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XF Series LPG Cushion Tire Forklift

with capacities of 3,000 to 6,500lbs

Making Material Handling Easier
SINCE 1956



CONCEPT

Designed for the North American market, the XF Series LPG Cushion Tire Forklift from Hangcha Group is built to meet the needs of warehouses, distribution centers, and manufacturing facilities. This forklift features a capable lifting capacity of 3,000-6,500lbs. This forklift also includes the latest advancements from Hangcha. These advancements include LED efficient lighting, a load-sensing hydraulic system, a low-emission engine, noise & vibration control, and a new control system. This is the LPG Cushion Tire Forklift from Hangcha Group.



LED Light System and Environmentally-Friendly Materials



LED lights are used throughout the entire truck. The lights are energy efficient, have a longer service life, and offer a significant increase in performance.

Environmentally-friendly materials are also used throughout the truck to minimize environmental damage and impact.

Large LCD Instrument Panel



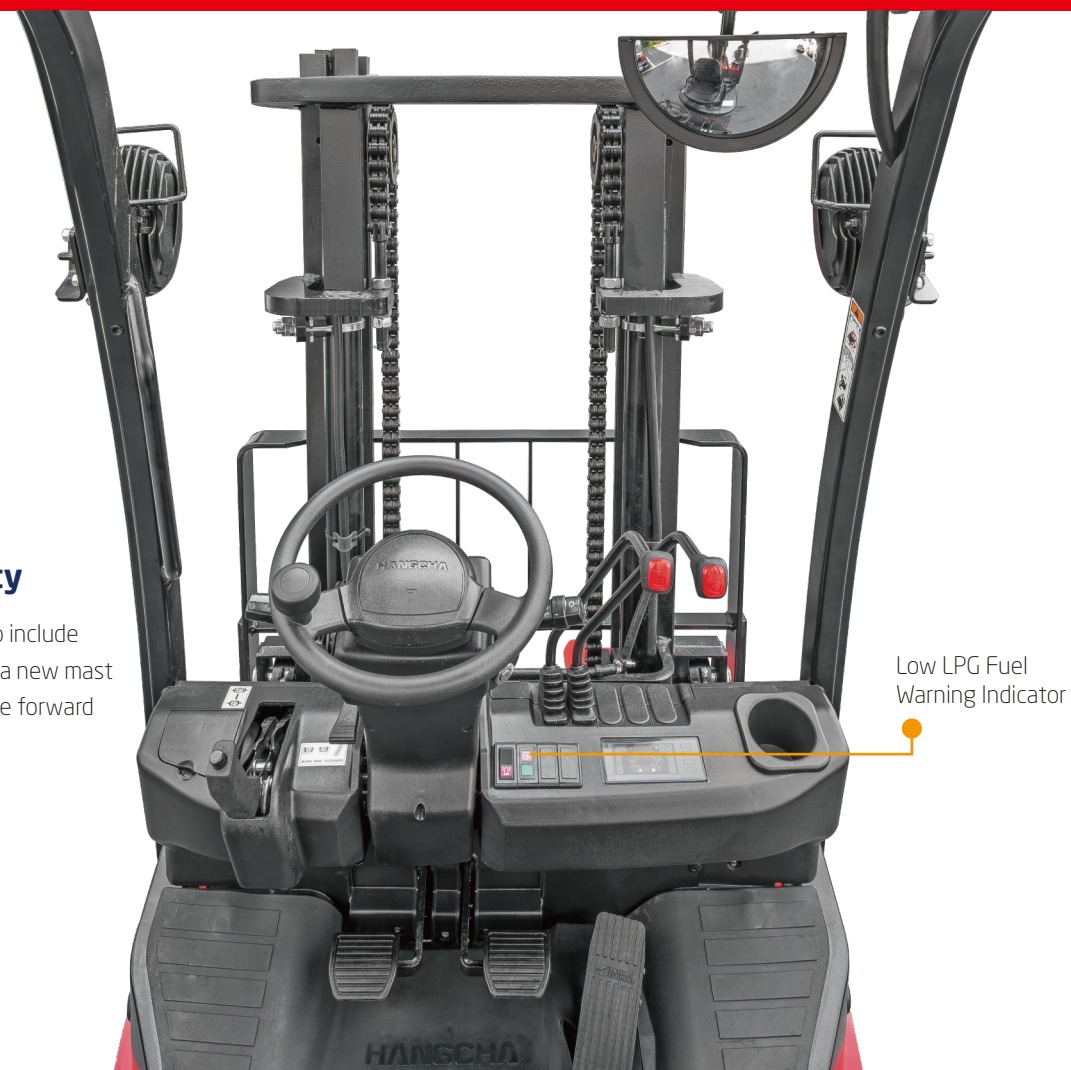
The newly developed LCD instrument display has additional functions and offers more stable performance. Important information including the running status of the entire truck and a check engine light can be displayed. This allows the operator to easily understand the status of the truck for easy maintenance.





The Wide View Mast Offers Better Visibility

The mast has been redesigned to include new types of steel channels and a new mast system. This was done to increase forward visibility for the operator.



Low LPG Fuel
Warning Indicator

The New Integrated Fuse Box

The next generation of integrated fuse box has been added to the truck. It offers a better layout, ease of service and maintenance, and is waterproof.

The entire truck is equipped with waterproof connectors to increase the electronics' reliability.



Panoramic Rearview Mirror

The panoramic rearview mirror allows the operator to have wider rear visibility when operating the forklift.



Reliable Hydraulic System

The hydraulic system has a longer service life and an increase in efficiency thanks to the optimized hydraulic breather structure with a built-in return oil filter and the load-sensing hydraulic steering system.

Optimized Cooling System

The cooling system has been designed to maximize cooling and increase the reliability of the engine when working under heavy loads. This system uses an aluminum radiator, independent oil cooler, optimized heat transfer channel and a dual-hole counterweight to increase cooling efficiency.





Ergonomic Design

The small diameter, adjustable steering wheel, electro-hydraulic steering, and the combination switch increase the ease of operation and operator comfort substantially.



The Interactive Instrument Display

The instrument display is made up of a 4" color LCD screen with four interactive buttons and one CANBUS communication function. The communication protocol is compatible with CANopen and SAE J1939 standards.



North American EPA Certified Engines

The New GCT GK21/25 engines are in compliance with North American EPA emissions standards. Although they meet these standards, they still have the power and torque to get the job done. These engines are also electronically controlled to increase the fuel economy and the reliability of the forklifts.



OKAMURA Transmission

The world-renown OKAMURA transmission comes standard in our XF Series LPG Cushion Tire Forklift. This transmission was chosen as a part of our forklift's design for its reliability. The gear pump is also extremely efficient.



Large Hand Grip

The large hand grip on the overhead guard is designed to allow the operator to get in and out of the truck safer and easier.



High-Strength Overhead Guard

The overhead guard is fabricated with specially shaped steel tubes to increase its structural rigidity and strength. It is also designed to be easily disassembled and reassembled for repairs. The guard features a flexible connection between it and the chassis to decrease vibrations. All of these features are responsible for increasing operator safety and comfort.



Steering Axle

The steering axle uses large conical bearings on the master pin, buffer blocks, and a large-diameter steering cylinder to substantially increase the reliability and service life of the steering system.



Swing-Out LP Bracket

The swing out LP cylinder holder makes replacing the LP cylinder and opening the maintenance hatch for service easy.

Maintenance Hatch with a Safety Latch

The maintenance hatch opens wide enough to provide easy serviceability of key components. The safety latch prevents the hatch from compromising operator safety when using the truck.

Standard Configuration

- / Traction Unit
- / Small Diameter Steering Wheel
- / Integrated Combination Switch
- / Extended Hand Grip
- / Adjustable Steering Wheel
- / Mechanical Parking Brake (with self-lock)
- / Suspension Seat with Safety Belt
- / Large Capacity Aluminum Radiator
- / Dynamic Load Sensing System
- / Overhead Guard
- / Whirlwind High-Efficiency Air Filter
- / Safe Filter Element
- / Inclined Oil Way Latching Valve
- / Panoramic Rear View Mirror
- / Highly Efficient Exhaust Muffler
- / Hydraulic Oil Dipstick
- / Smooth Cushion Tire
- / Access/Exit Safe Step
- / Highly efficient LED Combination Front and Rear Lights
- / Large Rubber Pedal Pad
- / Full Floating Transmission
- / Maintenance-Free Battery
- / Transmission Oil Filter
- / Hydraulic Oil Return Filter
- / Combined LCD Meters
- / Maintenance Hatch Spring

- / Integrated Controller
- / Gearbox Oil Cooler
- / Clipboard
- / Alarm Light
- / Non-Asbestos Brakes
- / Electro-Hydraulic Steering
- / Charging Reminder
- / Load-Sensing Steering System
- / Suspended Operation Pedal
- / Oil Gauge
- / Water Thermometer
- / Cup Holder
- / Pre-heating Indication
- / Limited Free Lift 2 Stage Mast
- / Charging Indication
- / Standard Fork
- / Timer
- / Standard Carriage
- / Engine Oil Pressure Alarm
- / Standard Load Backrest
- / Gearbox Oil Temperature Alarm
- / Maintenance Reminder
- / Load Safety Valve
- / Fan Protector
- / Horn
- / Soft Landing System
- / Reverse Buzzer

- / Mast Lifting Buffer Device
- / Tilt Piston Rod Jacket
- / Rear Reverse Grip with Horn Button
- / Front Acoustic Hood of Steering Wheels
- / Low LPG Fuel Warning Indicator
- / Soundproof Pad on Maintenance Hatch
- / Speed Control Switch
- / 20lb Swing-Out LP bracket (3000-3500lbs)
- / 32lb Swing-Out LP bracket (4000-6500lbs)
- / Operator Presence Sensing System (OPS)

3000-3500lbs XF Series Mast:

Type	Model	Max. Fork Height	Overall Height			Free Lift		Front Overhang	Tilt Range	Capacity		
			Lowered	Extended		Without Backrest	With Backrest			F/R	Load Capacity at 24 in (600mm)	
				Without Backrest	With Backrest						3000lb(1.5t)	3500lb(1.8t)
		in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	(°)	lb(kg)	lb(kg)	
Limited Free Lift 2 Stage Mast	XFC15M200	78.7 (2000)	57.6 (1464)	99.7 (2533)	116.3 (2955)	5.3 (135)	5.3 (135)	15.4 (391)	616	3000 (1360)	3500 (1600)	
	XFC15M250	98.4 (2500)	67.5 (1714)	119.4 (3033)	136 (3455)	5.3 (135)	5.3 (135)	15.4 (391)	618	3000 (1360)	3500 (1600)	
	XFC15M270	106.3 (2700)	71.4 (1814)	127.3 (3233)	143.9 (3655)	5.3 (135)	5.3 (135)	15.4 (391)	618	3000 (1360)	3500 (1600)	
	XFC15M300	118.1 (3000)	77.3 (1964)	139.1 (3533)	155.7 (3955)	5.3 (135)	5.3 (135)	15.4 (391)	618	3000 (1360)	3500 (1600)	
	XFC15M330	129.9 (3300)	83.2 (2114)	150.9 (3833)	167.5 (4255)	5.3 (135)	5.3 (135)	15.4 (391)	618	3000 (1360)	3500 (1600)	
	XFC15M350	137.8 (3500)	87.2 (2214)	158.8 (4033)	175.4 (4455)	5.3 (135)	5.3 (135)	15.4 (391)	618	3000 (1360)	3500 (1600)	
	XFC15M360	141.7 (3600)	91.1 (2314)	162.7 (4133)	179.3 (4555)	5.3 (135)	5.3 (135)	15.4 (391)	618	3000 (1360)	3500 (1600)	
	XFC15M400	157.5 (4000)	100.9 (2564)	166.7 (4533)	183.3 (4955)	5.3 (135)	5.3 (135)	15.4 (391)	618	3000 (1360)	3500 (1600)	
	XFC15M430	169.3 (4300)	106.9 (2714)	178.5 (4833)	195.1 (5255)	5.3 (135)	5.3 (135)	15.4 (391)	616	3000 (1360)	3500 (1600)	
	XFC15M450	177.2 (4500)	110.8 (2814)	190.3 (5033)	206.9 (5455)	5.3 (135)	5.3 (135)	15.4 (391)	616	3000 (1360)	3350 (1520)	
Full Free Lift 2 Stage Mast	XFC15M470	185 (4700)	114.7 (2914)	1206 (5233)	222.6 (5655)	5.3 (135)	5.3 (135)	15.4 (391)	616	2866 (1300)	3197 (1450)	
	XFC15M480	189 (4800)	116.7 (2964)	210 (5333)	226.6 (5755)	5.3 (135)	5.3 (135)	15.4 (391)	616	2866 (1300)	3197 (1450)	
	XFC15U200	78.7 (2000)	57.6 (1464)	99.8 (2535)	115.9 (2945)	36.6 (929)	20.4 (519)	15.4 (391)	616	3000 (1360)	3500 (1600)	
	XFC15U250	98.4 (2500)	67.5 (1714)	119.5 (3035)	135.6 (3445)	46.4 (1179)	30.3 (769)	15.4 (391)	618	3000 (1360)	3500 (1600)	
	XFC15U270	106.3 (2700)	71.4 (1814)	127.4 (3235)	143.5 (3645)	50.3 (1279)	34.2 (869)	15.4 (391)	618	3000 (1360)	3500 (1600)	
	XFC15U300	118.1 (3000)	77.3 (1964)	139.2 (3535)	155.3 (3945)	56.3 (1429)	40.1 (1019)	15.4 (391)	618	3000 (1360)	3500 (1600)	
	XFC15U330	129.9 (3300)	83.2 (2114)	151 (3835)	167.1 (4245)	62.2 (1579)	46 (1169)	15.4 (391)	618	3000 (1360)	3500 (1600)	
	XFC15U350	137.8 (3500)	87.2 (2214)	158.9 (4035)	175 (4445)	66.1 (1679)	50 (1269)	15.4 (391)	618	3000 (1360)	3500 (1600)	
	XFC15U360	141.7 (3600)	89.1 (2264)	162.8 (4135)	178.9 (4545)	68.1 (1729)	51.9 (1319)	15.4 (391)	618	3000 (1360)	3500 (1600)	
	XFC15U400	157.5 (4000)	99 (2514)	178.5 (4535)	194.7 (4945)	77.9 (1979)	61.8 (1569)	15.4 (391)	618	3000 (1360)	3500 (1600)	
Full Free Lift 3 Stage Mast	XFC15N400	157.5 (4000)	73.4 (1864)	178.9 (4545)	195.1 (4955)	52.3 (1329)	36.2 (919)	15.7 (399)	616	3000 (1360)	3500 (1600)	
	XFC15N430	169.3 (4300)	77.3 (1964)	190.7 (4845)	206.9 (5255)	56.3 (1429)	40.1 (1019)	15.7 (399)	616	3000 (1360)	3500 (1600)	
	XFC15N450	177.2 (4500)	79.3 (2014)	198.6 (5045)	214.8 (5455)	58.2 (1479)	42.1 (1069)	15.7 (399)	616	3000 (1360)	3350 (1520)	
	XFC15N470	185 (4700)	82 (2084)	206.1 (5235)	222.2 (5645)	61 (1549)	44.8 (1139)	15.7 (399)	616	2866 (1300)	3197 (1450)	
	XFC15N480	189 (4800)	83.2 (2114)	210.4 (5345)	226.6 (5755)	62.2 (1579)	46 (1169)	15.7 (399)	616	2866 (1300)	3197 (1450)	

With sideshifter, subtract 300lbs (135kg). With integral sideshifter, subtract 200lbs (90kg).

4000-5000lbs XF Series Mast:

Type	Model	Max. Fork Height	Overall Height				Free Lift		Front Overhang	Tilt Range	Capacity	
			Lowered	Extended		Without Backrest	With Backrest	F/R			Load Capacity at 24 in (600mm)	
				Without Backrest	With Backrest						4000lb(2.0t)	5000lb(2.5t)
		in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	(°)	lb(kg)	lb(kg)	
Limited Free Lift 2 Stage Mast	XFC25M200	78.7 (2000)	57.9 (1470)	103.4 (2627)	120.2 (3052)	5.5 (140)	5.5 (140)	16.8 (427)	616	4000 (1810)	5000 (2270)	
	XFC25M250	98.4 (2500)	67.7 (1720)	123.1 (3127)	139.8 (3552)	5.5 (140)	5.5 (140)	16.8 (427)	618	4000 (1810)	5000 (2270)	
	XFC25M270	106.3(2700)	71.7 (1820)	131 (3327)	147.7 (3752)	5.5 (140)	5.5 (140)	16.8 (427)	618	4000 (1810)	5000 (2270)	
	XFC25M300	118.1(3000)	77.6 (1970)	142.8 (3627)	159.5 (4052)	5.5 (140)	5.5 (140)	16.8 (427)	618	4000 (1810)	5000 (2270)	
	XFC25M330	129.9(3300)	83.5 (2120)	154.6 (3927)	171.3 (4352)	5.5 (140)	5.5 (140)	16.8 (427)	618	4000 (1810)	5000 (2270)	
	XFC25M350	137.8(3500)	87.4 (2220)	162.5 (4127)	179.2 (4552)	5.5 (140)	5.5 (140)	16.8 (427)	618	4000 (1810)	5000 (2270)	
	XFC25M360	141.7(3600)	91.3 (2320)	166.4 (4227)	183.1 (4652)	5.5 (140)	5.5 (140)	16.8 (427)	618	4000 (1810)	5000 (2270)	
	XFC25M400	157.5(4000)	101.2 (2570)	182.2 (4627)	198.9 (5052)	5.5 (140)	5.5 (140)	16.8 (427)	618	4000 (1810)	5000 (2270)	
	XFC25M430	169.3(4300)	107.1 (2720)	194 (4927)	210.7 (5352)	5.5 (140)	5.5 (140)	16.8 (427)	616	4000 (1810)	5000 (2270)	
	XFC25M450	177.2(4500)	111 (2820)	201.9 (5127)	218.5 (5552)	5.5 (140)	5.5 (140)	16.8 (427)	616	4000 (1810)	5000 (2270)	
	XFC25M470	185 (4700)	115 (2920)	209.7 (5327)	226.5 (5752)	5.5 (140)	5.5 (140)	16.8 (427)	616	4000 (1810)	5000 (2270)	
	XFC25M480	189 (4800)	116.9 (2970)	213.7 (5427)	230.4 (5852)	5.5 (140)	5.5 (140)	16.8 (427)	616	4000 (1810)	5000 (2270)	
XFC25M500	196.9(5000)	120.9 (3070)	221.5 (5627)	238.3 (6052)	5.5 (140)	5.5 (140)	16.8 (427)	616	3902 (1770)	4409 (2000)		
Full Free Lift 2 Stage Mast	XFC25U200	78.7 (2000)	57.9 (1470)	103.1 (2620)	120.2 (3052)	33.2 (843)	16.5 (418)	16.8 (427)	616	4000 (1810)	5000 (2270)	
	XFC25U250	98.4 (2500)	67.7 (1720)	122.8 (3120)	139.8 (3552)	43 (1093)	26.3 (668)	16.8 (427)	618	4000 (1810)	5000 (2270)	
	XFC25U270	106.3(2700)	71.7 (1820)	130.7 (3320)	147.7 (3752)	47 (1193)	30.2 (768)	16.8 (427)	618	4000 (1810)	5000 (2270)	
	XFC25U300	118.1(3000)	77.6 (1970)	142.5 (3620)	159.5 (4052)	52.9 (1343)	36.1 (918)	16.8 (427)	618	4000 (1810)	5000 (2270)	
	XFC25U330	129.9(3300)	83.5 (2120)	154.3 (3920)	171.3 (4352)	58.8 (1493)	42 (1068)	16.8 (427)	618	4000 (1810)	5000 (2270)	
	XFC25U350	137.8(3500)	87.4 (2220)	162.2 (4120)	179.2 (4552)	62.7 (1593)	46 (1168)	16.8 (427)	618	4000 (1810)	5000 (2270)	
	XFC25U360	141.7(3600)	89.4 (2270)	166.1 (4220)	183.1 (4652)	64.7 (1643)	48 (1218)	16.8 (427)	618	4000 (1810)	5000 (2270)	
	XFC25U400	157.5(4000)	99.2 (2520)	181.9 (4620)	198.9 (5052)	74.5 (1893)	57.8 (1468)	16.8 (427)	618	4000 (1810)	5000 (2270)	
	XFC25N400	157.5(4000)	73.6 (1870)	181.9 (4620)	198.9 (5052)	49.3 (1251)	32.2 (818)	17.0 (431)	616	4000 (1810)	5000 (2270)	
	XFC25N430	169.3(4300)	77.6 (1970)	193.7 (4920)	210.7 (5352)	53.2 (1351)	36.1 (918)	17.0 (431)	616	4000 (1810)	5000 (2270)	
	XFC25N450	177.2(4500)	79.5 (2020)	201.6 (5120)	218.5 (5552)	55.2 (1401)	38.1 (968)	17.0 (431)	616	4000 (1810)	5000 (2270)	
	XFC25N470	185 (4700)	82.4 (2095)	209.4 (5320)	226.5 (5752)	58.1 (1476)	41.1 (1043)	17.0 (431)	616	4000 (1810)	5000 (2270)	
Full Free Lift 3 Stage Mast	XFC25N480	189 (4800)	83.5 (2120)	213.4 (5420)	230.4 (5852)	59.1 (1501)	42 (1068)	17.0 (431)	616	4000 (1810)	5000 (2270)	
	XFC25N500	196.9(5000)	86.4 (2195)	221.3 (5620)	238.3 (6052)	62 (1576)	45 (1143)	17.0 (431)	616	3902 (1770)	4409 (2000)	
	XFC25N550	216.5(5500)	93.3 (2370)	240.9 (6120)	258 (6552)	68.9 (1751)	51.9 (1318)	17.0 (431)	316	3704 (1680)	4300 (1950)	
	XFC25N600	236.2(6000)	101.2 (2570)	260.6 (6620)	277.6 (7052)	76.8 (1951)	59.8 (1518)	17.0 (431)	316	2800 (1270)	3000 (1360)	
	XFC25D400	157.5(4000)	73.6 (1870)	181.9 (4620)	198.9 (5052)	49.3 (1251)	32.2 (818)	17.0 (431)	616	4000 (1810)	5000 (2270)	
	XFC25D430	169.3(4300)	77.6 (1970)	193.7 (4920)	210.7 (5352)	53.2 (1351)	36.1 (918)	17.0 (431)	616	4000 (1810)	5000 (2270)	
	XFC25D450	177.2(4500)	79.5 (2020)	201.6 (5120)	218.5 (5552)	55.2 (1401)	38.1 (968)	17.0 (431)	616	4000 (1810)	5000 (2270)	
	XFC25D470	185(4700)	82.4 (2095)	209.4 (5320)	226.5 (5752)	58.1 (1476)	41.1 (1043)	17.0 (431)	616	4000 (1810)	5000 (2270)	
	XFC25D480	189(4800)	83.5 (2120)	213.4 (5420)	230.4 (5852)	59.1 (1501)	42 (1068)	17.0 (431)	616	4000 (1810)	5000 (2270)	
	XFC25D500	196.9(5000)	86.4 (2195)	221.3 (5620)	238.3 (6052)	62 (1576)	45 (1143)	17.0 (431)	616	3902 (1770)	4409 (2000)	
	XFC25D550	216.5(5500)	93.3 (2370)	240.9 (6120)	258 (6552)	68.9 (1751)	51.9 (1318)	17.0 (431)	316	3704 (1680)	4300 (1950)	
	XFC25D600	236.2(6000)	101.2 (2570)	260.6 (6620)	277.6 (7052)	76.8 (1951)	59.8 (1518)	17.0 (431)	316	2800 (1270)	3000 (1360)	
Quad Mast*	XFC25F610	241.7(6140)	83.5 (2120)	262.2(6661)	281.3(7146)	43.9(1114)	63(1599)	19.3(491)	316	2535 (1150)	3300(1500)	
	XFC25F660	260(6605)	89.4 (2270)	280.6(7126)	299.6(7611)	49.8(1264)	68.9(1749)	19.3(491)	316	1764 (800)	2006 (910)	
	XFC25F700	277.8(7055)	95.3(2420)	298.3(7576)	317.4(8061)	55.7(1414)	74.8(1899)	19.3(491)	316	992 (450)	1345 (610)	

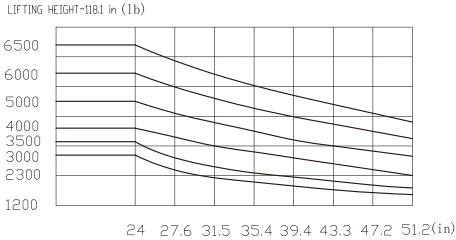
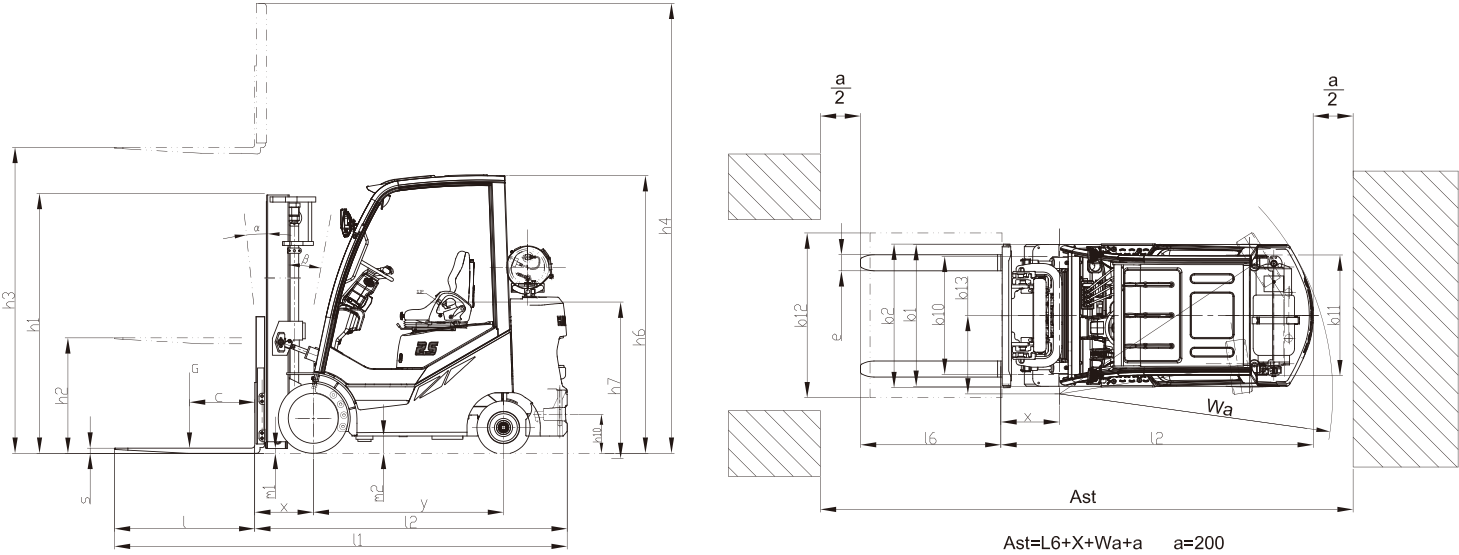
With sideshifter, subtract 300lbs (135kg). With integral sideshifter, subtract 200lbs (90kg).
*Forklifts equipped with the Quad Mast require a Class II carriage and forks.



6000-6500lbs XF Series Mast:

Type	Model	Max. Fork Height	Overall Height				Free Lift		Front Overhang	Tilt Range	Capacity	
			Lowered	Extended		Without Backrest	With Backrest	F/R		Load Capacity at 24 in (600mm)		
				Without Backrest	With Backrest					6000lb(3.0t)	6500lb(3.2t)	
		in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	(°)	lb(kg)	lb(kg)	
Limited Free Lift 2 Stage Mast	XFC30M200	78.7 (2000)	57.9 (1470)	105.4 (2676)	123.8 (3145)	5.3 (135)	5.3 (135)	17.7 (450)	616	6000 (2720)	6500 (2950)	
	XFC30M250	98.4 (2500)	67.7 (1720)	125 (3176)	143.5 (3645)	5.3 (135)	5.3 (135)	17.7 (450)	618	6000 (2720)	6500 (2950)	
	XFC30M270	106.3(2700)	71.7 (1820)	132.9 (3376)	151.4 (3845)	5.3 (135)	5.3 (135)	17.7 (450)	618	6000 (2720)	6500 (2950)	
	XFC30M300	118.1(3000)	77.6 (1970)	144.7 (3676)	163.2 (4145)	5.3 (135)	5.3 (135)	17.7 (450)	618	6000 (2720)	6500 (2950)	
	XFC30M330	129.9(3300)	83.5 (2120)	156.5 (3976)	175 (4445)	5.3 (135)	5.3 (135)	17.7 (450)	618	6000 (2720)	6500 (2950)	
	XFC30M350	137.8(3500)	87.4 (2220)	164.4 (4176)	182.9 (4645)	5.3 (135)	5.3 (135)	17.7 (450)	618	6000 (2720)	6500 (2950)	
	XFC30M360	141.7(3600)	91.3 (2320)	168.3 (4276)	186.8 (4745)	5.3 (135)	5.3 (135)	17.7 (450)	618	6000 (2720)	6500 (2950)	
	XFC30M400	157.5(4000)	101.2 (2570)	184.1 (4676)	202.6 (5145)	5.3 (135)	5.3 (135)	17.7 (450)	618	6000 (2720)	6500 (2950)	
	XFC30M430	169.3(4300)	107.1 (2720)	195.9 (4976)	214.4 (5445)	5.3 (135)	5.3 (135)	17.7 (450)	616	6000 (2720)	6500 (2950)	
	XFC30M450	177.2(4500)	111 (2820)	203.8 (5176)	222.2 (5645)	5.3 (135)	5.3 (135)	17.7 (450)	616	6000 (2720)	6500 (2950)	
	XFC30M470	185 (4700)	115 (2920)	211.7 (5376)	230.1 (5845)	5.3 (135)	5.3 (135)	17.7 (450)	616	5864 (2660)	6063 (2750)	
	XFC30M480	189 (4800)	116.9 (2970)	215.6 (5476)	234.1 (5945)	5.3 (135)	5.3 (135)	17.7 (450)	616	5754 (2610)	6000 (2720)	
XFC30M500	196.9(5000)	120.9 (3070)	223.5 (5676)	241.9 (6145)	5.3 (135)	5.3 (135)	17.7 (450)	616	5401 (2450)	5512 (2500)		
Full Free Lift 2 Stage Mast	XFC30U200	78.7 (2000)	59.8 (1520)	105.9 (2690)	123.8 (3145)	32.7 (831)	14.8 (375)	17.7 (450)	616	6000 (2720)	6500 (2950)	
	XFC30U250	98.4 (2500)	69.7 (1770)	125.6 (3190)	143.5 (3645)	42.6 (1081)	24.6 (625)	17.7 (450)	618	6000 (2720)	6500 (2950)	
	XFC30U270	106.3(2700)	73.6 (1870)	133.5 (3390)	151.4 (3845)	46.5 (1181)	28.5 (725)	17.7 (450)	618	6000 (2720)	6500 (2950)	
	XFC30U300	118.1(3000)	79.5 (2020)	145.3 (3690)	163.2 (4145)	52.4 (1331)	34.4 (875)	17.7 (450)	618	6000 (2720)	6500 (2950)	
	XFC30U330	129.9(3300)	85.4 (2170)	157.1 (3990)	175 (4445)	58.5 (1481)	40.4 (1025)	17.7 (450)	618	6000 (2720)	6500 (2950)	
	XFC30U350	137.8(3500)	89.3 (2270)	165 (4190)	182.9 (4645)	62.3 (1581)	44.3 (1125)	17.7 (450)	618	6000 (2720)	6500 (2950)	
	XFC30U360	141.7(3600)	91.3 (2320)	168.9 (4290)	186.8 (4745)	64.2 (1631)	46.3 (1175)	17.7 (450)	618	6000 (2720)	6500 (2950)	
	XFC30U400	157.5(4000)	101.2 (2570)	184.6 (4690)	202.6 (5145)	74.1 (1881)	56.1 (1425)	17.7 (450)	618	6000 (2720)	6500 (2950)	
Full Free Lift 3 Stage Mast	XFC30N400	157.5(4000)	77.6 (1970)	184.6 (4690)	202.6 (5145)	50.4 (1281)	32.3 (825)	18 (457)	616	6000 (2720)	6500 (2950)	
	XFC30N430	169.3(4300)	79.5 (2020)	196.5 (4990)	214.4 (5445)	52.4 (1331)	34.4 (875)	18 (457)	616	6000 (2720)	6500 (2950)	
	XFC30N450	177.2(4500)	83.5 (2120)	204.3 (5190)	222.2 (5645)	56.3 (1431)	38.4 (975)	18 (457)	616	6000 (2720)	6500 (2950)	
	XFC30N470	185 (4700)	87.4 (2220)	212.2 (5390)	230.1 (5845)	60.3 (1531)	42.3 (1075)	18 (457)	616	5864 (2660)	6063 (2750)	
	XFC30N480	189 (4800)	89.3 (2270)	216.1 (5490)	234.1 (5945)	62.2 (1581)	44.3 (1125)	18 (457)	616	5754 (2610)	6000 (2720)	
	XFC30N500	196.9(5000)	93.3 (2370)	224 (5690)	241.9 (6145)	66.2 (1681)	48.2 (1225)	18 (457)	616	5401 (2450)	5512 (2500)	
	XFC30N550	216.5(5500)	101.2 (2570)	243.7 (6190)	261.6 (6645)	74.1 (1881)	56.1 (1425)	18 (457)	316	3968 (1800)	4630 (2100)	
	XFC30N600	236.2(6000)	111 (2820)	263.4 (6690)	281.3 (7145)	83.9 (2131)	65.9 (1675)	18 (457)	316	3858 (1750)	3750 (1700)	
Four Cylinder Full Free Lift 3 Stage Mast	XFC30D400	157.5(4000)	77.6 (1970)	184.6 (4690)	202.6 (5145)	50.4 (1281)	32.3 (825)	18 (457)	616	6000 (2720)	6500 (2950)	
	XFC30D430	169.3(4300)	79.5 (2020)	196.5 (4990)	214.4 (5445)	52.4 (1331)	34.4 (875)	18 (457)	616	6000 (2720)	6500 (2950)	
	XFC30D450	177.2(4500)	83.5 (2120)	204.3 (5190)	222.2 (5645)	56.3 (1431)	38.4 (975)	18 (457)	616	6000 (2720)	6500 (2950)	
	XFC30D470	185 (4700)	87.4 (2220)	212.2 (5390)	230.1 (5845)	60.3 (1531)	42.3 (1075)	18 (457)	616	5864 (2660)	6063 (2750)	
	XFC30D480	189 (4800)	89.3 (2270)	216.1 (5490)	234.1 (5945)	62.2 (1581)	44.3 (1125)	18 (457)	616	5754 (2610)	6000 (2720)	
	XFC30D500	196.9(5000)	93.3 (2370)	224 (5690)	241.9 (6145)	66.2 (1681)	48.2 (1225)	18 (457)	616	5401 (2450)	5512 (2500)	
	XFC30D550	216.5(5500)	101.2 (2570)	243.7 (6190)	261.6 (6645)	74.1 (1881)	56.1 (1425)	18 (457)	316	4012 (1820)	4630 (2100)	
	XFC30D600	236.2(6000)	111 (2820)	263.4 (6690)	281.3 (7145)	83.9 (2131)	65.9 (1675)	18 (457)	316	3858 (1750)	3750 (1700)	
Quad Mast*	XFC25F610	241.7(6140)	83.5 (2120)	262.2(6661)	281.3(7146)	43.9(1114)	63(1599)	19.3(491)	316	3858 (1750)	3750(1700)	
	XFC25F660	260.6(6605)	89.4 (2270)	298.6(7126)	299.6(7611)	49.8(1264)	68.9(1749)	19.3(491)	316	2668 (1210)	2450 (1110)	
	XFC25F700	277.8(7055)	95.3(2420)	298.3(7576)	317.4(8061)	55.7(1414)	74.8(1899)	19.3(491)	316	1653 (750)	1350 (610)	

With sideshifter, subtract 395lbs (180kg). With integral sideshifter, subtract 200lbs (90kg).
*Forklifts equipped with the Quad Mast require a Class II carriage and forks.



XF Series LPG Cushion Tire Forklift 3000-6500lb

Distinguishing Marks	1.1	Manufacturer			HANGCHA GROUP CO.,LTD.					
		HCFA Model			FP15C	FP18C	FP20C	FP25C	FP30C	FP32C
	1.2	Manufacturer's Type Designation			CPVD15-XH23B1-C	CPVD18-XH23B1-C	CPVD20-XH21B1-C	CPVD25-XH21B1-C	CPVD30-XH21B1-C	CPVD32-XH21B1-C
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas			LPG	LPG	LPG	LPG	LPG	LPG
	1.4	Operator Type: hand, pedestrian, standing, seated, order-picker			Seated	Seated	Seated	Seated	Seated	Seated
	1.5	Rated Capacity/Rated Load	Q	lb (kg)	3000(1360)	3500(1600)	4000 (1810)	5000 (2270)	6000 (2720)	6500 (2950)
	1.6	Load Centre Distance	c	in(mm)	24(600)	24(600)	24 (600)	24 (600)	24 (600)	24 (600)
	1.7	Load Distance, centre of drive axle to fork	x	in(mm)	15.4(391)	15.4(391)	16.8 (427)	16.8 (427)	17.7 (450)	17.7 (450)
	1.8	Wheelbase	y	in (mm)	49.2(1250)	49.2(1250)	57.1 (1450)	57.1 (1450)	57.1 (1450)	57.1 (1450)
Weight	2.1	Service Weight		lb(kg)	6480(2940)	6830(3100)	7880 (3575)	8640 (3920)	9570 (4340)	9900 (4490)
	2.2	Axle Loading, laden front/rear		lb(kg)	8115/1365 (3670/620)	9000/1330 (4095/605)	10210/1670 (4610/765)	11830/1810 (5350/820)	13500/2070 (6100/940)	14220/2180 (6450/990)
	2.3	Axle Loading, unladen front/rear		lb(kg)	2670/3810 (1210/1730)	2600/4230 (1180/1920)	3050/4830 (1385/2190)	3215/5425 (1460/2460)	3090/6480 (1400/2940)	3200/6700 (1450/3040)
Tires, Chassis	3.1	Tires: solid rubber, superelastic, pneumatic, polyurethane			Cushion	Cushion	Cushion	Cushion	Cushion	Cushion
	3.2	Tire Size, front			18*6*12-1/8	18*6*12-1/8	21*7*15	21*7*15	21*8*15	21*8*15
	3.3	Tire Size, rear			14*5*10	14*5*10	16*6*10.5	16*6*10.5	16*6*10.5	16*6*10.5
	3.4	Wheels, number front / rear (x = driven wheels)			2*/2	2*/2	2*/2	2*/2	2*/2	2*/2
	3.5	Tread, front	b10	in (mm)	31.9(810)	31.9(810)	35.4(900)	35.4(900)	36.2(920)	36.2(920)
	3.6	Tread, rear	b11	in(mm)	32.7(830)	32.7(830)	36.2(920)	36.2(920)	36.2(920)	36.2(920)
Dimensions	4.1	Tilt of Mast/Fork Carriage Forward/Backward	α/β	(°)	6/8	6/8	6/8	6/8	6/8	6/8
	4.2	Height, mast lowered	h1	in (mm)	77.3(1963.5)	77.3(1963.5)	77.6(1970)	77.6(1970)	77.6(1970)	77.6(1970)
	4.3	Free Lift	h2	in(mm)	5.3(135)	5.3(135)	5.5(140)	5.5(140)	5.3(135)	5.3(135)
	4.4	Lift	h3	in (mm)	118.1(3000)	118.1(3000)	118.1(3000)	118.1(3000)	118.1(3000)	118.1(3000)
	4.5	Height, mast extended	h4	in (mm)	155.7(3955)	155.7(3955)	159.3(4046)	159.3(4046)	163.2(4145)	163.2(4145)
	4.6	Height of Overhead Guard	h6	in (mm)	83.7(2125)	83.7(2125)	85.2(2165)	85.2(2165)	85.2(2165)	85.2(2165)
	4.7	Seat Height Relating to SIP	h7	in (mm)	38.6(980)	38.6(980)	40.2(1020)	40.2(1020)	40.2(1020)	40.2(1020)
	4.8	Coupling Height	h10	in (mm)	10.2(260)	10.2(260)	11.8(300)	11.8(300)	11.8(300)	11.8(300)
	4.9	Overall Length	l1	in (mm)	118.7(3016)	120(3046)	132.5(3367)	135.1(3432)	138(3505)	139(3530)
	4.10	Length to Face of Forks	l2	in (mm)	82.5(2096)	83.7(2126)	90.4(2297)	93(2362)	95.7(2435)	96.7(2460)
	4.11	Overall Width (without backrest)	b1	in(mm)	38(964)	38(964)	42.5(1080)	42.5(1080)	44.2(1123)	44.2(1123)
	4.12	Fork Dimensions	s/e/l	in (mm)	1.4*39*36.2(35*100*920)	1.4*39*36.2(35*100*920)	1.6*48*42(40*122*1070)	1.6*48*42(40*122*1070)	1.8*48*42(45*122*1070)	1.8*48*42(45*122*1070)
	4.13	Fork Carriage DIN 15 173 --- ISO 2328, class/type A,B			Class A*	Class A*	Class A*	Class A*	Class A*	Class A*
	4.14	Backrest Width	b2	in (mm)	35.4(900)	35.4(900)	43 (1094)	43 (1094)	45.5 (1156)	45.5 (1156)
	4.15	Fork-Carriage Width	b3	in(mm)	37.6(954)	37.6(954)	40.9(1038)	40.9(1038)	43.3(1100)	43.3(1100)
	4.16	Distance between Fork-Arms	b5	in (mm)	8.9-36.2(226-920)	8.9-36.2(226-920)	8.9-39.7(226-1008)	8.9-39.7(226-1008)	9.9-42.6(252-1082)	9.9-42.6(252-1082)
	4.17	Ground Clearance, laden, below mast	m1	in (mm)	3.3(83.5)	3.3(83.5)	3.5(90)	3.5(90)	3.5(90)	3.5(90)
	4.18	Ground Clearance, centre of wheelbase	m2	in (mm)	3.7(93.5)	3.7(93.5)	5.1(130)	5.1(130)	5.1(130)	5.1(130)
Performance Data	4.19.1	Aisle Width for Pallets 40" x 48" Crossways	Ast	in (mm)	132.7(3371)	133.9(3401)	139.8(3552)	142.4(3617)	145(3685)	146.1(3710)
	4.19.2	Aisle Width for Pallets 32" x 48" Crossways	Ast	in (mm)	140.6(3571)	141.8(3601)	147.7(3752)	150.3(3817)	153(3885)	153.9(3910)
	4.20	Turning Radius	Wa	in(mm)	70.1(1780)	71.3(1810)	75.8(1925)	78.3(1990)	80.3(2035)	81.1(2060)
	4.21	Minimum Plotting Distance	b13	in(mm)	18.9(481)	18.9(481)	21.2(539)	21.2(539)	21.2(539)	21.2(539)
	5.1	Travel Speed, laden/unladen		mph (km/h)	11.2/11.5 (18/18.5)	11.2/11.5 (18/18.5)	10.9/11.5 (17.5/18.5)	10.9/11.5 (17.5/18.5)	10.9/11.5 (17.5/18.5)	10.9/11.5 (17.5/18.5)
	5.2	Lift Speed, laden/unladen		ft/min (m/s)	110/118 (0.56/0.60)	110/118 (0.56/0.60)	122/128 (0.62/0.65)	122/128 (0.62/0.65)	98.4/104.3 (0.50/0.53)	98.4/104.3 (0.50/0.53)
	5.3	Lowering Speed, laden/unladen		ft/min (m/s)	88.6/98.4 (0.45/0.50)	88.6/98.4 (0.45/0.50)	88.6/98.4 (0.45/0.50)	88.6/98.4 (0.45/0.50)	88.6/98.4 (0.45/0.50)	88.6/98.4 (0.45/0.50)
5.4	Drawbar Pull, laden/unladen		N	16500/8500	16500/8500	23000/9000	23000/9000	23000/9000	23000/9000	
5.5	Gradeability, laden/unladen		%	25/20	25/20	30/20	30/20	25/20	25/20	
5.6	Service Brake			Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	
5.7	Parking Brake			Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	
Combustion Engine	6.1	Engine Manufacturer/Type			GCT GK21 LPG CERT	GCT GK21 LPG CERT	GCT GK25 LPG CERT	GCT GK25 LPG CERT	GCT GK25 LPG CERT	GCT GK25 LPG CERT
	6.2	Engine Power		hp (kW)	57.7 (43)	57.7 (43)	63 (47)	63 (47)	63 (47)	63 (47)
	6.3	Rated Speed		r/min	2700	2700	2700	2700	2700	2700
	6.4	Number of Cylinders/Displacement		(-)/ (cm) ³	4/2065	4/2065	4/2488	4/2488	4/2488	4/2488
	6.5	Generator		V	12	12	12	12	12	12
	6.6	Vehicle Electrical System Voltage		V	12	12	12	12	12	12
	6.7	Battery Voltage/Nominal Capacity		V/Ah	12/60	12/60	12/60	12/60	12/60	12/60
	6.8	Rated Torque		Nm/r/min	161/1800	161/1800	190/1600	190/1600	190/1600	190/1600
	6.9	Transmissions Manufacturer			OKAMURA	OKAMURA	OKAMURA	OKAMURA	OKAMURA	OKAMURA
	6.10	Transmissions Type			Powershift	Powershift	Powershift	Powershift	Powershift	Powershift
	6.11	Stage FWD/RVS			1/1	1/1	1/1	1/1	1/1	1/1
Additional Data	7.1	Operating Pressure for Attachments		psi (MPa)	2103(14.5)	2538(17.5)	2538(17.5)	2538(17.5)	2538(17.5)	2538(17.5)
	7.2	Hydraulic Tank - Capacity (drain & refill)		gal (liter)	8.5(32)	8.5(32)	11(42)	11(42)	11(42)	11(42)
	7.3	Fuel Tank Capacity		gal (liter)	NA	NA	NA	NA	NA	NA