of the performance class. The 67kW Iveco 4.5 litre engine has an excellent start-up behaviour and a good acceleration. Because of his six cylinders the GM 4.3L LPG engine runs very smoothly even on-load.

Optional is a three way catalyst converter available. Both engines have a fully automatic "Power-Shift" three gearbox to make a precise and comfortable working possible. The inch-pedal has an integrated brake function and enables controlled driving during fast lift operations.

To protect your investment, the temperature of the engine and transmission is constantly monitored, so that in an event of design limits being exceeded, the engines automatically switch off. The Heavy Duty flexible coupling of the engine/transmission and drive axle reduces vibrations and noises to a minimum.

All engines comply with EU directives ensuring low noise and exhaust emissions.

Brake system

All the trucks of this series have wet disc service brakes and an independent drum parking brake as a standard. To avoid driving against the parking brake, the gearbox is declutched during its activation.

The wet disc brakes have a minimum of abrasion, are maintenance free and allow a very sensitive braking even with heavy load. Power assisted service brakes ensure that the work is undertaken in a relaxed and stress free manner with full focus on the task in hand. A stress free comfortable operator, works always at his peak ensuring optimum productivity over the complete shift.

Steering system

The hydrostatic power steering eliminates steering Kick-Back, makes steering easy and reaches full lock with just a few turns of the steering wheel. The steering axle has pivotal bearings mounted in rubber steel elements. The spherical bearing mounted short tie rods are adjustment free and guarantee precise and continuous driving in a straight line. The double acting steer cylinder ensures precise and direct steering. The axle kingpins are mounted in lubricated tapered roller bearings for long service life.

Hydraulic system

A full-flow reverse filter, filters the oil to the tank at each reverse flow. Rough particles are filtered directly via a suction filter, thereby preventing them from entering the oil circuit, ensuring a long service life for all hydraulic components.

It is always enough hydraulic oil available, because a high-capacity pump provides adequate oil supply for the upright and the hydrostatic steering. A priority distributor ensures steering priority in all conditions. Load handling is controlled via a load sensitive-response and precise control valve. A safety valve provides extra safety and prevents an uncontrolled lowering of the load at all times.

Upright

The clear-view uprights are available in Standard, Hilo and Triplex versions. The heavy duty interlocked narrow profiles provide high strength even under the heaviest load. The angled mounted rollers are adjust- or exchangeable without disassembling the upright.

The tilt cylinders are mounted in spherical bearings. This consequently extends the service life of the complete cylinder. An integral tilt-lock valve prevents unintentional tilting of the upright when the power is off.

The heavy duty tapered forged forks with hook or shaft mounting are adjustable and locked by individual pins.

A hydraulic dampening system reduces impacts and vibrations during the transition between the individual lifting sections in raising and lowering, thus protecting the products and extending service life. The sturdy 6-roller fork carriage with adjustable side thrust rollers enhances the durability of this design, preventing carriage "Jamming" when handling off-set loads.

Additional standard equipment

Protected front headlights, direction indicator lights, combination rear lights with brake lights and white reversing light, pneumatic tyres, acoustic reversing alarm, paintwork in the bright safety colour "CLARK Green", driver's compartment and upright in black, rims in white.

Additional equipment

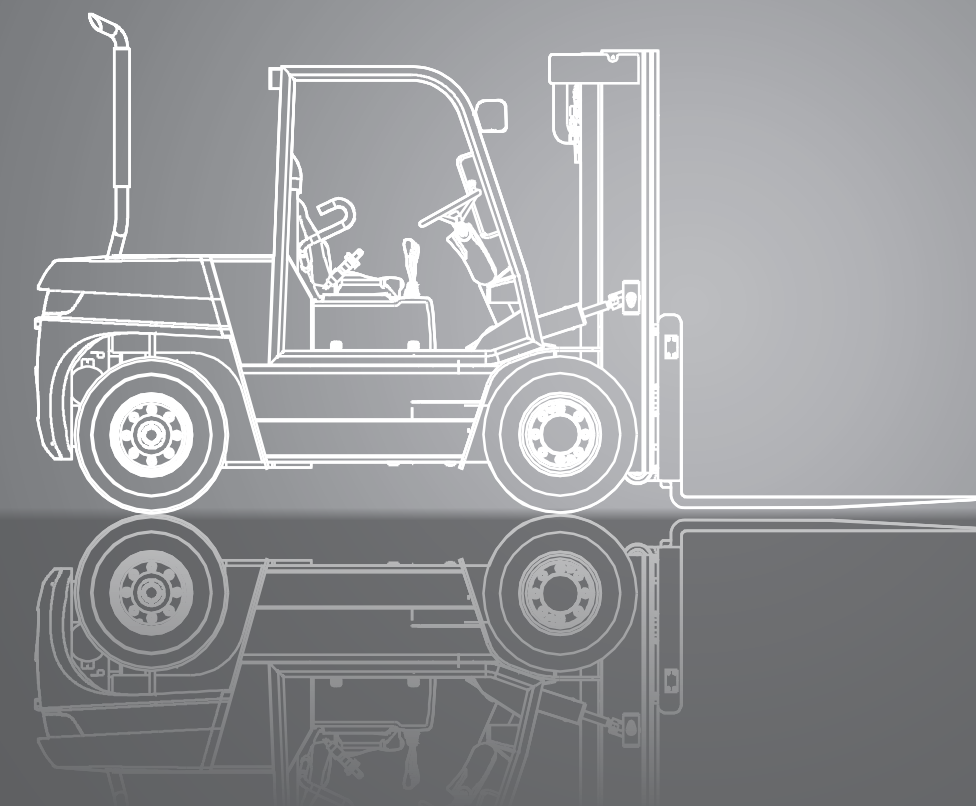
SE tires, attachments, air-conditioned or heated cabs, integrated or hook on sideshifts, quick-release couplings, spark protection, various seats and much more.

Security

The C60-80 series is CE certified and corresponds to all European safety standards for forklift trucks.

Talk to your CLARK dealer to find the optimum equipment for you.

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En. 04/2011

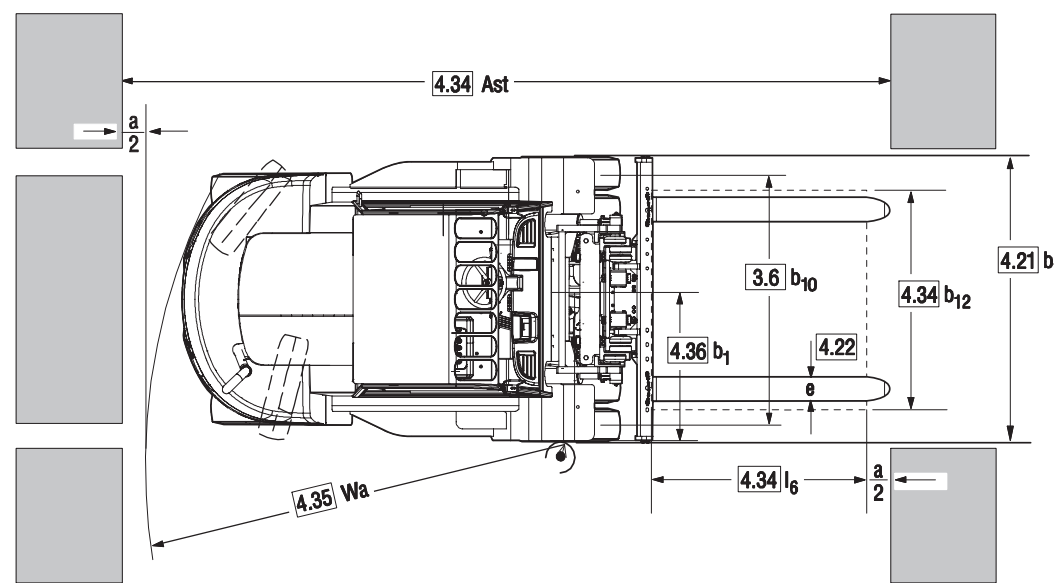
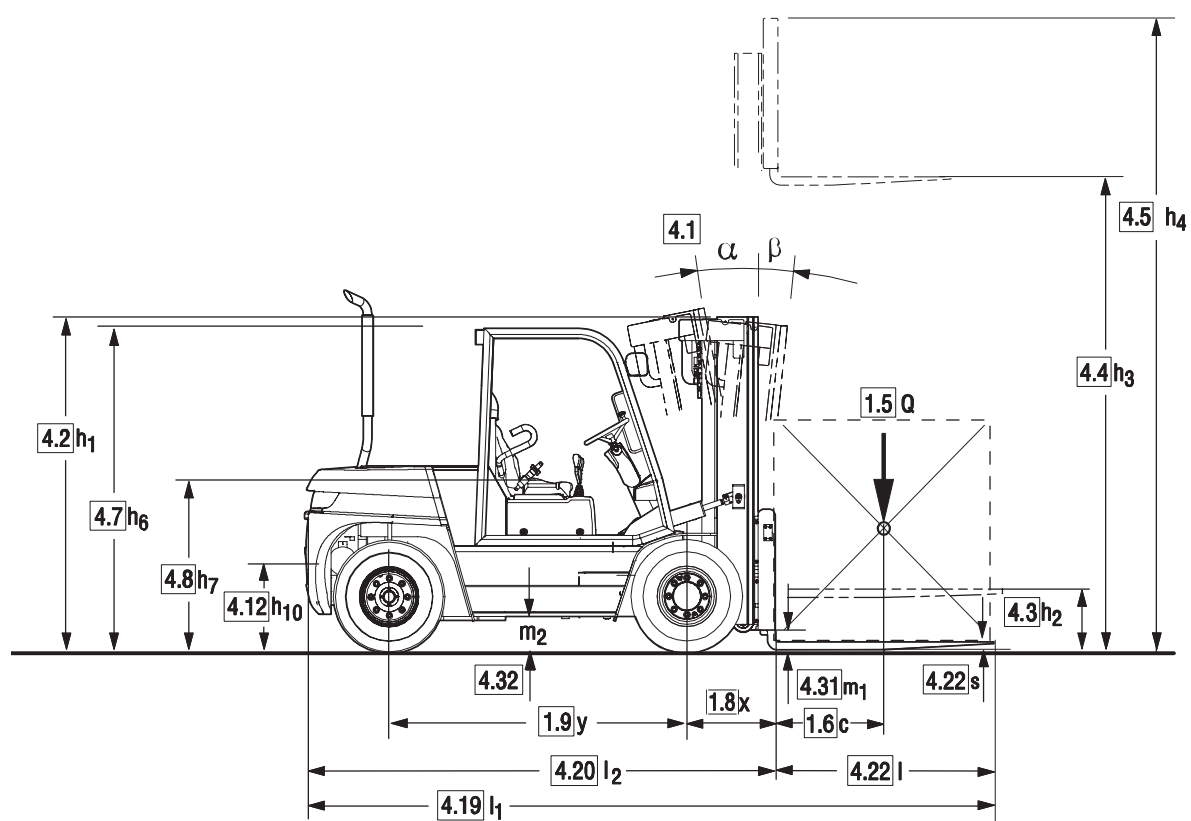


C 60/70/80D C 60/70/75L

Diesel or LPG engine
 Pneumatic Tires
 6.000 kg 7.000 kg 7.500 kg 8.000 kg

DIMENSIONS

C60/80



$$A_{st} = Wa + x + l_6 + a$$

gilt nur bei / applies only if $\frac{b_{12}}{2} < b_{13}$

$$A_{st} = Wa + \sqrt{(l_6 + x)^2 + \left(\frac{b_{12}}{2} - b_{13}\right)^2} + a$$

gilt nur bei / applies only if $\frac{b_{12}}{2} \geq b_{13}$

$a = 200$

For corresponding data see Specification Chart.

SPECIFICATIONS

Product Specifications acc. to VDI 2198

1.1 Manufacturer (Abbreviation)		CLARK	CLARK	CLARK
Specifications	1.2 Manufacturer's designation	C60D	C70D	C80D
	1.3 Drive unit Diesel, L.P. Gas	Diesel	Diesel	Diesel
	1.4 Operator type stand on /driver seated	Driver Seated	Driver Seated	Driver Seated
WT	1.5 Load capacity /rated load	Q (kg)	6000	7000
	1.6 Load centre distance	c (mm)	600	600
	1.8 Load centre distance, centre of drive axle to fork face	x (mm)	630	630
Tyres, Chassis	1.9 Wheelbase	y (mm)	2250	2250
	2.1 Service weight	kg	9306	9676
	2.2 Axle loading, laden front /rear	kg	13336/1970	14758/1918
Dimensions	2.3 Axle loading, unladen front /rear	kg	4071/5235	3950/5726
	3.1 Tyre type, P = pneumatic, SE = superelastic, C = cushion 1)		P	P
	3.2 Tyre size, front		8.25X15-14PR	8.25X15-14PR
Performances	3.3 Tyre size, rear		8.25X15-14PR	8.25X15-14PR
	3.5 Wheels, number front/rear (x = drive wheels)		4X/2	4X/2
	3.6 Tread, front	b10 (mm)	1575	1575
I.C.-Engine	3.7 Tread, rear	b11 (mm)	1610	1610
	4.1 Tilt of upright/fork carriage, α/β	Grad	10/15	10/15
	4.2 Height, upright lowered	h1 (mm)	2650	2650
Miscellaneous	4.3 Freelift	h2 (mm)	110	233
	4.4 Lift height 2)	h3 (mm)	3300	3300
	4.5 Height, upright extended 5)	h4 (mm)	4464	4464
Specifications	4.7 Height overheadguard (cab); Std / Container	h6 (mm)	2370	2370
	4.8 Seat height	h7 (mm)	1320	1320
	4.12 Coupling height	h10 (mm)	470	470
WT	4.19 Overall length	l1 (mm)	4723	4783
	4.20 Length to face of forks	l2 (mm)	3523	3583
	4.21 Width	b1, b2 (mm)	2125	2125
Tyres, Chassis	4.22 Fork dimensions	s • e • l (mm)	60X150X1200	60X150X1200
	4.23 Fork carriage DIN 15173, A, B		Shaft type	Shaft type
	4.24 Fork carriage width	b3 (mm)	2040	2040
Dimensions	4.31 Ground clearance minimum	m1 (mm)	200	200
	4.32 Ground clearance centre of wheelbase	m2 (mm)	230	230
	4.33 Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	5250	5280
Performances	4.34 Aisle width for pallets 800 x 1200 lengthways	Ast (mm)	5450	5480
	4.35 Turning radius	(mm)	3420	3450
	4.36 Internal turning radius	b13 (mm)	1063	1063
I.C.-Engine	5.1 Travel speed laden/unladen	km/h	31.8/34.6	29.0/33.5
	5.2 Lift speed laden/unladen	m/s	0.43/0.45	0.42/0.45
	5.3 Lowering speed laden/unladen	m/s	0.45/0.43	0.45/0.43
Miscellaneous	5.5 Drawbar pull laden 3)	N	52102	52445
	5.6 Max. drawbar pull laden/unladen 3)	N	56989/19485	57339/18809
	5.7 Gradeability laden 3)	%	37.1	33.9
Specifications	5.8 Max. gradeability laden/unladen 3)	%	41.0/21.2	37.4/19.8
	5.9 Acceleration time laden/unladen (0-15 m)	s	-	-
	5.10 Service brake		Wet disc brake	Wet disc brake
I.C.-Engine	7.1 Manufacturer /Type 5)		IVECO/F4GE9454C	IVECO/F4GE9454C
	7.2 Rated output acc. DIN 70 020	kW	67	67
	7.3 Rated speed acc. DIN 70 020	min-1	2300	2300
Miscellaneous	7.4 No. of cylinders /displacement	/cm3	4/4500	4/4500
	7.5 Fuel consumption acc. VDI-Cyclus	Diesel= l/h, L.P.-Gas= kg/h	-	-
	8.1 Type of control		Hydrodyn	Hydrodyn
Specifications	8.2 Operating pressure for attachments	bar	140	140
	8.3 Oil volume for attachments	l/min	-	-
	8.4 Sound level, driver's ear acc. EN 12053	dB (A)	83	83
WT	8.5 Towing coupling, class/type DIN		-	-

*1 Optional with super-elastic tyres *2 Further lift heights see upright table *3 At friction coefficient $\mu=0.6$ *4 Diesel = TIER 3 /LPG = TIER 0

Performance may vary +5% and -10% due to motor and system efficiency tolerance. 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.

Product Specifications acc. to VDI 2198

1.1 Manufacturer (Abbreviation)		CLARK	CLARK	CLARK
Specifications	1.2 Manufacturer's designation	C60D	C70D	C80D
	1.3 Drive unit Diesel, L.P. Gas	LPG	LPG	LPG
	1.4 Operator type stand on /driver seated	Driver Seated	Driver Seated	Driver Seated
WT	1.5 Load capacity /rated load	Q (kg)	6000	7000
	1.6 Load centre distance	c (mm)	600	600
	1.8 Load centre distance, centre of drive axle to fork face	x (mm)	630	630
Tyres, Chassis	1.9 Wheelbase	y (mm)	2250	2250
	2.1 Service weight	kg	9077	9447
	2.2 Axle loading, laden front /rear	kg	13263/1814	14685/1762
Dimensions	2.3 Axle loading, unladen front /rear	kg	3998/5079	3877/5570
	3.1 Tyre type, P = pneumatic, SE = superelastic, C = cushion 1)		P	P
	3.2 Tyre size, front		8.25X15-14PR	8.25X15-14PR
Performances	3.3 Tyre size, rear		8.25X15-14PR	8.25X15-14PR
	3.5 Wheels, number front/rear (x = drive wheels)		4X/2	4X/2
	3.6 Tread, front	b10 (mm)	1575	1575
I.C.-Engine	3.7 Tread, rear	b11 (mm)	1610	1610
	4.1 Tilt of upright/fork carriage, α/β	Grad	10/15	10/15
	4.2 Height, upright lowered	h1 (mm)	2650	2650
Specifications	4.3 Freelift	h2 (mm)	110	233
	4.4 Lift height 2)	h3 (mm)	3300	3300
	4.5 Height, upright extended 5)	h4 (mm)	4464	4464
WT	4.7 Height overheadguard (cab); Std /Container	h6 (mm)	2370	2370
	4.8 Seat height	h7 (mm)	1320	1320
	4.12 Coupling height	h10 (mm)	470	470
Tyres, Chassis	4.19 Overall length	l1 (mm)	4723	4783
	4.20 Length to face of forks	l2 (mm)	3523	3583
	4.21 Width	b1, b2 (mm)	2125	2125
Dimensions	4.22 Fork dimensions	s • e • l (mm)	60X150X1200	60X150X1200
	4.23 Fork carriage DIN 15173, A, B		Shaft type	Shaft type
	4.24 Fork carriage width	b3 (mm)	2040	2040
Performances	4.31 Ground clearance minimum	m1 (mm)	200	200
	4.32 Ground clearance centre of wheelbase	m2 (mm)	230	230
	4.33 Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	5250	5280
I.C.-Engine	4.34 Aisle width for pallets 800 x 1200 lengthways	Ast (mm)	5450	5480
	4.35 Turning radius	(mm)	3420	3450
	4.36 Internal turning radius	b13 (mm)	1063	1063
Specifications	5.1 Travel speed laden/unladen	km/h	29.3/31.4	29.0/30.2
	5.2 Lift speed laden/unladen	m/s	0.44/0.49	0.42/0.49
	5.3 Lowering speed laden/unladen	m/s	0.45/0.43	0.45/0.43
WT	5.5 Drawbar pull laden 3)	N	59841/23347	62784/22661
	5.6 Max. drawbar pull laden/unladen 3)	N	59841/23347	62784/22661
	5.7 Gradeability laden 3)	%	41.0/21.4	42.2/20.0
I.C.-Engine	5.8 Max. gradeability laden/unladen 3)	%	41.0/21.4	42.2/20.0
	5.9 Acceleration time laden/unladen (0-15 m)	s	-	-
	5.10 Service brake		Wet disc brake	Wet disc brake
Miscellaneous	7.1 Manufacturer /Type 5)		GM/GM 4.3	GM/GM 4.3
	7.2 Rated output acc. DIN 70 020	kW	69	69
	7.3 Rated speed acc. DIN 70 020	min-1	2400	2400
Specifications	7.4 No. of cylinders /displacement	/cm3	6/4300	6/4300
	7.5 Fuel consumption acc. VDI-Cyclus	Diesel= l/h, L.P.-Gas= kg/h	-	-
	8.1 Type of control		Hydrodyn	Hydrodyn
WT	8.2 Operating pressure for attachments	bar	140	140
	8.3 Oil volume for attachments	l/min	-	-
	8.4 Sound level, driver's ear acc. EN 12053	dB (A)	82.7	82.7
Miscellaneous	8.5 Towing coupling, class/type DIN		-	-

*1 Optional with super-elastic tyres *2 Further lift heights see upright table *3 At friction coefficient $\mu=0.6$ *4 Diesel = TIER 3 /LPG = TIER 0

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