

XVI

Stärke XVI Series new internal combustion counterbalanced forklifts bring bold improvement to the market with significant reductions in total operating costs, while improving truck performance, efficiency and productivity. Stärke XVI series feature new and innovative design and engineering and show Stärke's commitment to fulfilling customer needs, conserving our environment, and reducing costs of ownership.



Because it makes sense to expect peace of mind at a fair price



**PROFESSIONAL
XVI SERIES
INTERNAL COMBUSTION ENGINE FORKLIFTS
8,800-11,000 LB**



Stärke Material Handling Group is committed to providing a broad selection the toughest trucks for the most challenging applications. Every model is designed to deliver optimal efficiency, comprehensive operator ergonomics and safety, and unsurpassed reliability at an unbeatable value for your dollar.

Our family of products provides a solution for every material handling situation. From manual and electric pallet trucks, stackers, reach trucks, order pickers, dock stockers, three and four wheel electric forklifts, and up to 22,000 lb internal combustion engine forklifts - every piece of equipment we sell is backed by first class warranties, a fully stocked parts department, and a dealer network with factory supported technicians.

Stärke is German for 'strength' and it perfectly describes how we deliver in design, customer service and value. It describes our commitment to worker safety and to our products themselves, each built for years of trouble free service.



ISO 14001:2004

Our factory has adopted an effective environmental management system (EMS) that helps to support environmental protection and prevention of pollution. In doing so, we can effectively measure and reduce our environmental footprint.

ISO 9001:2008

We take pride in the fact our factory has a certified quality management system in design, development, manufacturing & service.

ANSI B56.1

Our customers can have confidence in the knowledge that all of our Stärke trucks meet and/or exceed all safety standards required by the current ANSI B56.1.

CAN/CSA B335

Stärke Material Handling Group diligently follows the requirements with respect to lift truck design and construction, maintenance and inspection, safe operation, and operator training when it comes to our products. All of our Stärke products meet and/or exceed all safety standards required by the current CAN/CSA B335.



XVI SERIES



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The Professional XVI Series of Heavy Duty LPG & Diesel Forklifts from Stärke Material Handling Group

STÄRKE IS STRENGTH



PROFESSIONAL XVI SERIES

High Performance and Comfort

Stärke forklifts are manufactured in an ISO accredited facility and conform to ANSI B56.1 and CSA B335 specifications. The latest CARB IV & EPA Tier IV approved engines are designed for fuel efficiency, low emissions, reduced noise and vibration.



FEATURES



Because it makes sense to expect peace of mind at a fair price



GM 4.3L LPG



DEUTZ TD 2.9 DIESEL

ENGINE

Depending on the application, the XVI Series offers IMPCO Carb IV GM 4.3L LPG engines. Designed with low fuel consumption in mind, while offering the high performance you would expect from a Stärke forklift. The NEW Tier IV Diesel engines to be introduced in 2017.

WET DISC BRAKES

- Wet disc brakes are standard on all Stärke Professional XVI series FG40-50 models, assuring dependable and reliable braking performance.
- Wet disc brakes with multiple discs require less maintenance and reduce service cost.
- Sealed for protection from dirt, dust, chemicals & the elements, the wet disc brakes are designed to create less heat and have a longer life.



Stärke Professional XVI series of forklifts have been designed to lift 8,800-11,000 lbs, available in diesel or LPG models. Stärke forklifts are designed with strength and durability in mind!

Optimal Performance & Ultimate Productivity



SUPERIOR COMFORT

- **Standard suspension seats** offer a more comfortable ride for operators
- **Flat floor surface** provides better foot position for greater operator comfort
- **Treaded foot plate** for non-slip access into operating compartment



PROGRAMMABLE DASH

Newly designed fully programmable dash, offering the ON/OFF function of the fuel gauge (diesel only), Celsius/Fahrenheit temperature gauge, with a LCD display panel.

IMPROVED ERGONOMICS

Adjustable smaller steering wheel is easy to operate providing ideal position reducing strain on operators arms and shoulders.

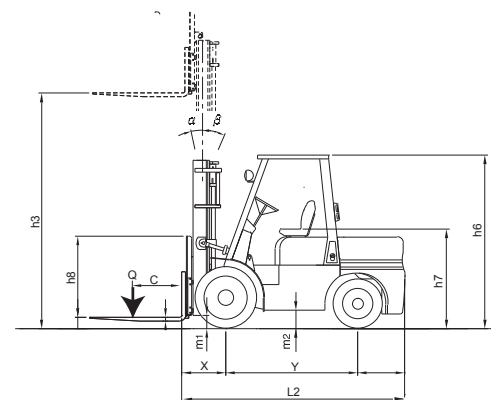
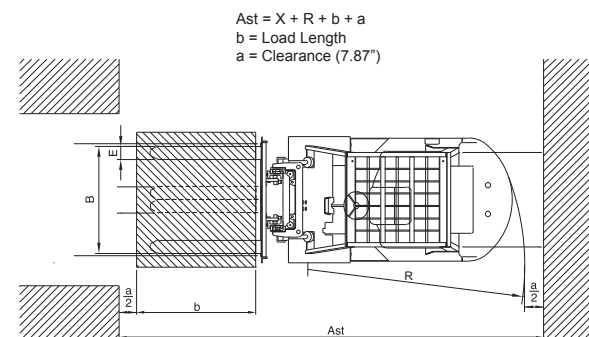
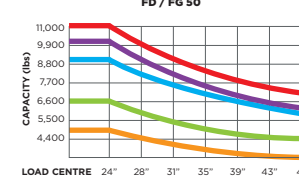
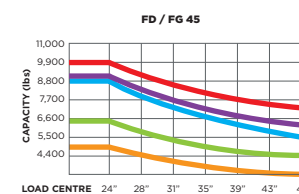
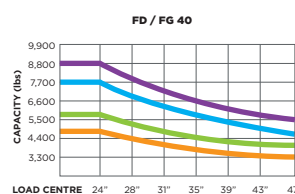
Hydraulic controls are designed to provide the perfect positions for the operator's hand to avoid undue stress.

Custom factory options including air pre-cleaners, cabins, attachments, fork sizes, seats, masts, LPG brackets, LED options & more.

STARKE Model			XVI FD40	XVI FG40	XVI FD45	XVI FG45	XVI FD50	XVI FG50
Load capacity	Q	Load	8800		9900		11000	
Load centre distance	C	Distance	24		24		24	
Power Type		Electric, Diesel, Gasoline, LPG	Diesel		LPG		Diesel	
Tires		S=Solid, P=Pneumatic	Pneumatic/Solid Resilient		Pneumatic/Solid Resilient		Pneumatic/Solid Resilient	
Operation Type		Pedestrian, Stand, Sit	Sit Down		Sit Down		Sit Down	
Mast	h3	Lift	78.7 - 270.0*		78.7 - 270.0*		78.7 - 270.0*	
Load Bracket	h8	Height of Load Bracket	48		48		48	
Fork	E	Thickness x Width (E)	2.0 x 5.9		2.0 x 5.9		2.0 x 5.9	
Mast Tilting Angle	a / B	Forward / Backward	6 / 12		6 / 12		6 / 12	
Overall Dimensions	L2	Length of Face to forks	123.0		125.0		130.9	
	B	Total width - Single / Dual Wheel	57.1 / 66.1		57.1 / 66.1		57.1 / 66.1	
	h6	Overhead Guard Height	91.3		91.3		91.3	
	h7	Seat Height	51.7		51.7		51.7	
Turning Radius	R		109.1		111.0		116.9	
Load Distance	X	Fron Center of Front Axle	22.4		22.4		22.4	
Aisle Width	Ast	For load 31.4 x 47.3 / 39.4 x 47.3	176.0 / 183.9		178.0 / 185.8		183.9 / 191.7	
Engine		Manufacturer	DEUTZ		IMPCO		DEUTZ	
		Type	Tier IV EPA		CARB IV		Tier IV EPA	
		Model	TD 2.9		GM 4.3L		TD 2.9	
		Speed	2500		2500		2500	
		Output	74.2		93.8		74.2	
		Cylinders no. / Displacement	No./cc		4 / 2925		6 / 4294	
Speeds		Travel Speed - laden / unladen	MPH 12.4 / 18.6		16.8 / 18.0		12.4 / 18.6	
		Lift Speed - laden / unladen	IN/S 16.4 / 15.7		16.4 / 16.7		16.4 / 15.7	
		Lowering Speed - laden / unladen	IN/S 17.7 / 15.7		17.7 / 15.7		17.7 / 15.7	
Drawbar Pull		Laden / Unladen	N 33810 / 21687		38670 / 23226		33810 / 21687	
Gradeability		Laden / Unladen	% 25 / 23		28 / 23		25 / 23	
		Laden - Front/Rear	LBS 21714 / 1562		21622 / 1470		22462 / 2310	
Axle Loading		Unladen - Front/Rear	LBS 6006 / 8470		5914 / 8378		6204 / 8668	
		Number - Front / Rear	2 / 2		2 / 2		2 / 2	
Tire Size		Front	300-15 20 P.R.		300-15 20 P.R.		300-15 20 P.R.	
		Rear	7.0-12-12 P.R.		7.0-12-12 P.R.		7.0-12-12 P.R.	
Tread		Center of Tires Front (std/dual)	IN 42.3 / 54.3		42.3 / 54.3		42.3 / 54.3	
		Center of Tires Rear	IN 46.9		46.9		46.9	
Wheelbase			IN 78.7		80.7		86.6	
Ground Clearance	m1	At lowest point	IN 5.5		5.5		5.5	
	m2	Center of Wheelbase	IN 9.8		9.8		9.8	
Service Brake		Operation / Control	Hydraulic		Hydraulic		Hydraulic	
Parking Brake		Operation / Control	Electronic		Electronic		Electronic	
Battery		Voltage	V 12		12		12	
		Capacity	Ah/Shr 88		88		88	
Transmission		Type	Single Powershift		Single Powershift		Single Powershift	

For the latest revisions visit our website at www.starkeforklift.com

* Various mast heights ranging from 78.7-270.0" available. See Mast Specification sheet for full details.
** All factory specifications are subject to change without notice.



NEW Wide Mast View

(Hoseless view even with 3rd and/or 4th functions installed)



360° CLEAR VIEW



Stärke Professional XVI series offers a Full Cabin design with a clear 360° view, shielding the operator from the elements and providing optimal sightlines. Ideal for maximizing productivity, minimizing product damage and improving safety.

