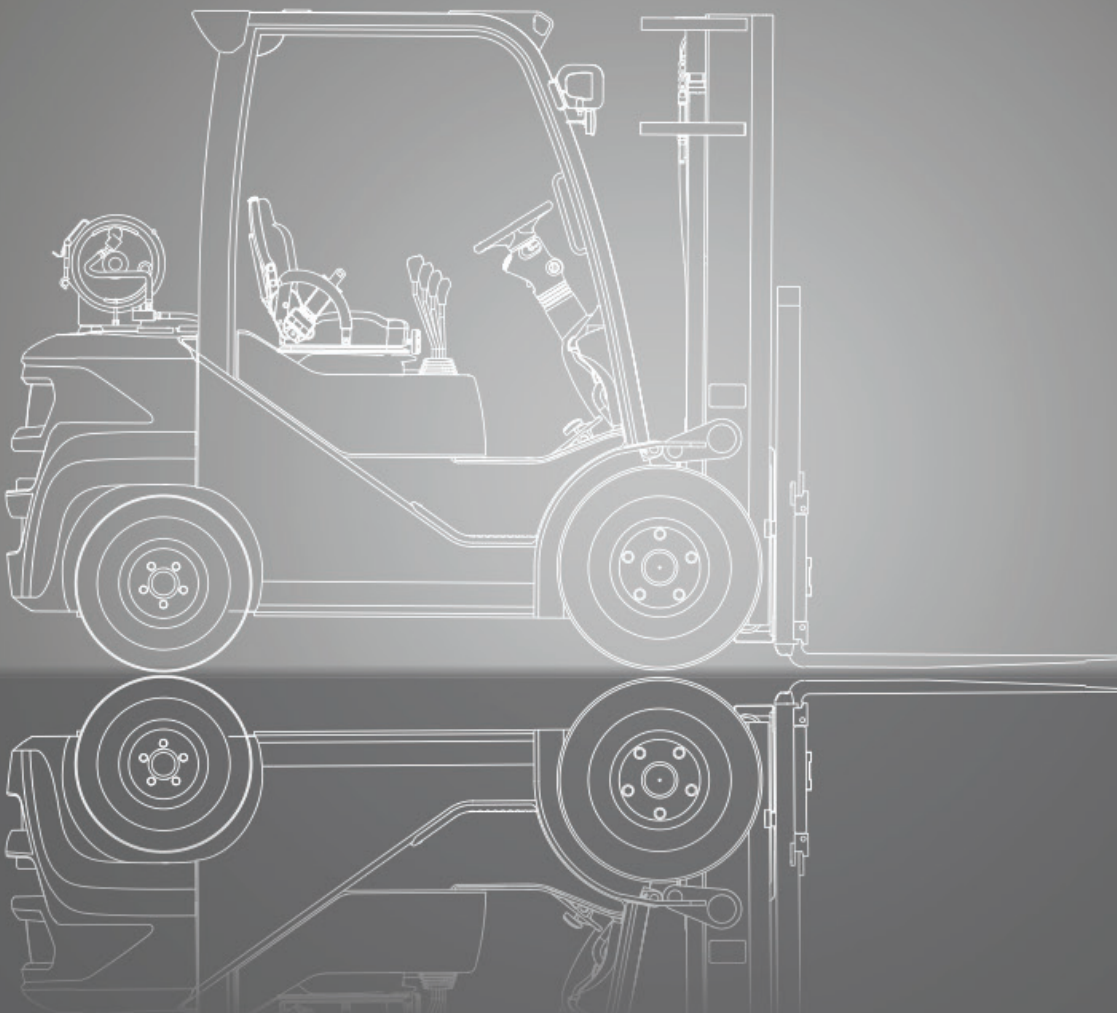


# S 30

Diesel or LPG engine

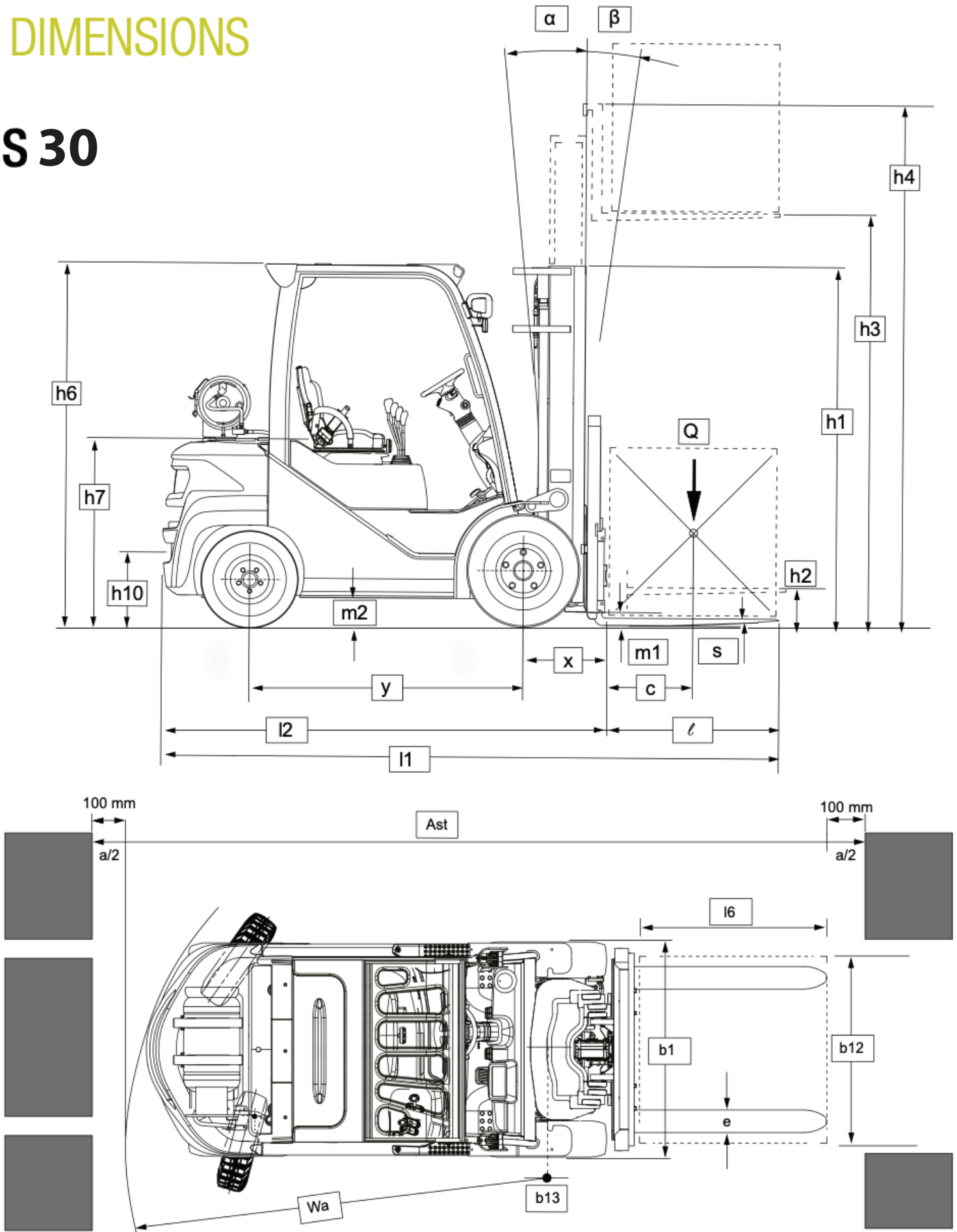
Pneumatic or Superelastic Tyres

2000 kg 2500 kg 3000 kg 3500 kg



# DIMENSIONS

## S 30

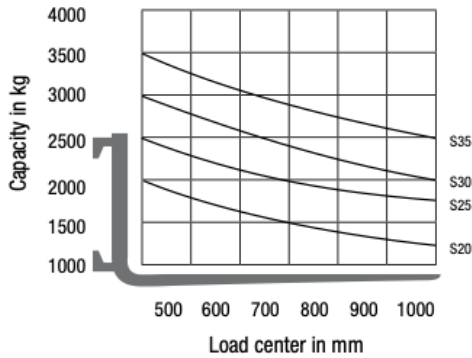


For corresponding data see specification chart.

$a = 200 \text{ mm}$   
 $Ast = Wa + x + l_6 + a$   
 applies only if  $b_{12}/2 < b_{13}$

# GENERAL DATA

## Truck Capacities Capacity at different load centres



## Upright table S20/25/30

	Max. Fork Height (h3)	Mast Lowered (h1)	Mast Extended (h4)		Free Lift (h2)	
			with load backrest	without load backrest	with load backrest	without load backrest
	mm	mm	mm	mm	mm	mm
STD	2120	1575	3340	2718	110	110
	2980	2005	4200	3578		
	3300	2165	4520	3898		
	3500	2265	4720	4098		
	3725	2455	4944	4322		
	3860	2530	5080	4458		
	4165	2800	5384	4762		
	4380	3000	5600	4978		
	4620	3230	5840	5218		
	5170	3495	6390	5768		
Triplex	4320	2005	5539	4943	786	1382
	4500	2035	5719	5123	816	1442
	4800	2165	6017	5423	946	1542
	5210	2305	6429	5833	1086	1682
	5520	2455	6739	6143	1236	1832
	5740	2530	6959	6363	1311	1907
	6100	2690	7319	6723	1471	2067
	6370	2800	7589	6993	1581	2177
HI-LO	2935	2005	4155	3559	786	1382
	3255	2165	4475	3879	946	1542
	3530	2305	4750	4154	1086	1682
	3760	2455	4980	4384	1236	1832
	3910	2530	5128	4532	1311	1907
Quad	6100	2165	7332	6736	946	1542
	6560	2310	7784	7188	1091	1687
	7015	2463	8237	7641	1244	1840
	7480	2616	8701	8105	1397	1993
	7935	2768	9156	8560	1549	2145

**Note:**  
Mast lowered and freelif for S30C are 15mm higher than above mentioned values.

# SPECIFICATIONS

## Product Specifications acc. to VDI 2198

	1.1 Manufacturer (Abbreviation)	CLARK	
Specifications	1.2 Manufacturer's designation	S30D	
	1.3 Drive unit Diesel, L.P. Gas	Diesel	
	1.4 Operator type stand on/driver seated	Driver Seated	
	1.5 Load capacity/rated load	Q (kg) 3000	
	1.6 Load centre distance	c (mm) 500	
	1.8 Load centre distance, centre of drive axle to fork face	x (mm) 475	
	1.9 Wheelbase	y (mm) 1700	
	Weight	2.1 Service weight	kg 4253
		2.2 Axle loading, laden front/rear	kg 6467 / 785
2.3 Axle loading, unladen front/rear		kg 1747 / 2506	
Tyres, Chassis	3.1 Tyre type *1	P	
	3.2 Tyre size, front	28X9X15 -14PR	
	3.3 Tyre size, rear	6.50X10-12PR	
	3.5 Wheels, number front/rear (x = drive wheels)	2(4)/2	
	3.6 Tread, front	b10 (mm) 999	
	3.7 Tread, rear	b11 (mm) 970	
	Dimensions	4.1 Tilt of upright $\alpha$ = back / $\beta$ = front	Grad 10/8
4.2 Height, upright lowered		h1(mm) 2180	
4.3 Freelift		h2(mm) 110	
4.4 Lift height *2		h3(mm) 3300	
4.5 Height, upright extended (with load backrest)		h4(mm) 3967	
4.7 Height overheadguard		h6(mm) 2180	
Height overheadguard with cab		h6(mm) 2200	
4.8 Seat height		h7(mm) 1172	
4.12 Coupling height		h10(mm) 425	
4.19 Overall length		l1 (mm) 3840	
4.20 Length to face of forks		l2(mm) 2770	
4.21 Width (wide drive / dual drive)		b1, b2 (mm) 1220 (1300/1566)	
4.22 Fork dimensions		s • e • l (mm) 45x122x1070	
4.23 Fork carriage DIN 15173, A, B		Class III A	
4.24 Fork carriage width		b3 (mm) 1040	
4.31 Ground clearance minimum		m1 (mm) 150	
4.32 Ground clearance centre of wheelbase	m2 (mm) 170		
4.33 Aisle width for pallets 1000 x 1200 crossways	Ast(mm) 4125		
4.34 Aisle width for pallets 800 x 1200 lengthways	Ast(mm) 4325		
4.35 Turning radius	(mm) 2450		
4.36 Internal turning radius	b13 (mm) 751		
Performances	5.1 Travel speed laden/unladen	km/h 17.8/18.9	
	5.2 Lift speed laden/unladen	m/s 0.55/0.58	
	5.3 Lowering speed laden/unladen	m/s 0.55/0.50	
	5.6 Max. drawbar pull laden/unladen *3	N 19.652 / 8.217	
	5.8 Max. gradeability laden/unladen *3	% 28.8/20.9	
	5.9 Acceleration time laden/unladen (0 - 15 m)	s -	
	5.10 Service brake	Wet disc brake	
Engine	7.1 Manufacturer/Type *6	YANMAR / 4TNE98	
	7.2 Rated output acc. DIN 70 020	kW 44,3	
	7.3 Rated speed acc. DIN 70 020	min-1 2300	
	7.4 No. of cylinders/displacement	/cm3 4/3319	
	7.5 Fuel consumption acc. VDI-CyclusDiesel = l/h, L.P.-Gas = kg/h	-	
Misc.	8.2 Operating pressure for attachments *7	bar Adjustable	
	8.3 Oil volume for attachments	l/min max. 35	
	8.4 Sound level, driver's ear *4	dB (A) 81	
	8.5 Towing coupling, class/type DIN	PIN	

\*1 Optional with super-elastic tyres \*2 Futher lift heights see upright table \*3 with 1.6 km/h Without load at friction coefficient  $\mu=0.8$  \*4 Equivalent permanent sound-pressure level L pAeq, T in accordance with DIN EN 12053 (previously DIN 45635-36) \*5 Values for Wide or Dual Tyre (Option) \*6 Diesel = Stage 3a / LPG= Stage 0 (Option : Stage 4) \*7 Max. 140 bar

All values shown are for standard lift truck with standard equipment. If the truck is supplied with options, values may change.

All values given may vary +5% and -10% due the motor and system tolerances and represent nominal values obtained under typical operating conditions.

# PRODUCT DESCRIPTION



The S-Series from CLARK marks a further development in reliable, durable and powerful forklifts. Lower operating and maintenance costs combined with a well-designed and ergonomic operator compartment are what makes this forklift truly unique.

## Driver Environment

- Functional, safe with minimal vibrations
- Low positioned perforated non-slip metal step
- Fully covered anti-slip rubber foot area
- A grab handle on the driver side of entry makes it easy to climb up and down
- Adjustable steering column allows more leg and foot room
- Small steering wheel diameter ( $\varnothing=300$  mm)
- Hydraulic power steering
- Adjustable artificial leather vinyl seat with mechanical suspension weight adjustable from 50 to 140 kg
- Engine cover mounted hydraulic control levers or as an optional armrest mini lever
- Automotive style foot pedals
- Low front cowl for improved visibility
- Excellent visibility from a new developed driver's roof
- Cup holder, storage box and document holder including a 12V power connection
- Automatic parking brake

## Smart-Display

- Clear and easy-to-read 5-inch colour display
- Protected against water ingress
- Maintenance indicator and password-protected service access
- Selection of different warning signs (optical / acoustic)

## Fuel efficiency truck management options

- Automatic engine shut down timer for excessive engine idling
- Automatic light switch-off
  - The setting for each shutdown function can be activated on demand and will be set after operator has left the driver seat
  - The shutdown timer delay is adjustable

## Engine, Transmission

The CLARK S-Series forklifts with LPG or diesel powered offer excellent acceleration and performance power. These modern engines are efficient and at the top end of the performance class. Temperature from the engine and transmission is constantly monitored and in the event of design limits being exceeded the engine is automatically shut-down. Rubber mounted transmission and drive axle, separated by a heavy duty flexible coupling, reduces vibrations and noise to a minimum.

## Diesel Engine

- YANMAR (3,3L)
- Meets emission level (Stage IIIA)
- Exceptional output and high torque
- Low maintenance costs
- Powerful acceleration

## LPG Engine

- MMC-PSI (2.3L) or FORD (2.5L)
- ECU-controlled map ignition for more torque
- 4-cylinder design with overhead camshafts
- Electronic controlled engine speed

## Steering system

- Hydrostatic power steering eliminating steering kick-back
- A robust steering axle with pivotal bearings in mounted rubber steel moulded mounting

## Brake system

- Maintenance free wet disc service brakes
- Power assisted service brake for easier brake operation with more effect
- Automatic parking brake

## Hydraulic system

- 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
- Transmission oil cooling
- Large hydraulic oil tank (47 L) makes sure that there is always enough hydraulic oil available for the highest upright and all attachments
- A safety valve provides extra safety and prevents an uncontrolled load lowering at all times

## Upright

- The clear-view uprights are available in Standard, Hilo, Triplex and Quad versions
- Perfect view through extra-wide masts, narrow centre cylinders and optimum mast design
- Adjustable sealed canted (Angled) rollers minimize deflection
- Spherical mounted tilt cylinders bearings
- An integral tilt-lock valve prevents mast tilt drift
- Robust 6-roller fork carriage with adjustable side thrust rollers for durability
- A CLARK 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

## Additional standard equipment

LED-front headlights, pneumatic tyres, LED-direction indicator lights, combination rear lights with brake lights and white reversing lights. Paintwork in a bright safety colour „CLARK HOT YELLOW GREEN“. Driver's compartment and upright in matt black, rims in gloss black

## Additional equipment

- SE tyres
- Various attachments
- Heated cabs with an air-conditioned option (diesel engine only)
- Armrest mounted mini-lever with direction control
- Smart travel direction switch mounted on the mechanical hydraulic lever
- Integrated or hook-type side-shifter
- Locking fuel cap (Diesel only)
- Speed limiter (adjustable from 8 km/h to max. travel speed) (not available for Yanmar diesel engine)
- Rear view camera
- USB charging port in storage box
- Safety light as visual back-up alarm
- Load weight measurement (tolerance: 1% of the rated load)
- CLARK vertical mast system (automatic vertical upright position tilt lock)
- Attachment quick-release couplings
- Various seats with armrest or side wings
- Acoustic reverse alarm
- Reduced overhead guard heights
- Vertical exhaust tail pipe
- ...and much more

## Safety

The S-Series is CE certified and conforms to all European safety standards for industrial trucks.

Contact your CLARK dealer to find your optimum forklift.

Dealer:

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