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Forklift" App



ISO14001
ISO14001:2015



ISO9001
ISO9001:2015



HANGCHA trucks conform
to the European Safety
Requirements.

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XF Series Diesel / Gasoline / LPG Counterbalanced Trucks

with capacities of 1,000 to 3,500kg

The World of Hangcha



HANGCHA be with you at every stage

Efficient, reliable solutions for your demands



GCT

Eco-friendly engines compliant with global emission regulations.

Global standard forklift engines with top-class of output and reliability performance.

| | |
|---------------------|-------------------------------------------------------------|
| ENGINE TYPE | Vertical Inline 4-cylinder • Water cooled • OHV |
| FUEL | Gasoline • LPG |
| FUEL SYSTEM | Electronic Controlled, Gasoline : Injector • LPG : Injector |
| EMISSION REGULATION | CARB SIP LSI-1/ EPA Tier2/ EU STAGE V |



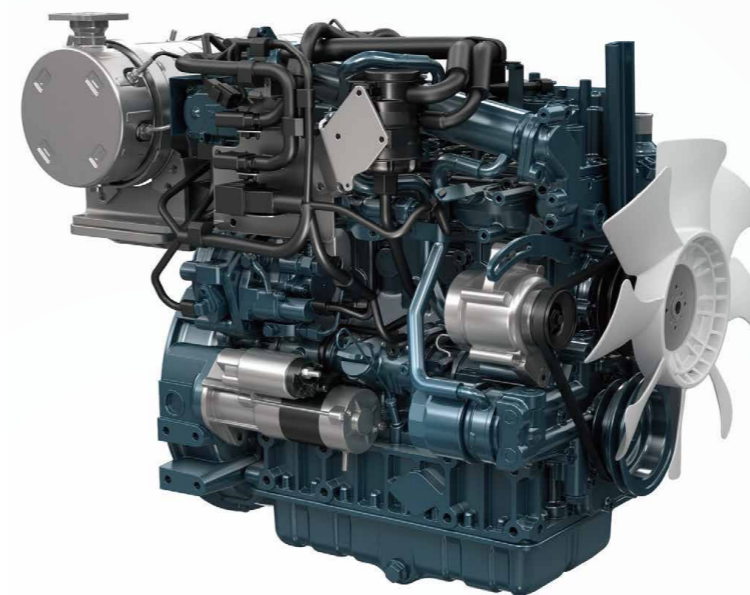
Interactive instrument: The instrument adopts 4.0-inch color LCD display with four interactive buttons, and has one CAN bus communication function. The communication protocol is compatible with CANopen and SAE J1939 standards.

| No. | Capacity | Series | Manufacturer | Engine | Drive power | Model | Emission Std. | Transmission | Power (kw/rpm) |
|-----|-----------|--------|--------------|----------------------------|--------------|---------------------------|---------------------------------------------|--------------|-------------------|
| 1 | 1.0-1.75t | XF | GCT | GCT GK21LPG EU-StageV CERT | LPG | CPYD15/18-XH1F/B | Stage V | F/OKAMURA | 38.4/2700 |
| 2 | 2.0-3.5t | XF | GCT | GCT GK25LPG EU-StageV CERT | LPG | CPYD20/25/30/35-XH3F/B | Stage V | F/OKAMURA | 43.4/2700 |
| 3 | 1.5-1.75t | XF | GCT | GCT GK21 LPG 1G001 EKH00 | LPG | CPYD15/18-XH23F/B1 | CARB SIP LSI-1/ EPA Tier2/ EU STAGE V | F/OKAMURA | 43/2700 |
| 4 | 1.5-1.75t | XF | GCT | GCT GK21 DUAL 1G001 ECH00 | DUAL LPG/GAS | CPQYD15/18-XH24F/B1 | | F/OKAMURA | 43/2700 40/2700 |
| 5 | 2.0-3.5t | XF | GCT | GCT GK25 LPG 1G001 ELH00 | LPG | CPYD20/25/30/35-XH21F/B1 | | F/OKAMURA | 47/2700 |
| 6 | 2.0-3.5t | XF | GCT | GCT GK25 DUAL 1G001 EDH00 | DUAL LPG/GAS | CPQYD20/25/30/35-XH22F/B1 | | F/OKAMURA | 47/2700 44.5/2700 |

Note: Stage V applied for European Union also including Israel and Turkey
Tier4 Final applied for North American
F means full floating transmission

STAGE V & TIER 4F

With Hangcha you can meet all Stage V/Tier 4f emissions standards which provides customer demands for value, innovation and performance. The technologies include common rail fuel systems, diesel oxidation catalysts (DOC) and diesel particulate filters (DPF). Designed and optimised to every engine model, our forklift truck maximises efficiency and reliability.



KUBOTA

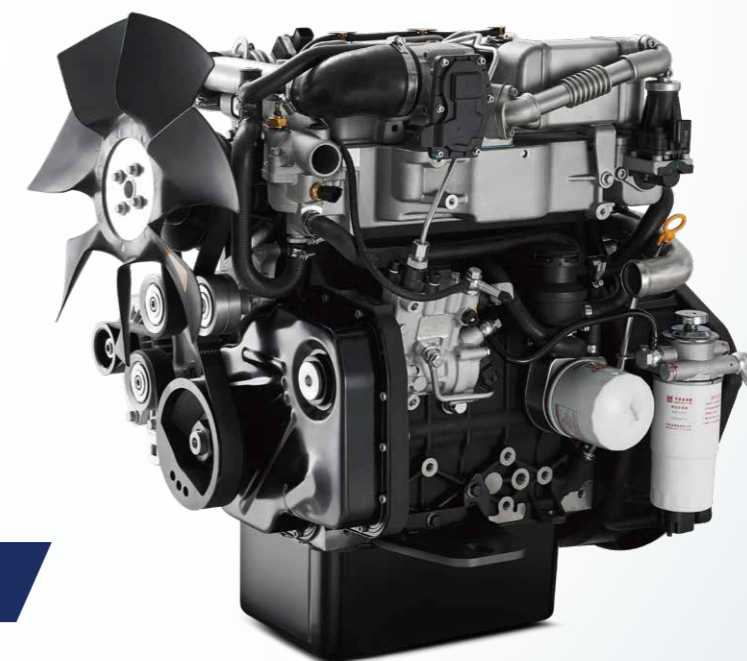
• **Emissions Compliance**

Meeting rigid emissions regulations can be a challenge for any company. V2607-CR-E5B engines have been designed to comply with stringent regulations: EU StageV EPA/CARB Tier4 F.

• **Advanced DPF Technology**

• **Clean and Quiet Power**

• **Great Flexibility**



XINCHAI

| No. | Capacity | Series | Manufacturer | Engine | Drive power | Model | Emission Std. | Transmission | Power (kw/rpm) |
|-----|-----------|--------|--------------|---------------|-------------|--------------------------------|----------------------------|--------------|----------------|
| 1 | 1.5-3.5t | XF | KUBOTA | V2607-CR-E5B | Diesel | CPCD15/18/20/25/30/35-Xw97F/B1 | EU StageV EPA/CARB Tier4 F | F/OKAMURA | 37.4/2400 |
| 2 | 2.0-3.5t | XF | KUBOTA | V2607-CR-TE5B | Diesel | CPCD20/25/30/35-Xw98F | EU StageV EPA/CARB Tier4 F | F | 47.3/2400 |
| 3 | 1.5-1.75t | XF | XINCHAI | 3E22YG51P464 | Diesel | CPCD15/18/-XH7F/B1 | Stage V | F/OKAMURA | 34/2400 |
| 4 | 2.0-3.5t | XF | XINCHAI | 3E22YG51 | Diesel | CPCD20/25/30/35-XH7F/B1 | Stage V | F/OKAMURA | 44.8/2400 |

Note: Stage V applied for European Union also including Israel and Turkey
Tier4 Final applied for North American
F means full floating transmission

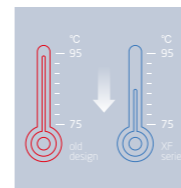
Productivity

Dynamic load sensing hydraulic steering system, Efficiency lighting system, lower fuel consumption, combine to provide increased productivity and reduced operating costs.

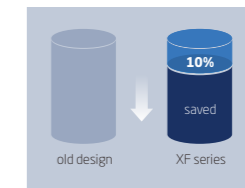
The new Dynamic load sensing hydraulic steering system contributes to reduce loss of hydraulic and improve energy efficiency.

The new efficiency lighting system employs LED illuminant and new type reflector to reduce energy consumption, improve significantly illumination performance and prolong work time.

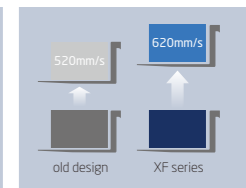
By optimizing transmission design, the power train provides higher efficiency. The fuel consumption is reduced by 10%.



Hydraulic oil balanced temperature (2.5T 4TNE98)



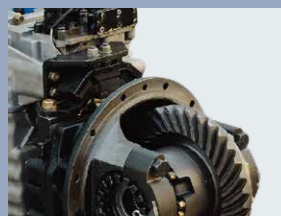
Fuel consumption



Speed at full load (2.5T 4TNE98)



Comfortable Operation



In developing the new XF Series, comfort and ease of operation is carefully considered, for example, to improve vibration levels, compound engine damper and full floating power train are adopted. Comfortable operating environments for operator also contribute to increased productivity.



In addition to rubber damper between frames and steering axle, compound engine damper and full floating power train achieve flexible connection between frames and driving system, as a result, traveling vibrations and vibrations from the driving system are significantly reduced.



The enlarged capacity of optimized exhaust muffler, the intake muffler and the noise shield technologies provide significantly lower noise levels.

1. The new, relocated easy-to-see LCD meter lets the operator check on all aspects of operational status at a glance.
2. The new automobile-style light/turn-signal lever and forward-reverse lever are ergonomically designed and arranged to improve comfort and productivity.
3. The small diameter steering wheel with tilt adjustment provides the ideal operating position. The superior responsiveness of the steering wheel optimizes maneuverability even in narrow spaces.
4. The parking brake is specially developed. The operational force is reduced by 30%.
5. The automobile-style suspended pedals provide more ergonomic operation.



Comfortable Operation

Optimal visibility in all directions create the best conditions for high productivity through relaxed and safe working.



Reliability

By focusing on enhancing reliability, reducing downtime, the XF series is able to make the greater productivity for customer.



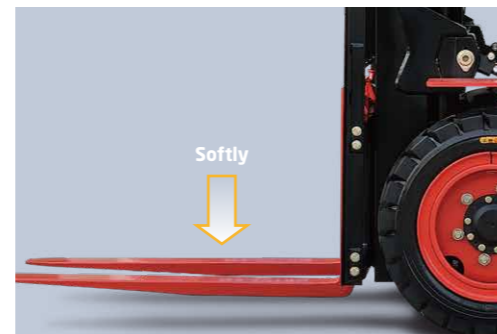
The new aluminum alloy transmission with full floating structure features excellent heat dissipation capability, more and thicker disc meet the most demanding applications.



The new vehicle controller integrates all electrical components, features excellent durability for temperature, water and vibration for most demanding operation.



The new stamped air cleaner featuring tangential intake, double seal with safety filter is durable, corrosion-free and vibration-resistant, provides better filter efficiency and lower intake resistance than the previous.



The extra foot space is provided to reduce operator fatigue significantly. The new wide-open, non-slip step makes getting in and out easy and safe.

The optional Electro-hydraulic proportional control system contributes more sensitive and precise load handling. The easy-to-operate levers provide total load handling operation. An armrest is provided to reduce fatigue.

In addition to the soft landing system, the soft lifting system is adopted (front lifting cylinders of triplex mast and full free duplex mast), as a result, the noise and shock of the mast significantly decreases.



The developed front lifting cylinders with smaller outer diameter give the operator superior forward visibility.

The double lifting cylinders provide better forward visibility.



XF series features rugged design, stamped frame and engine hood, stamped instrument panel and head guard, heavy profile rail mast combine to provide excellent rigidity, which ensures outstanding reliability even in heavy-duty work.



Extra capacity combined radiator with serpentine wave and optimized heat dissipation channel enhance the heat dissipation capability to keep engine reliability even in heavy-duty applications.

Easy Maintenance



Careful design facilitates inspection and servicing. Easy maintenance reduces the amount of downtime and helps to reduce cost also.

The cover on the Panel can be lifted up simply to check the brake fluid.

The two-piece design makes the floorboard easy to lift and remove for access to the power train.

The easy-to-operate latch provides quick access to the engine compartment.

The fasteners of the radiator cover can be turned easily by hand to enable quick inspections or servicing.

Safety

A wide range of technologies are applied to ensure absolute safety for both the operator and those in the surrounding.



1. The operator presence sensing system incorporates lifting/tilting and traveling locking function. When the operator leaves the seat, the system automatically locks lifting / tilting and disables traveling to ensure safety.
2. A throttling device is adopted to avoid the mast being out of control even some pipes are broken.



The locking device of the engine hood damper and parking brake help add to safety.



An optional rear-pillar assist grip with a horn button enhances safety of operator while traveling in reverse.

Standards

| Transmission | Steering | Chassiss | Control | Hydraulic |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> / Suspended transmission / Oil filter / Dipstick / Oil cooler / Non-asbestos brake / MS transmission with wet brake | <ul style="list-style-type: none"> / Full hydraulic power steering / Smaller diameter steering wheel / Adjuster of steering wheel | <ul style="list-style-type: none"> / Skidproof pedal / Rubber pedal / Engine hood spring | <ul style="list-style-type: none"> / Power steering / Suspension pedal / Integrated combination switch / Cable parking brake | <ul style="list-style-type: none"> / Dynamic load sending control valve (Diesel IC) / Hydraulic oil filter / Tilt cylender self-locking valve / Hydraulic oil dipstick |
| Truck | Power | Electronics | Mast | |
| <ul style="list-style-type: none"> / Traction device / Handhilds / Standard seat / Standard overhead guard / Waterproof cover on the guard / Back view mirror / Pneumatic tyres | <ul style="list-style-type: none"> / Big capacity aluminum radiator / Little tank / Whirlwind air cleaner / Safety filter / High-efficient intake muffler / High-efficient exhaust muffler | <ul style="list-style-type: none"> / High-efficient front lights / High-efficient LED rear lights / Service-free start battery / Combination controller / LCD display / Neutual switch / Time meter / Fuel gauge / Water temperature gauge / Pre-heat indicator / Charging indicator / Engine fuel pressure warning / Transmission oil pressure warning / Horn / Reversing buzzer / Power off | <ul style="list-style-type: none"> / Standard wide view duplex mast / Standard forks / Standard fork carriage / Standard load back rest / Mast speed limiting valve / Load safety valve / Mast down buffer device / Mast up buffer device / Side roller | |

Options

| Truck | Transmission | Power | Hydraulic | Electronics | Mast |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> / Cabin / Cabin heater / Front window / Super elastic tyre / No-mark tyre (white/green) / Suspension seat / Extinguisher / Cover of tilt cylender / Heightning overhead guard / Reversing assist grip / Special given color / Seat with sensing system / Boot for tilt cylinder / Counter weight net / Toolbox | <ul style="list-style-type: none"> / 2-D wheel | <ul style="list-style-type: none"> / Duel fuel LPG system / Big capacity copper radiator / High-positioned exhaust system / Middle-positioned exhaust system / Air pre-cleaner / Net cover of radiator / Sparkle arrester / Purified exhaust system / Swivel LPG bottle support / Downward LPG bottle support / Fan protector | <ul style="list-style-type: none"> / Auxiliary hydraulic valve / Electro-hydraulic proportional control system / Return oil filter | <ul style="list-style-type: none"> / OBD / Front working light / Rear working light / Warning lamp / Oil-water seperator warning | <ul style="list-style-type: none"> / Duplex wide view free-lift mast / Triplex wide view free-lift mast / Triplex wide view 4-cylinder free-lift mast / Special forks / Wider fork carriage / Wider load back rest |

Optional Attachments

- / Paper roll clamp
- / Rotating bale clamp
- / Load stabilizer
- / Multi-drum clamp
- / Bale clamp
- / Drum clamp
- / Dumping clamp
- / Crane arm
- / String Pole
- / Sideshifter
- / Rotating forks
- / Fork extensioner
- / Load release device
- / Carton clamp
- / Push-pull device
- / Bucket
- / Hook
- / Lengthened fork



XF series 1.0-3.5t forklift specification:

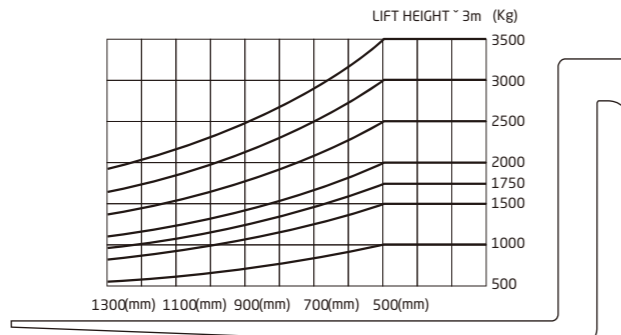
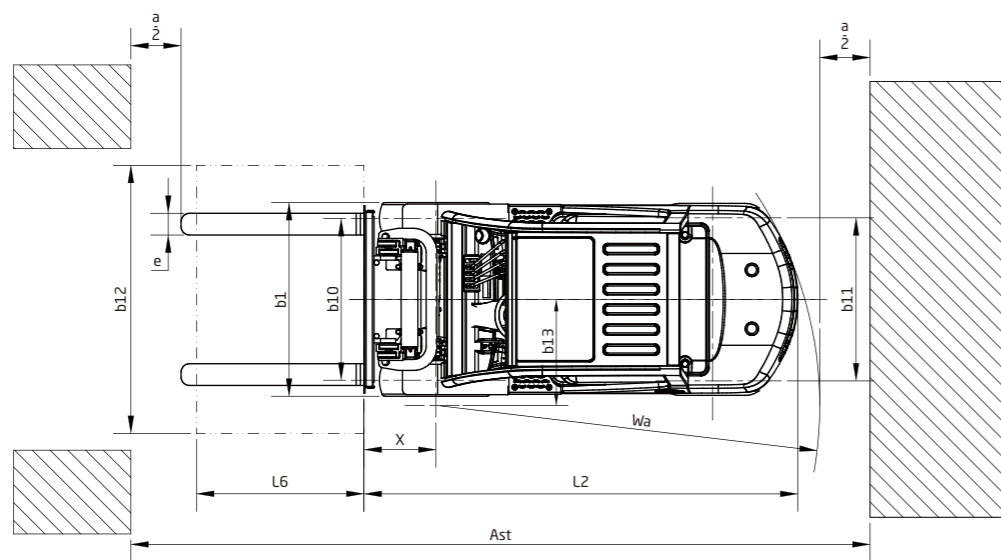
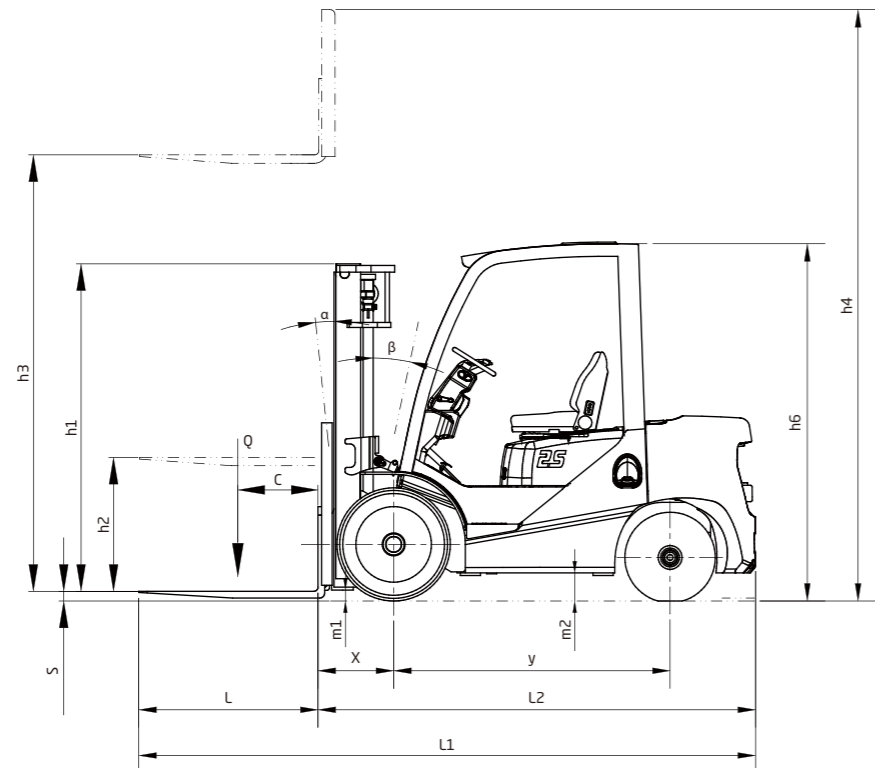


| | | HANGCHA GROUP CO.,LTD. | | | | | | | | | | | | | | | | |
|---------------------|------|-----------------------------------------------------------------------|----------------|-------------------------------|-----------------------|-----------------|----------------------------|-----------------------|-----------------|----------------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|------------------|-----------------------|------------------|
| Distinguishing mark | 1.1 | Manufacturer | | | | | | | | | | | | | | | | |
| | 1.2 | Manufacturer's type designation | CPCD10-XW32F/B | CPYD15-XH1F/B | CPCD15-XH7F/B1 | CPCD15-XW97F/B1 | CPYD18-XH1F/B | CPCD18-XH7F/B1 | CPCD18-XW97F/B1 | CPYD20-XH3F/B | CPCD20-XH7F/B1 | CPYD25-XH3F/B | CPCD25-XH7F/B1 | CPYD30-XH3F/B | CPCD30-XH7F/B1 | CPYD35-XH3F/B | CPCD35-XH7F/B1 | |
| | 1.3 | Drive: electric (battery or mains), diesel, petrol, fuel gas | Diesel | LPG | Diesel | Diesel | LPG | Diesel | Diesel | LPG | Diesel | LPG | Diesel | LPG | Diesel | LPG | Diesel | |
| | 1.5 | Rated capacity/rated load | Q (kg) | 1000 | 1500 | 1500 | 1500 | 1750 | 1750 | 2000 | 2000 | 2500 | 2500 | 3000 | 3000 | 3500 | 3500 | |
| | 1.6 | Load centre distance | c (mm) | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | |
| | 1.8 | Load distance, centre of drive axle to fork | x (mm) | 405 | 405 | 405 | 405 | 405 | 405 | 465 | 465 | 465 | 465 | 480 | 480 | 485 | 485 | |
| | | Rear overhang | mm | 375 | 405 | 405 | 405 | 430 | 430 | 415 | 415 | 490 | 490 | 550 | 550 | 615 | 615 | |
| | 1.9 | Wheelbase | y (mm) | 1475 | 1475 | 1475 | 1475 | 1475 | 1475 | 1650 | 1650 | 1650 | 1650 | 1700 | 1700 | 1700 | 1700 | |
| Weight | 2.1 | Service Weight | kg | 2510 | 2650 | 2650 | 2650 | 2760 | 2760 | 3405 | 3405 | 3765 | 3765 | 4350 | 4350 | 4705 | 4705 | |
| | 2.2 | Axle loading, laden front/rear | kg | 3055/455 | 3660/490 | 3660/490 | 3660/490 | 3995/520 | 3995/520 | 4705/700 | 4705/700 | 5475/790 | 5475/790 | 6450/900 | 6450/900 | 7255/950 | 7255/950 | |
| | 2.3 | Axle loading, unladen front/rear | kg | 1260/1250 | 1240/1410 | 1240/1410 | 1240/1410 | 1225/1540 | 1225/1540 | 1610/1795 | 1610/1795 | 1560/2205 | 1560/2205 | 1750/2600 | 1750/2600 | 1720/2985 | 1720/2985 | |
| Tyres, chassis | 3.2 | Tyre size, front | | 6.50-10-10PR | 6.50-10-10PR | 6.50-10-10PR | 6.50-10-10PR | 6.50-10-10PR | 6.50-10-10PR | 7.00-12-12PR | 7.00-12-12PR | 7.00-12-12PR | 7.00-12-12PR | 28*9-15-14PR | 28*9-15-14PR | 28*9-15-14PR | 28*9-15-14PR | |
| | 3.3 | Tyre size, rear | | 5.00-8-10PR | 5.00-8-10PR | 5.00-8-10PR | 5.00-8-10PR | 5.00-8-10PR | 5.00-8-10PR | 6.00-9-10PR | 6.00-9-10PR | 6.00-9-10PR | 6.00-9-10PR | 6.50-10-10PR | 6.50-10-10PR | 6.50-10-10PR | 6.50-10-10PR | |
| | 3.6 | Tread, front | b10 (mm) | 900 | 900 | 900 | 900 | 900 | 900 | 965 | 965 | 965 | 965 | 1005 | 1005 | 1005 | 1005 | |
| | 3.7 | Tread, rear | b11 (mm) | 920 | 920 | 920 | 920 | 920 | 920 | 973 | 973 | 973 | 973 | 975 | 975 | 975 | 975 | |
| Dimensions | 4.1 | Tilt of mast/fork carriage forward/backward | | 6/12 | 6/12 | 6/12 | 6/12 | 6/12 | 6/12 | 6/12 | 6/12 | 6/12 | 6/12 | 6/12 | 6/12 | 6/12 | 6/12 | |
| | 4.2 | Height, mast lowered | h1 (mm) | 1995 | 1995 | 1995 | 1995 | 1995 | 1995 | 2035 | 2035 | 2035 | 2035 | 2050 | 2050 | 2165 | 2165 | |
| | 4.3 | Free lift | h2 (mm) | 155 | 155 | 155 | 155 | 155 | 155 | 140 | 140 | 140 | 140 | 145 | 145 | 145 | 145 | |
| | 4.4 | Lift | h3 (mm) | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | |
| | 4.5 | Height, mast extended | h4 (mm) | 3955 | 3955 | 3955 | 3955 | 3955 | 3955 | 4045 | 4045 | 4045 | 4045 | 4145 | 4145 | 4145 | 4145 | |
| | 4.7 | Height of overhead guard (cabin) | h5 (mm) | 2125(2205*) | 2125(2205*) | 2125(2205*) | 2125(2205*) | 2125(2205*) | 2125(2205*) | 2135(2215*) | 2135(2215*) | 2135(2215*) | 2135(2215*) | 2150(2230*) | 2150(2230*) | 2150(2230*) | 2150(2230*) | |
| | 4.20 | Length to face of forks | l2 (mm) | 2255 | 2285 | 2285 | 2285 | 2310 | 2310 | 2530 | 2530 | 2605 | 2605 | 2730 | 2730 | 2800 | 2800 | |
| | 4.21 | Overall width | b1 (mm) | 1080 | 1080 | 1080 | 1080 | 1080 | 1080 | 1155 | 1155 | 1155 | 1155 | 1225 | 1225 | 1225 | 1225 | |
| | 4.22 | Fork dimensions | s/e/l (mm) | 920*100*35 | 920*100*35 | 920*100*35 | 920*100*35 | 920*100*35 | 920*100*35 | 1070*122*40 | 1070*122*40 | 1070*122*40 | 1070*122*40 | 1070*122*45 | 1070*122*45 | 1070*122*50 | 1070*122*50 | |
| | 4.31 | Ground clearance, laden, below mast | m1 (mm) | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 130 | 130 | 130 | 130 | |
| | 4.32 | Ground clearance, centre of wheelbase | m2 (mm) | 140 | 140 | 140 | 140 | 140 | 140 | 150 | 150 | 150 | 150 | 165 | 165 | 165 | 165 | |
| | 4.35 | Turning radius | Wa (mm) | 1965 | 1990 | 1990 | 1990 | 2015 | 2015 | 2180 | 2180 | 2245 | 2245 | 2355 | 2355 | 2415 | 2415 | |
| | | Min. right angle stacking aisle width (Add load length and clearance) | mm | 2370 | 2395 | 2395 | 2395 | 2420 | 2420 | 2645 | 2645 | 2710 | 2710 | 2835 | 2835 | 2900 | 2900 | |
| Performance data | 5.1 | Travel speed, laden/unladen | km/h | (-19)/(-19.3)/(-19) | (-20) | -20 | -19 | (-20) | -20 | -19 | (-20) | -18.5 | (-20) | -19 | (-19.8) | -18.5 | (-19.8) | |
| | 5.2 | Lift speed, laden/unladen | m/s | 0.580/- | 0.530/- | 0.580/- | 0.680/- | 0.530/- | 0.580/- | 0.680/- | 0.560/- | 0.600/- | 0.560/- | 0.600/- | 0.480/- | 0.480/- | 0.440/- | |
| | 5.3 | Lowering speed, laden/unladen | m/s | 0.500/- | 0.500/- | 0.500/- | 0.500/- | 0.500/- | 0.500/- | 0.500/- | 0.500/- | 0.500/- | 0.500/- | 0.500/- | 0.500/- | 0.500/- | 0.500/- | |
| | 5.5 | Drawbar pull, laden/unladen | N | (14600/-)/(14400/-)/(14100/-) | (19000/-) | 14500/- | 16800/- | (19000/-) | 14500/- | 16800/- | (21000/-) | 19500/- | (21000/-) | 19500/- | (22000/-) | 20500/- | (22000/-) | 20500/- |
| | 5.7 | Gradeability, laden/unladen* | % | (40/-)/(39/-)/(38/-) | (37/-) | 29/- | 34/- | (37/-) | 29/- | 34/- | (30/-) | 27/- | (30/-) | 25/- | (25/-) | 23/- | (25/-) | |
| | 7.1 | Engine manufacturer/type | | YANMAR/4TNE92 | GCT GK21LPG EU StageV | 3E22YG51P464 | KUBOTA V2607-CR-E5B | GCT GK21LPG EU StageV | 3E22YG51P464 | KUBOTA V2607-CR-E5B | GCT GK25LPG EU StageV | XINCHAI 3E22YG51 | GCT GK25LPG EU StageV | XINCHAI 3E22YG51 | GCT GK25LPG EU StageV | XINCHAI 3E22YG51 | GCT GK25LPG EU StageV | XINCHAI 3E22YG51 |
| | | Emission STD | | StageIIIA/Tier3 | EU StageV | EU StageV | EU StageV EPA/CARB Tier4 F | EU StageV | EU StageV | EU StageV EPA/CARB Tier4 F | EU StageV | EU StageV | EU StageV | EU StageV | EU StageV | EU StageV | EU StageV | EU StageV |
| Combustion-engine | 7.2 | Engine power according to DIN ISO 1585 | kw | 32.8 | 38.4 | 34 | 38 | 38.4 | 34 | 38 | 43.4 | 44.8 | 43.4 | 44.8 | 43.4 | 44.8 | 44.8 | |
| | 7.3 | Rated speed | min | 2450 | 2700 | 2400 | 2400 | 2700 | 2400 | 2400 | 2700 | 2400 | 2700 | 2400 | 2700 | 2400 | 2400 | |
| | 7.4 | Number of cylinders/displacement | (-)/(cm³) | 4/2659 | 4/2065 | 3/2227 | 4/2615 | 4/2065 | 3/2227 | 4/2615 | 4/2488 | 3/2230 | 4/2488 | 3/2230 | 4/2488 | 3/2230 | 4/2488 | |
| | 7.10 | Battery voltage/nominal capacity | V/Ah | 12/60 | 12/60 | 12/90 | 12/90 | 12/60 | 12/90 | 12/60 | 12/90 | 12/60 | 12/90 | 12/60 | 12/90 | 12/60 | 12/90 | |
| | | Rated torque | N·m/r/min | 142/1600 | 151/1600 | 150/1600-1800 | 174.1/1500 | 142/1600 | 150/1600-1800 | 174.1/1500 | 183.5/1600 | 210/1600-1800 | 188/1600 | 210/1600-1800 | 188/1600 | 210/1600-1800 | 188/1600 | |
| | | Bore × stroke | mm | 92×100 | 89×83 | 94×107 | 87×110 | 92×100 | 94×107 | 87×110 | 89×100 | 94×107 | 89×100 | 94×107 | 89×100 | 94×107 | 89×100 | |
| | | Transmissions Manufacturer | | HANGCHA/OKAMURA | HANGCHA/OKAMURA | HANGCHA/OKAMURA | HANGCHA/OKAMURA | HANGCHA/OKAMURA | HANGCHA/OKAMURA | HANGCHA/OKAMURA | HANGCHA/OKAMURA | HANGCHA/OKAMURA | HANGCHA/OKAMURA | HANGCHA/OKAMURA | HANGCHA/OKAMURA | HANGCHA/OKAMURA | HANGCHA/OKAMURA | |
| | | Transmissions Type | | Powershift | Powershift | Powershift | Powershift | Powershift | Powershift | Powershift | Powershift | Powershift | Powershift | Powershift | Powershift | Powershift | Powershift | |
| | | Stage | FWD/RVS | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | |
| Addition data | 10.1 | Operating pressure for attachments | bar | 145 | 145 | 145 | 145 | 145 | 145 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | | |
| | 10.4 | Fuel tank capacity | liter | 50 | 28 | 50 | 50 | 28 | 50 | 40 | 60 | 40 | 60 | 40 | 70 | 40 | | |

Note: *With suspension seat or cabin
* As a calculated value

Optional Engine / Transmission

| Engine | Engine manufacturer/type | | GCT GK21 | | YANMAR 4TNE92 | | GCT GK21 LPG | | GCT GK21 LPG EU StageV | | GCT GK21 LPG 1G001 EK100 | | GCT GK21 DUAL 1G001 ECH00 | | KUBOTA V2607-CR-E5B | | YANMAR 4TNE98 | | XINCHAI A498BT1 | | GCT GK25 LPG | | GCT GK25 LPG | | GCT GK25 | | MITSUBISHI S4S-DPEU2 | | ISUZU 4JG2PE-01 | | GCT GK25 LPG EU StageV | | XINCHAI 3E22YG51P464 | | XINCHAI 3E22YG51 | | KUBOTA V2607-CR-TE58 | | GCT GK25 LPG 1G001 ELH00 | | GCT GK25 DUAL 1G001 EDH00 | | | | | | | | | |
|----------------------------------|---------------------------------|----------------|-----------|--------|--------------------------|--------|--------------------------|-----------|------------------------|-----------|--------------------------|-----------|---------------------------------------|-----------|---------------------|-----------|---------------|-----------|-----------------|-----------|--------------|--------|--------------|--------|---------------|--------|----------------------|--------|------------------------|--------|------------------------|--------|----------------------|--------|------------------|--------|----------------------------|--------|---------------------------------------|--------|---------------------------|--------|--------------|--------|----------|--------|----------|--|-----------|--|
| | Manufacturer's type designation | | W21 | | W32 | | W51 | | W87 | | H1 | | H23 | | H24 | | W97 | | W33 | | W27 | | W52 | | W77 | | W22 | | W55 | | W13 | | H3 | | H7 | | H7 | | W98 | | H21 | | H22 | | | | | | | |
| | Drive | | Gasoline | | Gasoline/ DUAL FUEL/ LPG | | Gasoline/ DUAL FUEL/ LPG | | Diesel | | LPG | | LPG | | LPG | | LPG | | DUAL LPG/GAS | | Diesel | | Diesel | | LPG | | LPG | | Gasoline DUAL FUEL/LPG | | Diesel | | Diesel | | LPG | | Diesel | | Diesel | | LPG | | DUAL LPG/GAS | | | | | | | |
| | Emission STD | | — | | StageIIIA | | — | | — | | EU StageV | | CARB SIP LSI-1/ EPA Tier2/ EU STAGE V | | Stage V/Tier 4F | | StageIIIA | | StageIIIA | | — | | — | | — | | StageIIIA | | StageII | | EU StageV | | EU StageV | | EU StageV | | EU StageV EPA/CARB Tier4 F | | CARB SIP LSI-1/ EPA Tier2/ EU STAGE V | | | | | | | | | | | |
| | Engine power | | kW/r/min | | 31.2/2250 | | 32.8/2450 | | 29/2250 | | 38.4/2700 | | 38.4/2700 | | 43/2700 | | 43/2700 | | 40/2700 | | 37.4/2400 | | 42.1/2300 | | 36.8/2400 | | 35/2400 | | 43.4/2700 | | 37.4/2300 | | 35.3/2250 | | 46/2450 | | 43.4/2700 | | 34/2400 | | 44.8/2400 | | 47.3/2400 | | 47/2700 | | 47/2700 | | 44.5/2700 | |
| | Rated torque | | N·m/r/min | | 143.7/1600 | | 149/1600 | | 140/1600 | | 151/1600 | | 151/1600 | | 161/1800 | | 161/1800 | | 153/1800 | | 174.1/1500 | | 206/1700 | | 186/1600~1800 | | 170/1600 | | 183.5/1600 | | 176.5/1600 | | 177/1700 | | 186/1700~100 | | 183.5/1600 | | 150/1600~1800 | | 210/1600~1800 | | 221.7/1500 | | 190/1600 | | 190/1600 | | 175/1600 | |
| Number of cylinders/displacement | | ml | | 4/2065 | | 4/2659 | | 4/2065 | | 4/2065 | | 4/2065 | | 4/2065 | | 4/2065 | | 4/2065 | | 4/2615 | | 4/3319 | | 4/3168 | | 4/2488 | | 4/2488 | | 4/2488 | | 4/3331 | | 4/3059 | | 4/2488 | | 3/2227 | | 3/2230 | | 4/2615 | | 4/2488 | | 4/2488 | | | | |
| Transmission | Powershift | F(CHINA) | | F | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| | | OKAMURA(JAPAN) | | B | ✓ | ✓ | ✗ | ✓ | ✗ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| Rated capacity/rated load | | | Q (kg) | 1000 | 1500-1750 | 2000 | 1000-1750 | 2000-2500 | 1500-1750 | 2000-2500 | 1500-1750 | 1500-1750 | 1500-1750 | 1500-1750 | 1500-1750 | 1500-3500 | 2000-3500 | 2000-3500 | 2000-3500 | 2000-3500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



1.0~1.75t XF series mast: (pneumatic)

| Type | Model | Max. fork height | Overall height | | | | Free lift | | Front Overhang | | Tilt range | | Capacity | | | | | |
|----------------------------------|---------------------------------|------------------|----------------|------------------|---------------|------------------|---------------|---------|----------------|-----|------------|------------------------|----------|-----------|------|------|------|------|
| | | | Lowered | Extended | | Without backrest | With backrest | 1 / 1.5 | 1.75t | FWD | BWD | Load capacity at 500mm | | | | | | |
| | | | | Without backrest | With backrest | | | | | | | Single tire | | Dual tire | | | | |
| Wide view mast | X15M200 | 2000 | 1495 | 2565 | 2955 | 155 | 155 | 405 | 410 | 6 | 12 | 1000 | 1500 | 1750 | 1000 | 1500 | 1750 | |
| | X15M250 | 2500 | 1745 | 3065 | 3455 | 155 | 155 | 405 | 410 | 6 | 12 | 1000 | 1500 | 1750 | 1000 | 1500 | 1750 | |
| | X15M270 | 2700 | 1845 | 3265 | 3655 | 155 | 155 | 405 | 410 | 6 | 12 | 1000 | 1500 | 1750 | 1000 | 1500 | 1750 | |
| | X15M300 | 3000 | 1995 | 3565 | 3955 | 155 | 155 | 405 | 410 | 6 | 12 | 1000 | 1500 | 1750 | 1000 | 1500 | 1750 | |
| | X15M330 | 3300 | 2145 | 3865 | 4255 | 155 | 155 | 405 | 410 | 6 | 12 | 1000 | 1500 | 1750 | 1000 | 1500 | 1750 | |
| | X15M350 | 3500 | 2245 | 4065 | 4455 | 155 | 155 | 405 | 410 | 6 | 12 | 1000 | 1500 | 1750 | 1000 | 1500 | 1750 | |
| | X15M370 | 3700 | 2395 | 4265 | 4655 | 155 | 155 | 405 | 410 | 6 | 12 | 1000 | 1500 | 1750 | 1000 | 1500 | 1750 | |
| | X15M400 | 4000 | 2595 | 4600 | 4955 | 155 | 155 | 405 | 410 | 6 | 12 | 1000 | 1500 | 1650 | 1000 | 1500 | 1700 | |
| | X15M430 | 4300 | 2745 | 4900 | 5255 | 155 | 155 | 405 | 410 | 6 | 6 | 950 | 1400 | 1600 | 1000 | 1450 | 1650 | |
| | X15M450 | 4500 | 2845 | 5100 | 5455 | 155 | 155 | 405 | 410 | 6 | 6 | 900 | 1350 | 1550 | 950 | 1400 | 1600 | |
| | X15M470 | 4700 | 2945 | 5300 | 5655 | 155 | 155 | 405 | 410 | 6 | 6 | 850 | 1300 | 1500 | 900 | 1350 | 1550 | |
| | X15M500 | 5000 | 3095 | 5600 | 5955 | 155 | 155 | 405 | 410 | 6 | 6 | 800 | 1300 | 1450 | 850 | 1300 | 1500 | |
| | X15M550 | 5500 | 3345 | 6100 | 6455 | 155 | 155 | 405 | 410 | 6 | 6 | / | / | / | 750 | 1150 | 1300 | |
| | X15M600 | 6000 | 3595 | 6600 | 6955 | 155 | 155 | 405 | 410 | 6 | 6 | / | / | / | 700 | 1050 | 1150 | |
| | Wide view full free duplex mast | X15U200 | 2000 | 1560 | 2585 | 2945 | 975 | 615 | 405 | 410 | 6 | 12 | 1000 | 1500 | 1750 | 1000 | 1500 | 1750 |
| X15U250 | | 2500 | 1810 | 3085 | 3445 | 1225 | 865 | 405 | 410 | 6 | 12 | 1000 | 1500 | 1750 | 1000 | 1500 | 1750 | |
| X15U270 | | 2700 | 1910 | 3285 | 3645 | 1325 | 965 | 405 | 410 | 6 | 12 | 1000 | 1500 | 1750 | 1000 | 1500 | 1750 | |
| X15U300 | | 3000 | 2010 | 3590 | 3950 | 1425 | 1065 | 405 | 410 | 6 | 12 | 1000 | 1500 | 1750 | 1000 | 1500 | 1750 | |
| X15U330 | | 3300 | 2160 | 3885 | 4245 | 1575 | 1215 | 405 | 410 | 6 | 12 | 1000 | 1500 | 1750 | 1000 | 1500 | 1750 | |
| X15U350 | | 3500 | 2260 | 4085 | 4445 | 1675 | 1315 | 405 | 410 | 6 | 12 | 1000 | 1500 | 1750 | 1000 | 1500 | 1750 | |
| X15U370 | | 3700 | 2360 | 4285 | 4645 | 1775 | 1415 | 405 | 410 | 6 | 12 | 1000 | 1500 | 1750 | 1000 | 1500 | 1750 | |
| Wide view full free triplex mast | X15N400 | 4000 | 2560 | 4585 | 4945 | 1975 | 1615 | 405 | 410 | 6 | 12 | 1000 | 1500 | 1650 | 1000 | 1500 | 1700 | |
| | X15N430 | 4300 | 2660 | 4785 | 5145 | 2075 | 1715 | 420 | 425 | 6 | 6 | 900 | 1400 | 1550 | 950 | 1400 | 1600 | |
| | X15N450 | 4500 | 2760 | 4985 | 5305 | 2175 | 1815 | 420 | 425 | 6 | 6 | 850 | 1350 | 1500 | 900 | 1350 | 1550 | |
| | X15N470 | 4700 | 2860 | 5185 | 5465 | 2275 | 1915 | 420 | 425 | 6 | 6 | 800 | 1300 | 1450 | 850 | 1300 | 1500 | |
| | X15N500 | 5000 | 2960 | 5385 | 5625 | 2375 | 2015 | 420 | 425 | 6 | 6 | 750 | 1250 | 1400 | 800 | 1250 | 1450 | |
| | X15N550 | 5500 | 3215 | 5885 | 6245 | 2625 | 2265 | 420 | 425 | 3 | 6 | 650 | 950 | 1050 | 750 | 1150 | 1300 | |
| | X15N600 | 6000 | 3470 | 6385 | 6705 | 2875 | 2515 | 420 | 425 | 3 | 6 | 600 | 700 | 750 | 700 | 1050 | 1150 | |
| | X15N650 | 6500 | 3725 | 6885 | 7225 | 3125 | 2765 | 420 | 425 | 3 | 6 | / | / | / | 550 | 800 | 900 | |
| | X15N700 | 7000 | 3980 | 7385 | 7705 | 3375 | 3015 | 420 | 425 | 3 | 6 | / | / | / | 400 | 550 | 650 | |

With sideshifter minus 150kg, with integral sideshifter minus 100kg.

2.0~2.5t XF series mast: (pneumatic)

| Type | Model | Max. fork height | Overall height | | | | Free lift | | Front Overhang | | Tilt range | | Capacity | | | |
|----------------------------------|---------------------------------|------------------|----------------|------------------|---------------|------------------|---------------|------|----------------|------|------------|-------------|----------|-----------|------|------|
| | | | Lowered | Extended | | Without backrest | With backrest | 2.0t | 2.5t | 2.0t | 2.5t | Single tire | | Dual tire | | |
| | | | | Without backrest | With backrest | | | | | | | kg | kg | kg | kg | |
| Wide view mast | X25M200 | 2000 | 1535 | 2660 | 3045 | 140 | 140 | 465 | 465 | 6 | 12 | 2000 | 2500 | 2000 | 2500 | |
| | X25M250 | 2500 | 1785 | 3160 | 3545 | 140 | 140 | 465 | 465 | 6 | 12 | 2000 | 2500 | 2000 | 2500 | |
| | X25M270 | 2700 | 1885 | 3360 | 3745 | 140 | 140 | 465 | 465 | 6 | 12 | 2000 | 2500 | 2000 | 2500 | |
| | X25M300 | 3000 | 2035 | 3660 | 4045 | 140 | 140 | 465 | 465 | 6 | 12 | 2000 | 2500 | 2000 | 2500 | |
| | X25M330 | 3300 | 2185 | 3960 | 4345 | 140 | 140 | 465 | 465 | 6 | 12 | 2000 | 2500 | 2000 | 2500 | |
| | X25M350 | 3500 | 2285 | 4160 | 4545 | 140 | 140 | 465 | 465 | 6 | 12 | 2000 | 2500 | 2000 | 2500 | |
| | X25M370 | 3700 | 2385 | 4360 | 4745 | 140 | 140 | 465 | 465 | 6 | 12 | 2000 | 2500 | 2000 | 2500 | |
| | X25M400 | 4000 | 2535 | 4660 | 5045 | 140 | 140 | 465 | 465 | 6 | 12 | 2000 | 2500 | 2000 | 2500 | |
| | X25M430 | 4300 | 2685 | 4960 | 5345 | 140 | 140 | 465 | 465 | 6 | 6 | 1950 | 2400 | 2000 | 2450 | |
| | X25M450 | 4500 | 2785 | 5160 | 5545 | 140 | 140 | 465 | 465 | 6 | 6 | 1950 | 2300 | 1950 | 2350 | |
| | X25M470 | 4700 | 2885 | 5360 | 5745 | 140 | 140 | 465 | 465 | 6 | 6 | 1850 | 2250 | 1900 | 2300 | |
| | X25M500 | 5000 | 3035 | 5660 | 6045 | 140 | 140 | 465 | 465 | 6 | 6 | 1800 | 1850 | 1850 | 2100 | |
| | X25M550 | 5500 | 3285 | 6160 | 6545 | 140 | 140 | 465 | 465 | 3 | 6 | / | / | 1600 | 1900 | |
| | X25M600 | 6000 | 3540 | 6660 | 7045 | 140 | 140 | 465 | 465 | 3 | 6 | / | / | 1400 | 1750 | |
| | Wide view full free duplex mast | X25U200 | 2000 | 1580 | 2680 | 3045 | 880 | 510 | 465 | 465 | 6 | 12 | 2000 | 2500 | 2000 | 2500 |
| X25U250 | | 2500 | 1830 | 3180 | 3545 | 1130 | 760 | 465 | 465 | 6 | 12 | 2000 | 2500 | 2000 | 2500 | |
| X25U270 | | 2700 | 1930 | 3380 | 3745 | 1230 | 860 | 465 | 465 | 6 | 12 | 2000 | 2500 | 2000 | 2500 | |
| X25U300 | | 3000 | 2080 | 3680 | 4045 | 1330 | 960 | 465 | 465 | 6 | 12 | 2000 | 2500 | 2000 | 2500 | |
| X25U330 | | 3300 | 2230 | 3980 | 4345 | 1430 | 1060 | 465 | 465 | 6 | 12 | 2000 | 2500 | 2000 | 2500 | |
| X25U350 | | 3500 | 2330 | 4180 | 4545 | 1530 | 1160 | 465 | 465 | 6 | 12 | 2000 | 2500 | 2000 | 2500 | |
| X25U370 | | 3700 | 2430 | 4380 | 4745 | 1630 | 1260 | 465 | 465 | 6 | 12 | 2000 | 2500 | 2000 | 2500 | |
| Wide view full free triplex mast | X25N400 | 4000 | 2580 | 4680 | 5045 | 1880 | 1310 | 465 | 465 | 6 | 12 | 2000 | 2450 | 2000 | 2500 | |
| | X25N430 | 4300 | 2680 | 4880 | 5245 | 1980 | 1410 | 465 | 465 | 6 | 6 | 1950 | 2400 | 1950 | 2500 | |
| | X25N450 | 4500 | 2780 | 5080 | 5445 | 2080 | 1510 | 480 | 480 | 6 | 6 | 1900 | 2400 | 1950 | 2450 | |
| | X25N470 | 4700 | 2880 | 5280 | 5645 | 2180 | 1610 | 480 | 480 | 6 | 6 | 1850 | 2300 | 1850 | 2300 | |
| | X25N500 | 5000 | 2980 | 5480 | 5845 | 2280 | 1710 | 480 | 480 | 6 | 6 | 1800 | 2250 | 1800 | 2300 | |
| | X25N550 | 5500 | 3235 | 6045 | 6405 | 2530 | 1960 | 480 | 480 | 3 | 6 | 1450 | 1600 | 1600 | 1900 | |
| | X25N600 | 6000 | 3490 | 6545 | 6905 | 2780 | 2210 | 480 | 480 | 3 | 6 | 1000 | 1050 | 1400 | 1750 | |
| | X25N650 | 6500 | 3745 | 7105 | 7465 | 3030 | 2460 | 480 | 480 | 3 | 6 | / | / | 1200 | 1450 | |
| | X25N700 | 7000 | 3995 | 7605 | 7965 | 3280 | 2710 | 480 | 480 | 3 | 6 | / | / | 1000 | 1150 | |

With sideshifter minus 150kg, with integral sideshifter minus 100kg.

3.0~3.5t XF series mast: (pneumatic)

| Type | Model | Max. fork height | Overall height | | | | | | Free lift | | | | Front Overhang | | Tilt range | | Capacity | | | | |
|----------------|------------|------------------|----------------|------------------|---------------|------------------|---------------|------|-----------|------|------|------|----------------|------|------------|-----|----------|-------------------------|------|----------------|--|
| | | | Lowered (mm) | Extended | | Without backrest | With backrest | 3.0t | 3.5t | 3.0t | 3.5t | 3.0t | 3.5t | 3.0t | 3.5t | FWD | BWD | Load capacity at 500 mm | | | |
| | | | | Without backrest | With backrest | | | | | | | | | | | | | Single tire (kg) | | Dual tire (kg) | |
| Wide view mast | X30/35M200 | 2000 | 1550 | 1665 | 2735 | 2815 | 3145 | 3145 | 145 | 145 | 145 | 145 | 480 | 485 | 6 | 12 | 3000 | 3500 | 3000 | 3500 | |
| | X30/35M250 | 2500 | 1800 | 1915 | 3235 | 3315 | 3645 | 3645 | 145 | 145 | 145 | 145 | 480 | 485 | 6 | 12 | 3000 | 3500 | 3000 | 3500 | |
| | X30/35M270 | 2700 | 1900 | 2015 | 3435 | 3515 | 3845 | 3845 | 145 | 145 | 145 | 145 | 480 | 485 | 6 | 12 | 3000 | 3500 | 3000 | 3500 | |
| | X30/35M300 | 3000 | 2050 | 2165 | 3735 | 3815 | 4145 | 4145 | 145 | 145 | 145 | 145 | 480 | 485 | 6 | 12 | 3000 | 3500 | 3000 | 3500 | |
| | X30/35M330 | 3300 | 2200 | 2315 | 4035 | 4115 | 4445 | 4445 | 145 | 145 | 145 | 145 | 480 | 485 | 6 | 12 | 3000 | 3500 | 3000 | 3500 | |
| | X30/35M350 | 3500 | 2300 | 2415 | 4235 | 4315 | 4645 | 4645 | 145 | 145 | 145 | 145 | 480 | 485 | 6 | 12 | 3000 | 3500 | 3000 | 3500 | |
| | X30/35M370 | 3700 | 2400 | 2515 | 4435 | 4515 | 4845 | 4845 | 145 | 145 | 145 | 145 | 480 | 485 | 6 | 12 | 3000 | 3500 | 3000 | 3500 | |
| | X30/35M400 | 4000 | 2550 | 2715 | 4735 | 4815 | 5145 | 5145 | 145 | 145 | 145 | 145 | 480 | 485 | 6 | 12 | 3000 | 3500 | 3000 | 3500 | |
| | X30/35M430 | 4300 | 2800 | 2865 | 5035 | 5115 | 5445 | 5445 | 145 | 145 | 145 | 145 | 480 | 485 | 6 | 6 | 3000 | 3500 | 3000 | 3500 | |
| | X30/35M450 | 4500 | 2900 | 2965 | 5235 | 5315 | 5645 | 5645 | 145 | 145 | 145 | 145 | 480 | 485 | 6 | 6 | 3000 | 3500 | 3000 | 3500 | |
| | X30/35M470 | 4700 | 3000 | 3065 | 5435 | 5515 | 5845 | 5845 | 145 | 14 | | | | | | | | | | | |