FS

SHANDONG FENGSONG

INTELLIGENT TECHNOLOGY CO., LTD.

G SERIES
Diesel Forklifts

Internal Combustion Counterbalanced Forklift Trucks

5.0t | 6.0t | 7.0t | 8.0t | 10.0t | 12.0t

Models CPCD-G50L / G60 / G70 / G80 / G100 / G120X



SAFE · RELIABLE · EFFICIENT · DURABLE

SAFE · RELIABLE · ENERGY-SAVING · EFFICIENT

Product Overview

G Series · Design & Key Figures

Introduction

The G Series 5.0–12.0 t internal combustion counterbalanced forklift reflects the Fengsong commitment to becoming the most trusted brand in the industry. An 85 kW common-rail engine, cast-steel drive axle, standard dual front tires, load-sensing hydraulics and wide-view mast deliver power with control in ports, logistics, stone and steel handling.

5.0–12.0 t
Rated Capacity Range

3000 mm
Standard Lift Height

85 kW
Rated Engine Power

3320–4300 mm
Min. Turning Radius

Models

FS-G50 | FS-G60 | FS-G70 | FS-G80X | FS-G100 | FS-G120X



Core Features

Ten engineering highlights

1 85 kW High-Output Engine

An 85 kW common-rail engine delivers the torque and reliability demanded by continuous heavy-load duty.

2 Large-Diameter Cooling Fan

A large fan and wide-pitch radiator hold stable temperatures through long, heavy-duty shifts.

3 Integrated Electrical System

Fuses, relays and spares sit in a sealed under-hood box that is dust- and water-resistant and easy to service.

4 Ergonomic Controls

Integrated valve levers and grouped electrical switches put every control within easy reach.

5 Stamped Steel Hood

A stamped steel hood adds rigidity; neatly routed harnesses stay clean-looking and easy to maintain.

6 E-Coated Overhead Guard

E-coated, robot-welded overhead guard with consistent weld quality and lasting rigidity.

7 Cast-Steel Drive Axle + Dual Front Tires

A cast-steel axle housing carries heavier loads; standard dual front tires widen the footprint for steadier handling.

8 Wide-View Mast

Wider CJ-section mast channels open the forward view while keeping the mast rigid and safe.

9 Load-Sensing Hydraulics

Full load-sensing hydraulics with steering priority ease steering; 24° cone plus O-ring seals cut leakage.

10 Digital Stepper Cluster + CAN Bus

A CAN-bus digital stepper cluster gives clear readouts and real-time machine status.

Power & Engine System

Diesel powertrain · configuration confirmed at order

Diesel Power

Model and configuration confirmed at order

Common Rail

More complete combustion, lower fuel consumption

Low Emissions

Configured to meet export-market requirements

Engine manufacturer/model: Diesel engine, model confirmed at order

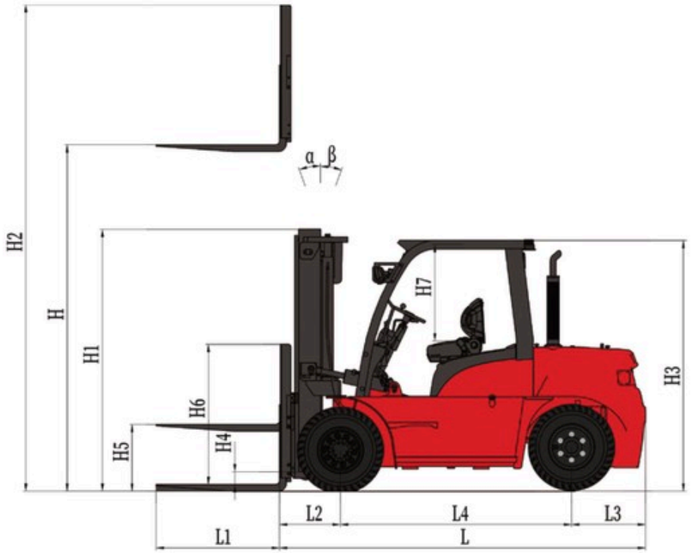
Product Details

Exterior, contour and turning aisle



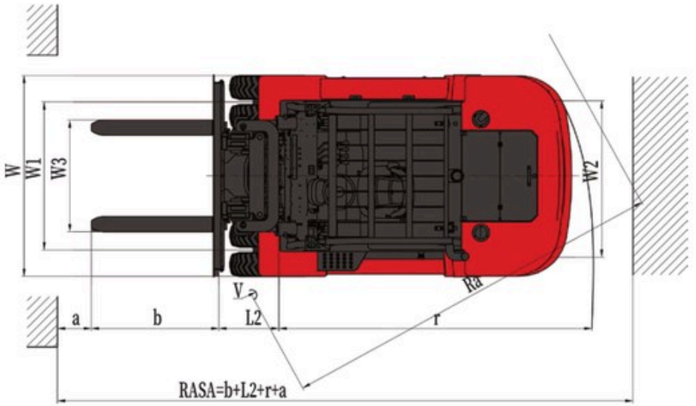
Wide-View Mast / Exterior

A wider mast opens up the operator view; clean, robust body lines built for heavy duty.



Side View / Overall Dimensions

Key overall dimensions clearly annotated for a compact, well-balanced, load-ready design.



Top View / Turning Aisle

Plan view relates turning radius to aisle width for confident tight-aisle planning.

Performance & Ergonomics

Key figures and operator comfort

23–30
Max. Travel Speed (km/h)

350–520
Max. Lift Speed (mm/s)

20/25
Gradeability (%)

3320–4300
Min. Turning Radius (mm)

70
Max. Traction (kN)

3000
Standard Lift Height (mm)

Ergonomics Highlights

- Compact 300 mm tilt-adjustable steering wheel reduces operator fatigue;
- Wider legroom and a lower step make entry and exit easier;
- Anti-slip step and welded grab handle for safe, easy access;
- Wide-opening hood gives quick access to the engine bay for daily service.

Technical Parameters (I)

Technical Parameters · General Data

Parameter	FS-G50	FS-G60	FS-G70	FS-G80X	FS-G100	FS-G120X
Manufacturer	FENGSONG	FENGSONG	FENGSONG	FENGSONG	FENGSONG	FENGSONG
Model	FS-G50	FS-G60	FS-G70	FS-G80X	FS-G100	FS-G120X
Rated load lifting capacity Q(kg)	5000	6000	7000	8000	10000	12000
Rated load center distance c(mm)	600	600	600	600	600	600
Power type	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Service weight (kg)	8330	8800	9550	9900	12900	14000
Tire type	Pneumatic tyre	Pneumatic tyre	Pneumatic tyre	Pneumatic tyre	Pneumatic tyre	Pneumatic tyre
Front tire specifications	2-8.25-15-14PR	2-8.25-15-14PR	2-8.25-15-14PR	2-8.25-15-14PR	2-9.00-20-14PR	2-9.00-20-14PR
Rear tire specifications	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	9.00-20-14PR	9.00-20-14PR
Max. lift height H4(mm)	3000	3000	3000	3000	3000	3000

Technical Parameters (II)

Technical Parameters · Dimensions & Performance

Parameter	FS-G50	FS-G60	FS-G70	FS-G80X	FS-G100	FS-G120X
Mast lowered height (mm)	2500	2500	2500	2560	2850	2850
Overall height (overhead guard) H6(mm)	2450	2450	2450	2560	2560	2560
Length (to the vertical plane of the fork) l2(mm)	3480	3480	3580	3830	4340	4540
Width b1(mm)	2000	2000	2000	2000	2200	2200
Fork size (L*W*H) l/s/e(mm)	1220×150×60	1220×150×60	1220×150×65	1220×150×65	1520×180×75	1520×180×100
Min. ground clearance mm	200	200	200	260	250	250
Max. travelling speed (full load/no load) km/h	25/30	25/30	25/30	25/30	25/30	23/28
Max. lift speed (full load/no load) mm/s	500/520	500/520	450/490	442/484	350/390	350/390
Engine manufacturer/model	Diesel engine, model confirmed at order	Diesel engine, model confirmed at order	Diesel engine, model confirmed at order	Diesel engine, model confirmed at order	Diesel engine, model confirmed at order	Diesel engine, model confirmed at order

Specifications are indicative; final figures confirmed at order.

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Committed to Being the Most Trusted Brand

Trusted performance, engineered for the toughest duty cycles.



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