



FKS™ Series, 90" wheelbase



Model	Capacity	Load center
F230	23,000 lbs.	24"
F240	24,000 lbs.	24"
F250	25,000 lbs.	36"
F250 @ 30	25,000 lbs.	30"
F300	30,000 lbs.	24"
F300 @ 30	30,000 lbs.	30"
F300 @ 36	30,000 lbs.	36"
F350	35,000 lbs.	24"

Hoist Liftruck Manufacturing, Inc.

6499 W. 65th Street
Bedford Park, IL 60638

The HOIST® product line is full of rugged and efficient materials-handling solutions for every aisle, dock and corner of your facility. To learn more about HOIST® products, log on to the Web at www.hoistlift.com. And if you don't see what you need there, talk to us in person at 800.367.5600. We'll work with you.

Legendary reliability:

Built for robustness and designed to last, a HOIST® liftruck® will provide reliable service in the most heavy-duty applications, day after day, year after year.

Ergonomic consideration:

HOIST® engineers design each operator environment for ease of use, superior visibility and comfort.

100% Replacement parts: In-stock, same-day shipping!



FKS™ Series: F230@24 - F350@24 90" Wheelbase

LP-, gasoline-, diesel- powered liftruck®

Capacities: 23,000 lbs. - 35,000 lbs.

FKS™ Series liftrucks®

The FKS™ Series liftruck® is the essential tool for maximum productivity. Combined with a wide range of available capacities, masterfully engineered ergonomics strengthen the already superior performance of FKS™ Series trucks.

Operator environment

HOIST® designers engineered the FKS™ for maximum productivity, with a cab environment configured around the fatigue-reducing needs of human operators.

- Rubber-mounted cab, isolated from frame to reduce noise and vibration: noise levels as low as 77 decibels
- Low profile for unmatched 360° visibility
- Adjustable semi-suspension seat equipped with hip restraints, retractable seat belts
- Optional "Air-Ride" seat
- Center- or left-side-mounted cab
- 18 In. step for easy access from both sides
- Several riser options available for maximum visibility
- Easy entry/exit design, non-skid steps
- Padded floor cover
- Tilt-steering column
- Illuminated digital instrument display
- "Soft-touch" hydraulic levers
- Column-mounted directional shifter
- Horn button and steering knob mounted on steering wheel

Engines

- Standard GM 5.7L V8
-Horsepower: max. 147 @ 2500 rpm
-Torque: max. 247 lbf-ft @ 1700 rpm
- LP gas standard (tanks not included) - Low-mount, swing-out LP tank brackets
- Gasoline or dual fuel options available
- Optional diesel: Cummins 5.9L I-6
- Horsepower: max. 152 @ 2500 rpm
- Torque: max. 414 lbf-ft @ 1600 rpm
- Meets tier 3 emissions requirements

Transmission and drive axle

- HOIST® 3-speed Powershift (Autoshift) designed for heavy-duty operation
- Electronically-controlled 12-plate modulation for closer gear ratios and smooth shifting

- Externally mounted pump and integral filter allow easy maintenance
- Traction load axle: heavy-duty, planetary drive axle designed for high load capacities, extended service life and reduced maintenance - -All gears heat-treated, precision-ground

Hydraulic system

Soft-touch control levers allow smooth, comfortable, controlled operation.

- Load-sensing, on-demand system provides smooth and reliable control while limiting demand on the powerplant
- Piston pump provides superior control and quiet operation
- Fuse in lift cylinder protects against sudden loss of pressure. If lift hose breaks, lift cylinder locks safely in position
- Optional tilt cab for complete access to powertrain and hydraulic system

Steering system

Heavy-duty steer axle features heavy alloy steel plate sections around single, double-acting cylinder.

- Full turn of wheels provides maneuverability in tight areas while maintaining directional tracking of tire, with no skidding or premature tire wear

Brakes

Large drum-type braking surfaces provide ample capacity, reliability and ease of use.

- No overheating or "glazing"
- Hand-actuated disc-type parking brake with instrument panel warning light warns operator When brake is engaged.

Mast design

Heavy-duty mast rails provide superior visibility and full capacity at maximum lift heights.

- Lift heights available to 275 in.
- Mast options available for widely varying needs: consult factory for more information
- Optional freelif for left-hand seat position

- Optional wide-view mast for center seat position
- Optional 3-stage masts extend lift heights: see dealer for restrictions and special requirements

Carriages

High-visibility carriage allows maximum productivity.

- Integral side-thrust rollers provide uncompromised strength and visibility

Forks

Pallet forks standard (must specify). Optional pin-mount, machine-contoured forks provide maximum strength and visibility without damaging loads.

Options

- Tilting cab conveniently reveals instant access to powertrain and hydraulic system
- Hydraulic floating cab for operator comfort eliminates vibration, ideal for operation in rough terrain/on uneven flooring surfaces
- Cab heater, windshield wiper and defroster for cold weather applications
- Air conditioning
- Fire-safe fluids
- Special attachments and tools
- See your HOIST® dealer for more information!

Serviceability

The HOIST® FKS™ Series truck is engineered with your mechanic in mind: all components are well-placed for easy access and quick maintenance:

- Hinged side doors provide excellent access to engine compartment
- Hydraulic pump, hoses and tubes and wiring harnesses are accessible and easy to inspect

Safety

The FKS™ Series chassis and rims are painted high-visibility "HOIST® yellow". The mast and over-head guard are painted anti-glare black. The truck complies with all currently valid ANSI, OSHA, CE, and EU directives for industrial trucks, and arrives standard with the following:

- Audible backup alarm
- Two adjustable headlights, two tail/stop/turn indicators
- Amber strobe warning light

Low Height: In (mm)	Maximum Fork Height: in (mm)	Free Lift* in (mm)
F230 –350 MonoMast Recommended Recommended for LH Seat		
107 (2717)	63.5 (1613)	60 (1524)
154 (3911)	107.25 (2724)	100.75 (2559)
F230 –350 Free Lift 2 Stage Recommended for LH Seat		
87 (2210)	75.5 (1918)	29.5 (749)
93 (2362)	86.5 (2197)	35.5 (902)
103 (2612)	110.75 (2813)	45.5 (1156)
111 (2819)	123.5 (3137)	42.19 (1072)
120 (3048)	143.5 (3645)	51.19 (1300)
132 (3353)	171.5 (4356)	51.19 (1300)
F230 –350 2 Stage HI-VIS Recommended for LH Seat		
112.7 (2864)	103 (2616)	.
124.2 (3156)	126.5 (3213)	.
F230 –350 2 Stage Wide-View Recommended for Center Seat		
111.5 (2832)	99 (2515)	.
119 (3023)	114 (2896)	.
129.5 (3289)	135 (3429)	.
154.5 (3924)	185 (4699)	.
F230 –350 3 Stage Wide-View Recommended for Center Seat		
111.5 (2832)	146.75 (3727)	41.69 (1059)
119 (3023)	169.25 (4299)	49.19 (1249)
154.5 (3924)	275.25 (6991)	84.69 (2951)





Liftruck specifications: FKS™ Series, 90” Wheelbase

	HOIST®	HOIST®	HOIST®	HOIST®	HOIST®	HOIST®	HOIST®	HOIST®	HOIST®
General	1 Manufacturer	HOIST®	HOIST®	HOIST®	HOIST®	HOIST®	HOIST®	HOIST®	HOIST®
	2 Model	F230@24	F240@24	F250@24	F250@30	F300@24	F300@30	F300@36	F350@24
	3 Capacity, rated lb. (kg)	23,000 (10442)	24,000 (10896)	25,000 (11350)	25,000 (11350)	30,000 (13620)	30,000 (13620)	30,000 (13620)	35,000 (15890)
	4 Load center lb. (kg)	24 (610)	24 (610)	24 (610)	30 (762)	24 (610)	30 (762)	36 (914)	24 (610)
	5 Power type	gas/LP/diesel	gas/LP/diesel	gas/LP/Diesel	gas/LP/diesel	gas/LP/diesel	gas/LP/diesel	gas/LP/diesel	gas/LP/diesel
	6 Operator type	sitdown	sitdown	sitdown	sitdown	sitdown	sitdown	sitdown	sitdown
	7 Tire type, front/rear	solid/solid	solid/solid	solid/solid	solid/solid	solid/solid	solid/solid	solid/solid	solid/solid
	8 Wheels, front/rear x=driven	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2
Dimensions	10 2-Stage mast, (TOF) in. (mm)	110.75 (2813)	110.75 (2813)	110.75 (2813)	110.75 (2813)	110.75 (2813)	110.75 (2813)	110.75 (2813)	110.75 (2813)
	11 Free lift in. (mm)	45.5 (1156)	45.5 (1156)	45.5 (1156)	45.5 (1156)	45.5 (1156)	45.5 (1156)	45.5 (1156)	45.5 (1156)
	12 Optional 3-stage full free-lift (FFL), (TOF) with / w/o LBR in. (mm)	See mast options chart on back page	See mast options chart on back page	See mast options chart on back page	See mast options chart on back page	See mast options chart on back page	See mast options chart on back page	See mast options chart on back page	See mast options chart on back page
	13 Forks, width/thickness in. (mm)	7 x 3.5 (178 x 89)	7 x 3.5 (178 x 89)	7 x 3.5 (178 x 89)	7 x 3.5 (178 x 89)	7 x 3.5 (178 x 89)	7 x 3.5 (178 x 89)	7 x 3.5 (178 x 89)	7 x 3.5 (178 x 89)
	14 Tilt angle, forward/backward degree	9°/9°	9°/9°	9°/9°	9°/9°	9°/9°	9°/9°	9°/9°	9°/9°
	15 Length to face of forks in. (mm)	138 (3505)	138 (3505)	138 (3505)	138 (3505)	144 (3658)	144 (3658)	148 (3759)	144 (3658)
	16 Overall width, standard tires in. (mm)	62 (1575)	62 (1575)	62 (1575)	62 (1575)	62 (1575)	62 (1575)	62 (1575)	62 (1575)
	17 Height, standard mast lowered in. (mm)	103 (2616)	103 (2616)	103 (2616)	103 (2616)	103 (2616)	103 (2616)	103 (2616)	103 (2616)
	18 Height, standard mast ext. - w/o LBO in. (mm)	164.75 (4185)	164.75 (4185)	164.75 (4185)	164.75 (4185)	164.75 (4185)	164.75 (4185)	164.75 (4185)	164.75 (4185)
	19 Turning radius, minimum outside in. (mm)	126 (3200)	126 (3200)	126 (3200)	126 (3200)	132 (3353)	132 (3353)	135 (3429)	132 (3353)
	20 Center of drive wheel to face of forks in. (mm)	24 (610)	24 (610)	24 (610)	24 (610)	24 (610)	24 (610)	24 (610)	24 (610)
	22 Aisle width in. (mm)	117.5 (2985)	117.5 (2985)	117.5 (2985)	117.5 (2985)	122.6 (3114)	122.6 (3114)	125.7 (3192)	122.6 (3114)
	23 Stability (comply with ANSI, CE)*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Performance	24 Travel speed, powershift empty/loaded mph (km/hr)	8.2 (13.2)/8 (12.8)	8.2 (13.2)/8 (12.8)	8.2 (13.2)/7.9 (12.6)	8.1 (13)/7.9 (12.6)	8.1 (13)/7.8 (12.5)	8.0 (12.9)/7.8 (12.5)	8.0 (12.9)/7.7 (12.3)
25 Lift speed, standard mast empty/loaded ft./min (m/s)		consult factory	consult factory	consult factory	consult factory	consult factory	consult factory	consult factory	consult factory
Opt. 3-stage full free-lift (FFL) empty/loaded ft./min (m/s)		consult factory	consult factory	consult factory	consult factory	consult factory	consult factory	consult factory	consult factory
26 Lowering, std. mast, NL/RL ft./min (m/s)		consult factory	consult factory	consult factory	consult factory	consult factory	consult factory	consult factory	consult factory
Opt. 3-stage full free-lift (FFL) empty/loaded ft./min (m/s)		consult factory	consult factory	consult factory	consult factory	consult factory	consult factory	consult factory	consult factory
27 Drawbar pull, powershift, max. 1 mph lb. (kN)		8316 (37)	8316 (37)	8316 (37)	8316 (37)	8316 (37)	8316 (37)	8316 (37)	8316 (37)
28 Gradeability @ .9 coef. empty/loaded	32%/59.5%	31%/59.6%	29.3%/59.7%	29.1%/58.5%	28.7%/54%	28.3%/52%	27.2%/50%	27%/49%	
Weight	30 Total approximate weight, standard truck lb. (kg)	32,903 (14956)	33,120 (15055)	33,547 (15250)	35,400 (16091)	37,380 (16955)	40,420 (18334)	41,070 (18629)	42,890 (19455)
	31 Axle loading, static, front empty/loaded lb. (kg)	16,183 (7356)/54,183 (24629)	16,175 (7352)/52,975 (24080)	16,097 (7317)/55,680 (25309)	15,850 (7205)/57,100 (25955)	14,800 (6713)/62,390 (28300)	15,150 (6872)/65,930 (29905)	14,960 (6786)/67,890 (30794)	14,870 (6745)/71,660 (32504)
	Axle loading, static, rear empty/loaded lb. (kg)	16,720 (7600)/2720 (1236)	16,945 (7702)/4145 (1884)	17,450 (7932)/2867 (1303)	19,550 (8886)/3300 (1500)	22,580 (10242)/4990 (2263)	25,270 (11462)/4310 (1955)	26,110 (11843)/3180 (1442)	28,020 (12710)/6230 (2826)
Chassis	32 Number tires, front/rear	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2
	33 Size tires, front	28x18x22	28x18x22	28x18x22	28x18x22	28x18x22	28x18x22	28x18x22	28x18x22
	34 Size tires, rear	22x1 0x16	22x1 0x16	22x1 0x16	22x1 0x16	22x1 0x16	22x1 0x16	22x1 0x16	22x1 0x16
	35 Wheelbase in. (mm)	90 (2286)	90 (2286)	90 (2286)	90 (2286)	90 (2286)	90 (2286)	90 (2286)	90 (2286)
	36 Tread width, center of steer tires, single in. (mm)	50.3 (1277)	50.3 (1277)	50.3 (1277)	50.3 (1277)	50.3 (1277)	50.3 (1277)	50.3 (1277)	50.3 (1277)
	Tread width, center of drive tires, single in. (mm)	44 (1118)	44 (1118)	44 (1118)	44 (1118)	44 (1118)	44 (1118)	44 (1118)	44 (1118)
	37 Ground clearance, no load, lowest point in. (mm)	5.5 (140)	5.5 (140)	5.5 (140)	5.5 (140)	55 (140)	5.5 (140)	5.5 (140)	5.5 (140)
	38 Ground clearance, no load, center whlbs. in. (mm)	7 (178)	7 (178)	7 (178)	7 (178)	7 (178)	7 (178)	7 (178)	7 (178)
Drivetrain	39 Brakes, method of control, service/parking	hydraulic/mechanical	hydraulic/mechanical	hydraulic/mechanical	hydraulic/mechanical	hydraulic/mechanical	hydraulic/mechanical	hydraulic/mechanical	hydraulic/mechanical
	40 Brakes, method of operation, service/parking	foot/hand	foot/hand	foot/hand	foot/hand	foot/hand	foot/hand	foot/hand	foot/hand
	42 Battery, volts/cold-cranking amps	12/630	12/630	12/630	12/630	12/630	12/630	12/630	12/630
	46 Engine, make and model	GM 5.7L/Cummins 6BT5.9	GM 5.7L/Cummins 6BT5.9	GM 5.7L/Cummins 6BT5.9	GM 5.7L/Cummins 6BT5.9	GM 5.7L/Cummins 6BT5.9	GM 5.7L/Cummins 6BT5.9	GM 5.7L/Cummins 6BT5.9	GM 5.7L/Cummins 6BT5.9
	47 Output per SAE standards, gas/LP/diesel hp (kW)	LP 147 (1 10)/Diesel 152 (113)	LP 147 (1 10)/Diesel 152 (113)	LP 147 (1 10)/Diesel 152 (113)	LP 147 (110)/Diesel 152 (113)	LP 147 (110)/Diesel 152 (113)	LP 147 (110)/Diesel 152 (113)	LP 147 (110)/Diesel 152 (113)	LP 147 (110)/Diesel 152 (113)
	48 Governed speed, NL RPM	2500	2500	2500	2500	2500	2500	2500	2500
	49 Number of cylinders/displacement cu. in. (cm³)	8/5.7L ~-6/5.9L	8/5.7L ~-6/5.9L	8/5.7L ~-6/5.9L	8/5.7L ~-6/5.9L	8/5.7L ~-6/5.9L	8/5.7L ~-6/5.9L	8/5.7L ~-6/5.9L	8/5.7L ~-6/5.9L
	51 Clutch type, powershift	torque converter	torque converter	torque converter	torque converter	torque converter	torque converter	torque converter	torque converter
	52 Gear-change type, powershift	hand	hand	hand	hand	hand	hand	hand	hand
	53 Number of speeds, forward/reverse	3/3	3/3	3/3	3/3	3/3	3/3	3/3	3/3
54 Transmission	Powershift (Autoshift)	Powershift (Autoshift)	Powershift (Autoshift)	Powershift (Autoshift)	Powershift (Autoshift)	Powershift (Autoshift)	Powershift (Autoshift)	Powershift (Autoshift)	
55 Maximum hydraulic pressure psi (kPa)	2500 (17240)	2500 (17240)	2500 (17240)	2500 (17240)	2500 (17240)	2500 (17240)	2500 (17240)	2500 (17240)	
58 Sound level avg. at operator's ear per ANSI B56.1 1.5 dBA	77	77	77	77	77	77	77	77	

Note: Specifications in this document apply to standard equipment. Actual specifications and performance may vary depending on a truck's spec, its actual condition, and operating environment. Specific applications should be reviewed with a HOIST® dealer.

