



# ECOMAXX SERIES

INTERNAL COMBUSTION ENGINE FORKLIFTS  
8,000-22,000 LB

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. Stärke Material Handling Group is committed to providing a broad selection of the toughest trucks for even the most challenging applications. Each model is designed to deliver optimal efficiency, superior 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 challenge. From manual and electric pallet trucks and stackers, 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 a first class warranty, fully stocked parts department, and a dealer network with factory trained technicians.

At Stärke Material Handling Group, we are dedicated to improving efficiencies and reducing energy consumption. Stärke offers EPA approved LPG and Diesel engines manufactured by proven companies including General Motors, Nissan, Perkins, Cummins and Yanmar. Low emissions and efficiency are the standard for Stärke forklifts and our commitment to environmental sustainability is ongoing. ♻️



The EcoMaxx Series of LPG, Gas & Diesel Forklifts from Stärke Material Handling Group



CE ISO9001 ASME  
CERTIFIED B56.1-2009

♻️ Printed on Recycled Paper

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# ECONOMICAL & ECOFRIENDLY

High Performance, Fuel Efficient, Low Emission Engines at a Great Value

Stärke forklifts are manufactured in an ISO9002 and CE accredited facility to ANSI B56.1 specifications, and use industry standard engines designed for low emissions and reduced noise.

All diesel and LPG models are available with US Environmental Protection Agency approved GM and Yanmar engines for advanced combustion technology and reduced fuel consumption.



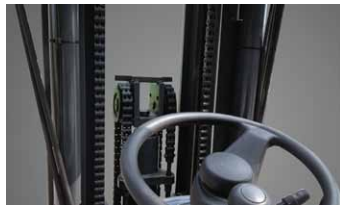
### Starke = Strength

A proven name you can trust for Strength and durability.



### FULL SUSPENSION SEAT

The full suspension seat delivers exceptional operator comfort and flexibility.



### WIDE VIEW MAST

Intelligent design and effective chain and hose placement allows for wider forward visibility from the operator seat.



### EASILY ACCESSIBLE CONTROLS

Intelligent design and effective chain and hose placement allows for wider forward visibility from the operator seat.



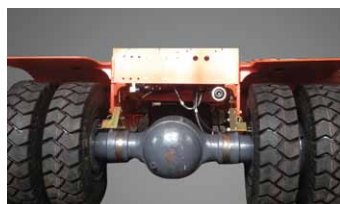
### SOLID OVERHEAD GUARD

As an integrated part of the chassis the overhead guard provides optimal durability and protection for your operators.



### INTEGRATED SAFETY FEATURES

Easily accessible step with non-slip surface and operator entry handles allow for safe entry and exit from the truck.



### RUGGED POWER TRAIN

The rugged power train in each EcoMaxx truck is designed to stand up to even the toughest jobs.

## AVAILABLE ENGINES



### GM 4.3L ENGINE FG 50-60-70 LPG

Classification **EPA Approved**  
Displacement 4294cc  
Rated Hp 122hp/3000rpm  
Max Torque 310ft-lb/3000rpm  
Bore x Stroke 4.00" x 3.48"  
# of Cylinders: 6

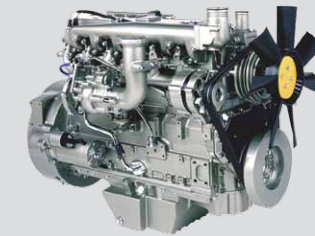


### CUMMINS QSB 3.3 C99 ENGINE FD 50-60 Diesel

Classification **EPA Approved**  
Rated Hp 99hp/2200rpm  
Max Torque 306ft-lb/1500rpm

### CUMMINS QSB 4.5 C110 ENGINE FD 70-80-100 Diesel

Classification **EPA Approved**  
Rated Hp 110hp/2200rpm  
Max Torque 360ft-lb/1500rpm

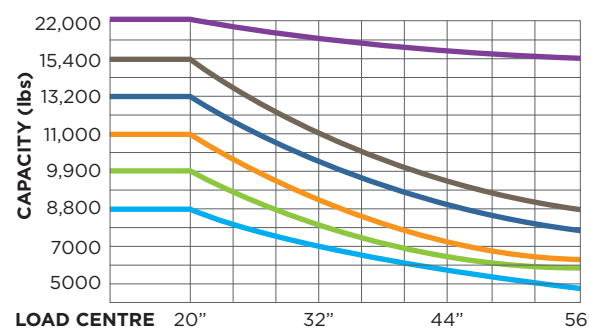


### PERKINS 1104D ENGINE FD 40-45 Diesel

Classification **EPA Approved**  
Displacement 4400cc  
Rated Hp 75hp/2200rpm  
Max Torque 192ft-lb/1900rpm  
Bore x Stroke 4.10" x 5.00"  
# of Cylinders: 4

GENERAL	Model Number	1	LPG MODELS			DIESEL MODELS						
			ECO-FG50PA	ECO-FG60PA	ECO-FG70PA	ECO-FD40PA	ECO-FD45PA	ECO-FD50PA	ECO-FD60PA	ECO-FD70PA	ECO-FD80PA	ECO-FD100PA
Power Type	2		Gasoline/LPG	Gasoline/LPG	Gasoline/LPG	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Rated Capacity	3	lb (Kg)	11000 (5000)	13200 (6000)	15400 (7000)	8000 (3636)	9000 (4090)	11000 (5000)	13200 (6000)	15400 (7000)	17600 (8000)	22000 (10000)
Load Centre	4	in (mm)	24 (600)	24 (600)	24 (600)	24 (600)	24 (600)	24 (600)	24 (600)	24 (600)	24 (600)	24 (600)
Mast Tilt Angle	F/R	7 Deg	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12
Overhang	Wheel Centre to Fork Face	8 in (mm)	23.2 (590)	23.2 (590)	23.4 (595)	22.4 (570)	22.4 (570)	23.2 (590)	23.2 (590)	23.4 (595)	29.5 (750)	29.5 (750)
Clearance	Bottom of Mast	9 in (mm)	7.9 (200)	7.9 (200)	7.9 (200)	6.3 (160)	6.3 (160)	7.9 (200)	7.9 (200)	7.9 (200)	9.8 (250)	9.4 (240)
Length	Rear to Face of Carriage	10 in (mm)	135.8 (3450)	135.8 (3450)	135.8 (3460)	126.8 (3220)	126.8 (3220)	135.8 (3450)	135.8 (3450)	140.2 (3560)	156.7 (3980)	168.5 (4280)
Overall Width		11 in (mm)	79.1 (2010)	79.1 (2010)	79.1 (2010)	58.3 (1480)	58.3 (1480)	79.1 (2010)	79.1 (2010)	79.1 (2010)	85.8 (2180)	85.4 (2170)
Overhead Guard Height		14 in (mm)	97.2 (2470)	97.2 (2470)	97.2 (2470)	91.3 (2320)	91.3 (2320)	97.2 (2470)	97.2 (2470)	97.2 (2470)	101.6 (2580)	101.2 (2570)
Minimum Turning Radius		15 in (mm)	128.0 (3250)	128.0 (3250)	128.0 (3250)	114.2 (2900)	114.2 (2900)	128.0 (3250)	128.0 (3250)	131.9 (3350)	145.7 (3700)	156.3 (3970)
Minimum Intersecting Aisle		16 in (mm)	116.5 (2960)	116.4 (2960)	119.7 (3040)	115.0 (2920)	115.0 (2920)	116.5 (2960)	116.5 (2960)	119.7 (3040)	130.3 (3310)	141.3 (3590)
Maximum Drive Speed	Laden	17 m(km)/hr	14.9 (24)	14.9 (24)	14.9 (24)	15.5 (25)	15.5 (25)	16.1 (26)	16.1 (26)	16.1 (26)	16.1 (26)	18.6 (30)
Lifting Speed	Laden	18 in(mm)/s	13.8 (350)	13.0 (330)	12.2 (310)	18.1 (460)	17.7 (450)	19.7 (500)	19.7 (500)	18.1 (460)	15.0 (380)	10.6 (270)
Lifting Height		19 in(mm)	118.1 (3000)	118.1 (3000)	118.1 (3000)	118.1 (3000)	118.1 (3000)	118.1 (3000)	118.1 (3000)	118.1 (3000)	118.1 (3000)	118.1 (3000)
Maximum Gradeability		20 %	20	20	15	20	20	20	20	20	20	20
Front Tire	Pneumatic	21	8.25-15-14 PR	8.25-15-14 PR	8.25-15-14 PR	300-15-18 PR	300-15-18PR	8.25-15-14 PR	8.25-15-14PR	8.25-15-14 PR	9.00-20-14 PR	9.00-20-14 PR
Rear Tire	Pneumatic	22	8.25-15-14 PR	8.25-15-14 PR	8.25-15-14 PR	7.00-12-12 PR	7.00-12-12 PR	8.25-15-14 PR	8.25-15-14PR	8.25-15-14 PR	9.00-20-14 PR	9.00-20-14 PR
Wheelbase		23 in (mm)	88.6 (2250)	88.6 (2250)	88.6 (2250)	82.7 (2100)	82.7 (2100)	88.6 (2250)	88.6 (2250)	88.6 (2250)	98.4 (2500)	110.2 (2800)
Service Weight		24 lb (Kg)	18810 (8550)	20130 (9150)	21450 (9750)	14190 (8550)	14696 (6680)	18810 (8550)	20130 (9150)	21450 (9750)	24112 (9750)	28820 (13100)
Engine Model		25	4.3L			1104D		QSB 3.3 C99		QSB 4.5 C110		
Engine Manufacturer		26	GM			Perkins		Cummins		Cummins		
Battery	Voltage and Capacity	27 V/Ah	12/80			(12/80) x2		(12/80) x2		(12/80) x2		
Transmission Type		28	Powershift/Automatic			Powershift/Automatic		Powershift/Automatic		Powershift/Automatic		
Transmission Stage		29 fwd/rvs	1/1 (2/2)			1/1 (2/2)		1/1 (2/2)		1/1 (2/2)		

REV 06-14



- ECO-FD/FG40PA
- ECO-FD/FG45PA
- ECO-FD/FG50PA
- ECO-FD/FG60PA
- ECO-FD/FG70PA
- ECO-FD/FG100PA

Right Angle Stack Aisle RASA  
Safety Clearance a  
Length of Loading b  
Turning Radius (inside) c

