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XCMG forklift
official website



叉装之王微商城
"King of Forklift/Loader"
micro mall



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First version, 2024

WAREHOUSE FORKLIFT



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XVC30-MWM-C Manual pallet truck



WAREHOUSE FORKLIFT

Product features

- Manual trucks are specially designed for transporting goods in various supermarkets, warehouses, etc.The material is made of reinforced steel, which is durable and exquisite in appearance.
- The fork adopts the overall stamping and forming processing technology, the surface adopts electrostatic spraying, which is anti-wear, and there are many options for width and length.The moving parts are equipped with a combination.
- The gold bushing can absorb partial loads, wear-resistant, extend service life and be easy to replace.
- It has overload protection to effectively avoid overload use.The descending speed is controlled, and the valve core adopts integral parts that are different from scattered parts, which is easy to repair, so that the car can be used.
- The types of steering wheels are: nylon wheels, PU wheels.They each have their own advantages, nylon wheels have low rotation resistance, stable chemical properties, no indentation, PU wheels absorb shock,anti-wear, no creasing, silent, etc., can be selected by users according to different conditions.

Product parameters

Project model	Unit	XVC30-MWM-C
Rated load	kg	3000
Low fork height	mm	83
Maximum height of fork	mm	195
Steering wheel	mm	φ180*50
Load-bearing wheel	mm	φ78*70/74*70
Single fork width	mm	160
Total fork width	mm	685
Fork length	mm	1220
Machine weight	kg	70-85

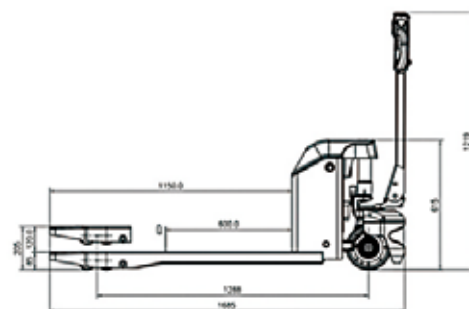
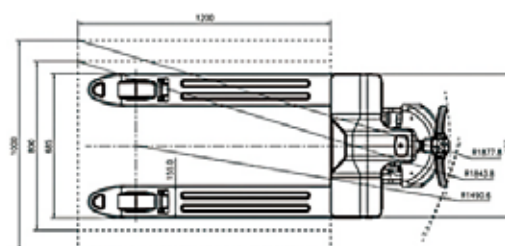
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XVC15-PWF/LWF-C Electric pallet truck



Product features

- The whole vehicle adopts automatic welding, which has beautiful welds and higher strength.
- Multi-function handle, set key, walk upright, LCD screen (battery power, work time and fault display) in one.
- Standard lead-acid large-capacity battery, optional lithium battery.
- Standard emergency stop switch, electromagnetic brake, emergency reverse device.
- Optional balance wheels can be installed to improve driving stability.



Product parameters

Characteristics	Model		XVC15-PWF-C	XVC15-LWF-C
	Rated load	kg	1500	
Wheels	Load center distance	mm	600	
	wheelbase	mm	1288	
Basic dimensions	Operation type	-	Walking	
	Wheel type (front/rear)	-	Polyurethane	
	Number of drive wheels, balance wheels, load-bearing wheels	-	1/2/4	
	Drive wheel size	mm	210*70	
	Balance wheel size	mm	φ70*30	
	Load-bearing wheel size	mm	φ84*70	
	Minimum height of fork from the ground	mm	85	
	Maximum lifting height of fork	mm	205	
	Maximum lifting stroke	mm	120	
	Outer spacing of fork	mm	560/685	
Performances	Pitch on the inside of the fork	mm	250/375	
	Fork length	mm	1150/1200	
	Fork width	mm	155	
	Fork thickness	mm	75	
	Total length of the vehicle	mm	1685	
	Body width	mm	677	
	Handle height during operations, maximum	mm	1219	
	Handle height during operations, minimum	mm	615	
	Minimum turning radius	mm	1491	
	Minimum right-angle stacking channel width (pallet 800x1200, 1200 placed along the fork)	mm	1844	
Motor	Minimum right-angle stacking channel width (pallet 1000x1200, 1200 placed along the fork)	mm	1878	
	Maximum driving speed: full load and no load	km/h	4/4.5	
	Maximum lifting speed seat: full load and no load	mm/s	35/40	
	Maximum descent speed: full load and no load	mm/s	65/60	
	Climbing slope: full load and no load	%	6/20	
Weights	Drive motor lifting motor	kW	DC0.63/DC0.8	
	Battery voltage	V	2X12/85	24/25 (24/30)
	Brake	-	Electromagnetic regeneration	
	Controller model	-	DC control DC	
	Battery weight	kg	48	9.5
	Weight (including battery)	kg	203	165

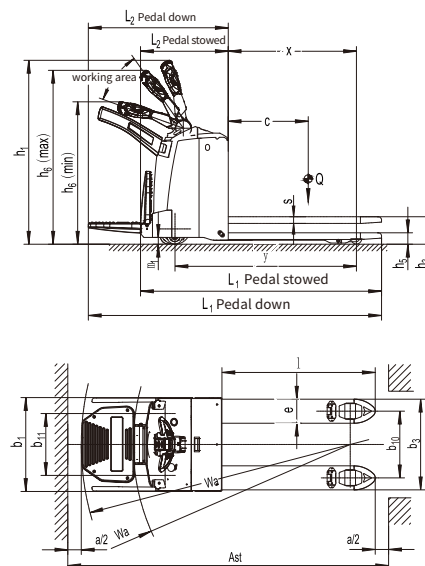
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XVC20-PSR-S Stand-on pallet truck



Product features

- A light-duty truck suitable for medium- and short-distance operations, compact and flexible, energy-saving and power-saving.
- The industry's first smallest carriage rail structure is durable and ensures smooth driving.
- The patent for "self-balancing torsion beam auxiliary balance wheel device" improves the stability of the vehicle and avoids floating slippage.
- The lifting mechanism is equipped with dual mechanical and electronic lifting limits to ensure safety and no impact.
- The high-strength alloy aluminum die-cast handle rod has a special semi-fixed structure to avoid damage to the gas spring's artificially rapid return to position.
- Back-mounted battery cover, hinged link, convenient and fast battery maintenance and charging.
- Standard electronic password lock, more convenient management.



WAREHOUSE FORKLIFT

Product parameters

Characteristics	Model			XVC20-PSR-S
	Power type			Electric
	Driving method			Stand-up
	Rated load		kg	2000
	Load center distance	Q	mm	600
	Front suspension	c	mm	962
	wheelbase	x	mm	1361
	Weights	Weight (without battery)		kg
Bridge load at full load: driving side, load-bearing side			kg	918/1585
Bridge load at no load: drive side, load-bearing side			kg	390/113
Wheels	Tire type			Polyurethane
	Tire size: drive wheel			φ230*75
	Tire size: load-bearing wheels			φ80*115
	Tire size: balance wheel			φ115*55
	Number of wheels: drive wheel (x=drive wheel) load-bearing wheel			1x-2/2
	Wheel track: load-bearing side: 570 wide and 680 wide	b10	mm	390/500
	Wheel track: drive side	b11	mm	500
Basic dimensions	Total height	h1	mm	1378
	Lifting height	h3	mm	205
	The height of the fork surface from the ground (when the fork is lowest)	h5	mm	85
	The height of the operating handle in the driving position: minimum and maximum	h6	mm	1113/1439
	Total length: put the pedal away, put the pedal down	L1	mm	1804/2200
	Overall length (without fork): put the pedal away, put the pedal down	L2	mm	666/1049
	Total width	b1	mm	704
	Fork size: length, width and height	l/e/s	mm	1150/180/50
	Fork outer width	b3	mm	570/680
	Minimum ground clearance of the body	m1	mm	26
	Channel width: pallet 1000*1200 (1200 cross fork placement): put the pedal away and put the pedal down	Ast	mm	2430/2820
	Channel width: pallet 800*1200 (1200 is placed along the fork): Put the pedal away and put the pedal down	Ast	mm	2295/2685
	Minimum turning radius: put the pedal away, put the pedal down	Wa	mm	1628/2017
Performances	Driving speed: full load and no load		km/h	6/6
	Lifting speed: full load and no load		mm/s	35/45
	Descending speed: full load and no load		mm/s	62/34
	Climbing performance (S2-5 minutes) full load and no load		%	8/15
	Driving braking method		N	Electromagnetic
Motor	Drive motor power (S2-60 minutes)		kW	1.25
	Lifting motor power (S3-7.5%)		kW	1.3
	Steering motor power (S2-10 minutes)		kW	0.165
	Battery type			Battery
	Battery voltage rated capacity (5-hour discharge rate)		V/Ah	24/180
	Battery weight		kg	172
Other	Drive control method			AC speed feedback
	Noise in the driver's ear, according to EN12053		dB (A)	≤70

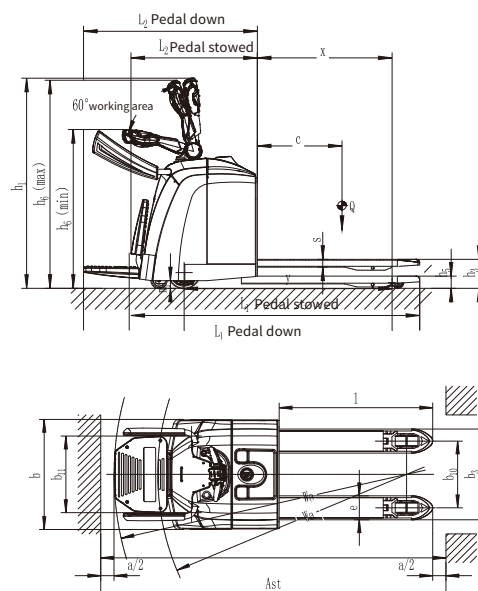
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XVC25/30-PSR-C Stand-on electric pallet truck



Product features

- Suitable for medium and long-distance, heavy-duty, and high-intensity working conditions.
- Micro-gap guide rail type lifting mechanism to reduce energy consumption and failure rate; unique spherical surface.
- Unique force-increasing structure and shock-absorbing design of the drive system, adjustable drive grip.
- The “eight”-shaped molded fork panel has higher strength and can effectively prevent the cargo from slipping.
- Turning linear variable speed setting, with stepless speed regulation and a number of automatic protection functions.
- Visual fault diagnosis function, easy maintenance and maintenance; the whole vehicle is equipped with AMP waterproof plug-in.



Product parameters

Characteristics	Model			XVC25-PSR-C	XVC30-PSR-C
	Power type			Electric	
	Driving method			Stand-up	
	Rated load		kg	2500	3000
	Load center distance	Q	mm	600	
	Front suspension	c	mm	955	
	wheelbase	x	mm	1474	
Weights	Weight (without battery)		kg	630	
Wheels	Tire type			Polyurethane	
	Tire size: drive wheel		mm	φ230*75	
	Tire size: load-bearing wheels		mm	φ80*80	
	Tire size: balance wheel		mm	φ115*55	
	Number of wheels: drive wheel (x=drive wheel) load-bearing wheel			1x-2/4	
	Wheel track: load-bearing side: 570 wide and 680 wide	b10	mm	390/500	
	Wheel track: drive side	b11	mm	580	
Basic dimensions	Total height	h1	mm	1480	
	Lifting height	h3	mm	205	
	The height of the fork surface from the ground (when the fork is lowest)	h5	mm	85	
	The height of the operating handle in the driving position: minimum and maximum	h6	mm	1125/1475	
	Total length: put the pedal away, put the pedal down	L1	mm	2047/2383	
	Overall length (without fork): put the pedal away, put the pedal down	L2	mm	896/1232	
	Total width	b1	mm	825	
	Fork size: length, width and height	l/e/s	mm	1150/180/55	
	Fork outer width	b3	mm	570/680	
	Minimum ground clearance of the body	m1	mm	54	
	Channel width: pallet 1000*1200 (1200 cross fork placement): put the pedal away and put the pedal down	Ast	mm	2665/2992	
	Channel width: pallet 800*1200 (1200 is placed along the fork): Put the pedal away and put the pedal down	Ast	mm	2535/2861	
	Minimum turning radius: put the pedal away, put the pedal down	Wa	mm	1865/2192	
Performances	Driving speed: full load and no load		km/h	6/6	
	Lifting speed: full load and no load		mm/s	30/35	
	Descending speed: full load and no load		mm/s	42/30	
	Climbing performance (S2-5 minutes) full load and no load		%	6/8	
	Driving braking method		N	Electromagnetic	
Motor	Drive motor power (S2-60 minutes)		kW	1.5	1.8
	Lifting motor power (S3-7.5%)		kW	2.2	
	Steering motor power (S2-10 minutes)		kW	0.165	
	Battery type			Battery	
	Battery voltage rated capacity (5-hour discharge rate)		V/Ah	24/240	24/270
	Battery weight		kg	240	270
Other	Drive control method			AC speed feedback	
	Noise in the driver's ear, according to EN12053		dB (A)	≤70	

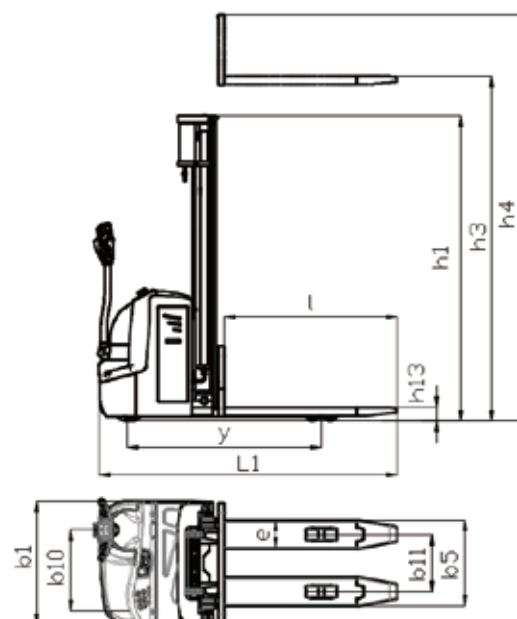
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XVS16/20-PWB-C Walkie electric pallet stacker



Product features

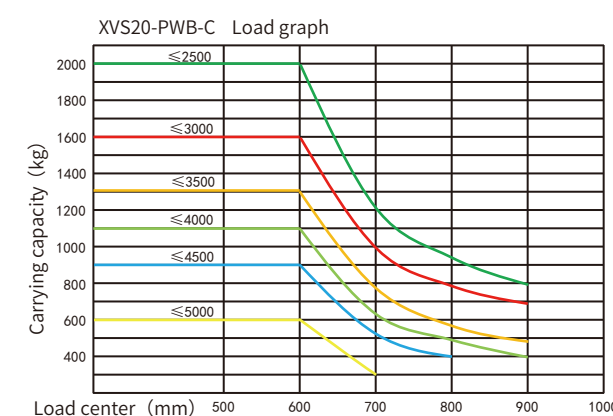
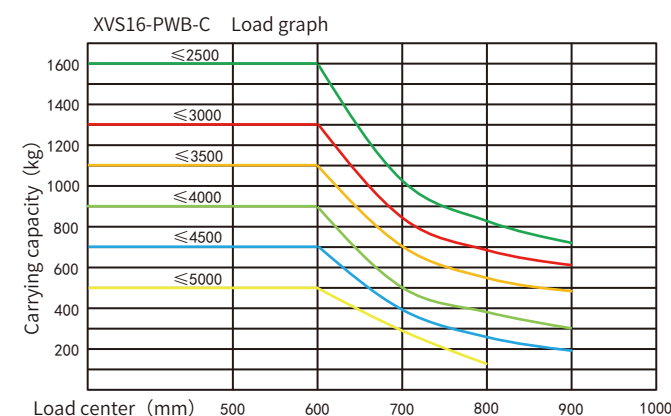
- Walking pallet stacker with rated load of 1600kg-2000kg, mainly suitable for supermarket storage, Floor work and short and medium distance handling. A safe and economical choice of four fulcrum.
- Turning radius as small as 1490mm, can work freely in the narrow space of 2375mm channel. The rear panel adopts large curved stamping parts, anti-pressure foot design, smooth appearance and better collision resistance.
- The long handle design allows the operator to work efficiently while maintaining a certain safe distance from the car body with less operating force.
- Side pull battery, convenient charging device, imported electronic control covering, easy disassembly and maintenance.



Mast parameters

One Mast							
Lifting height	h3	mm	1600				
Mast retraction height	h1	mm	2090				
Mast lifting height	h4	mm	2090				
Free lifting height	h2	mm	1600				
Single cylinder two stage mast							
Lifting height	h3	mm	2500	3000	3500	4000	4500
Mast retraction height	h1	mm	1775	2025	2275	2575	2825
Mast lifting height	h4	mm	3000	3500	4000	4500	5000
Double cylinder two stage mast							
Lifting height	h3	mm	2500	3000	3500	4000	4500
Mast retraction height	h1	mm	1775	2025	2275	2575	2825
Mast lifting height	h4	mm	3000	3500	4000	4500	5000
Three stage mast							
Lifting height	h3	mm	4000	4500	5000		
Mast retraction height	h1	mm	1933	2100	2267		
Mast lifting height	h4	mm	4500	5000	5500		
Three stage free lifting mast							
Lifting height	h3	mm	4000	4500	5000		
Mast retraction height	h1	mm	1933	2100	2267		
Free lifting height	h2	mm	1383	1550	1717		
Mast lifting height	h4	mm	4500	5000	5500		

Load graph



Product parameters

Characteristics	Model			XVS16-PWB-C		XVS20-PWB-C	
	Power type			Battery			
	Driving method			Walking			
	Rated load	Q	kg	1600		2000	
	Load center distance	c	mm	600			
	Wheelbase	y	mm	1290			
Weights	Vehicle weight (including battery)		kg	1200			
	Bridge load at full load: driving side, load-bearing side		kg	/			
	Bridge load at no load: load-bearing side on the drive side		kg	/			
Wheels	Tire type: drive side, load-bearing side			Polyurethane			
	Tire size: load-bearing side		mm	φ80*70			
	Tire size: drive side		mm	φ230*75			
	Stabilizer wheel size		mm	φ125*50			
	Number of wheels: drive wheel (x=drive wheel) load-bearing wheel			4/1x+1			
	Wheel track: load-bearing side	b10	mm	530			
	Wheel track: drive side	b11	mm	490			
Basic dimensions	Mast retraction height	h1	mm	2025			
	Lifting height	h3	mm	3000			
	Max mast lifting height	h4	mm	3500			
	Handle height: minimum and maximum	h14	mm	700/1300			
	Minimum height of fork surface from the ground	h13	mm	90			
	Vehicle length	l1	mm	1990			
	Vehicle width	b1	mm	820			
	Fork size	l/e/s	mm	1150/190/58			
	Outer distance of fork	b5	mm	680*			
	Minimum ground clearance	m1	mm	30			
	Height of the roof frame	h6	mm	/			
	Channel width (1000 X 1200 pallets) load center C500mm	Ast	mm	2375			
	Right angle stacking channel width (pallet 800x1200) C600mm	Ast	mm	2375			
	Turning radius	Wa	km/h	1490			
Performances	Driving speed: full load and no load		mm/s	5.0/6.0			
	Lifting speed: full load and no load		mm/s	125/175			
	Descending speed: full load and no load		%	115/135			
	Climbing performance (S2-5 minutes) full load and no load		%	≤6/≤12			
	Driving braking method			Electromagnetic			
Motor	Drive motor power (S2-60 minutes)		kW	1.5			
	Lifting motor power (S3-15%)		kW	3			
	Battery voltage/ rated capacity		V/Ah	24/210* (Side pull battery)			
	Battery weight		kg	180			
	Steering system			Mechnaic			
Other	Battery changing method			Side-pull			
	Mast series			Double cylinder double mast			

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(1) The optional outer distance of the fork is 570mm.

(2) When the outer distance of the distribution fork is 570mm, the lifting height of XVS16-PWB-C is H1600~5000mm, and the lifting height of XVS20-PWB-C is H1600~4500mm.

(3) When the outer distance of the distribution fork is 570mm, the lifting height of XVS16-PWB-C is H1600~2500mm without losing load capacity; Lifting height H2500~5000mm, 150Kg load reduction based on the standard load curve. The lifting height of XVS20-PWB-C is H1600~5000mm, and the load is reduced by 200Kg based on the standard load curve.

(4) Optional 150 lithium battery.

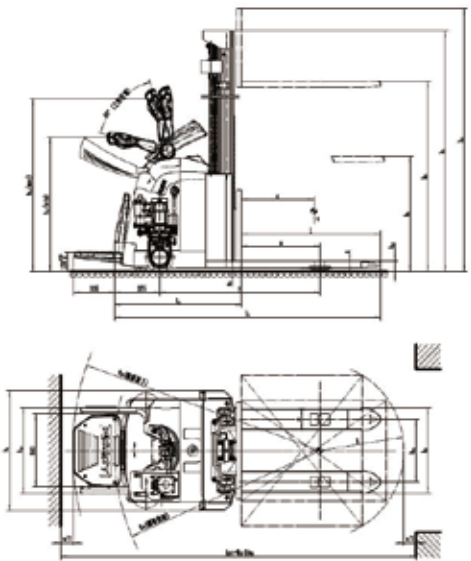
(5) Optional three stage free lifting mast.

XVS16/20-PSR-C Stand-on electric pallet stacker



Product features

- The whole steel plate of the support leg is cut and formed in one piece to ensure the stability of the chassis and improve safety.
- The unique patented technology of cylinder switching ensures that the two-stage door frame to the three-stage door frame is stable and accurate.
- Optional proportional valve and pump control can realize precise operation when stacking goods.
- Strong and solid body to ensure the stability of high operation.





WAREHOUSE FORKLIFT

Product parameters

Mast parameters

XVS16-PSR-C Tree stage free lifting mast parameters					XVS16/20-PSR-C Two stage mast parameters				
Serial number	Lifting height h3(mm)	Mast retraction height h1(mm)	Max free lifting height h2(mm)	Mast expansion height h4(mm)	Serial number	Lifting height h3(mm)	Mast retraction height h1(mm)	Max free lifting height h2(mm)	Mast expansion height h4(mm)
1	3500	1710	1130	4100	1	2000	1515	0	2580
2	3700	1810	1230	4300	2	2300	1665	0	2880
3	4000	1910	1330	4600	3	2500	1765	0	3080
4	4300	2010	1430	4900	4	2700	1865	0	3280
5	4500	2060	1480	5100	5	3000	2015	0	3580
6	5000	2210	1630	5600	6	3300	2165	0	3880
7	5300	2310	1730	5900	7	3500	2265	0	4080
8	5500	2410	1830	6100	8	3700	2365	0	4280
9	6000	2610	2030	6600	9	4000	2565	0	4630

Load center distance

XVS16-PSR-C		Lifting weight(kg)				
		Load center distance (mm)				
Serial number	Max lifting height(m)	600(rated)	700	800	900	1000
1	≤3	1600	1370	1200	1060	960
2	3.3	1450	1240	1080	960	870
3	3.5	1350	1150	1010	900	810
4	3.7	1250	1070	930	830	750
5	4	1200	1020	900	800	720
6	4.3	1070	900	800	710	640
7	4.5	970	830	720	640	580
8	5	840	720	630	560	500
9	5.3	750	640	560	500	450
10	5.5	690	590	510	460	410
11	6	600	510	450	400	360

XVS20-PSR-C		Lifting weight(kg)				
		Load center distance (mm)				
Serial number	Max lifting height(m)	600(rated)	700	800	900	1000
1	≤2.5	2000	1710	1500	1330	1200
2	2.7	1850	1580	1380	1230	1110
3	3	1600	1370	1200	1060	960
4	3.3	1450	1240	1080	960	870
5	3.5	1350	1150	1010	900	810
6	3.7	1250	1070	930	830	750
7	4	1200	1020	900	800	720
8	4.3	1070	900	800	710	640
9	4.5	970	830	720	640	580
10	5	840	720	630	560	500
11	5.3	750	640	560	500	450
12	5.5	690	590	510	460	410
13	6	600	510	450	400	360

Characteristics	1.1	Manufacturer			XCMG		
	1.2	Model			XVS16-PSR-C	XVS16-PSR-C (Three-stage full free mast)	XVS20-PSR-C
	1.3	Power system (Motor,diesel,gasoline,LPG,or electric)			Electric		
	1.4	Driving mode (Manual,walkie,stand-on,sit-on,and order picking)			Stand-up		
	1.5	Rated load	Q	kg	1600	1600	2000
	1.6	Load center distance	C	mm	600		
	1.7	wheelbase	Y	mm	1293	1327	1293
	1.8	Front suspension	x	mm/s	647.5		
Weights	2.1	Vehicle weight (including battery)		kg	1390	1600	1410
	2.2	Bridge load at full load: driving side, load-bearing side		kg	1170/1820	1126/2074	1228/2182
	2.3	Bridge load at no load: load-bearing side on the drive side		kg	973/417	1114/486	995/415
Wheels	3.1	Tires (Rubber tires, hyperelastic tires, air inflated tires, and polyurethane tires)			Polyurethane		
	3.2	Tire size: drive wheel			Φ230×75		
	3.3	Tire size: load-bearing wheels			Φ80×80		
	3.4	Tire size: balance wheel			Φ115×55		
	3.5	Number of wheels: drive wheel (x=drive wheel) load-bearing wheel			1×-2/4		
	3.6	Wheel track: load-bearing side			690		
	3.7	Wheel track: drive side			500/390	500	500/390
Basic dimensions	4.1	Mast retraction height	h1	mm	2015	2060	2015
	4.2	Free lifting height	h2	mm	0	1480	0
	4.3	Lifting height	h3	mm	3000	4500	2500
	4.4	Mast extensible height	h4	mm	3580	5600	3080
	4.5	Handle height: minimum and maximum	h6	mm	1127/1489	1127/1489	1127/1489
	4.6	Minimum height of fork surface from the ground	h5	mm	85	85	85
	4.7	Vehicle length	L1	mm	2169	2200	2169
	4.8	Distance from fork surface to front	L2	mm	1019	1050	1019
	4.9	Vehicle width	b1	mm	963		
	4.10	Fork size	s/e/l	mm	55/180/1150		
	4.11	Outer distance of fork	b5	mm	680/570	680	680/570
	4.12	Minimum ground clearance	m	mm	31.5		
	4.13	Channel width (1000 X 1200 pallets) load center C500mm	Ast	mm	2566/2909	2596/2939	2566/2909
	4.14	Right angle stacking channel width (pallet 800x1200) C600mm	Ast	mm	2552/2895	2582/2925	2552/2895
	4.15	Minimum turning radius: put the pedal away, put the pedal down	Wa	mm	1670/2013	1730/2073	1670/2013
Performances	5.1	Driving speed: full load and no load		km/h	5/5	5/5	5/5
	5.2	Lifting speed: full load and no load		mm/s	90/120	100/120	90/120
	5.3	Descending speed: full load and no load		mm/s	120/110	130/120	120/110
	5.4	Maximum climbing ability: full no load		%	5/8	5/8	5/8
	5.5	Driving braking method			Electromagnetic		
Motor	6.1	Drive motor power (S2-60 minutes)		kw	1.5		
	6.2	Lifting motor power (S3-7.5%)		kw	3		
	6.3	Steering motor power (S3-10 minutes)		kw	0.16		
	6.4	Battery type DIN43531/35/36 A,B,C,NO			B 3PZS		
	6.5	Battery voltage rated capacity(5 hours discharge rate)		V/Ah	24/240	24/240	24/270
	6.6	Battery weight		kg	240	240	260
Other	7.1	Drive control method			Velocity feedback		
	7.2	The noise level in the driver's ear is based on EN12053		dB(A)	≤70		

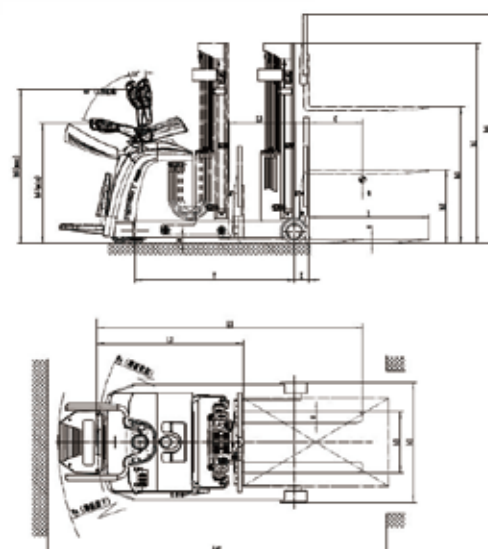
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XVSF16/20-PSR-C Reach Forklift



Product features

- Five-wheel support technology, effectively protect the drive, pass the ground more smoothly;
- Pipeline, circuit layout is reasonable, wide vision, easy to operate;
- Equipped with professionally developed multi-way valve, it can realize the precise control of lifting and moving forward;
- Compared with similar products, the operation channel is smaller and more reliable.



WAREHOUSE FORKLIFT

Product parameters

Characteristics	Model			XVSF16-PSR-C		XVSF20-PSR-C
	Power system			Electric		
	Driving mode			Stand-up		
	Rated load	Q	kg	1600		2000
	Load center distance	c	mm	500		
	Front suspension	x	mm	110	133	110
	wheelbase	y	mm	1325	1425	1475
Weights	Vehicle weight (including battery)		kg	2323	2562	2369
	Bridge load at full load: driving side, load-bearing side		kg	1598/2325	1680/2520	1569/2800
	Bridge load at no load: load-bearing side on the drive side		kg	1639/684	1820/780	1652/717
Wheels	Tires (Rubber tires, hyperelastic tires, air inflated tires, and polyurethane tires)			Polyurethane		
	Tire size: drive wheel		mm	φ230*75		
	Tire size: load-bearing wheels		mm	φ210*85		
	Tire size: balance wheel		mm	φ140*60		
	Number of wheels: drive wheel (x=drive wheel) load-bearing wheel			1x-2/2		
	Wheel track: load-bearing side	b11	mm	696		
	Wheel track: drive side	b10	mm	985		
Basic dimensions	Mast retraction height	h1	mm	2015	1980	2015
	Free lifting height	h2	mm	0	1220	0
	Lifting height	h3	mm	3000	4500	2500
	Mast extensible height	h4	mm	3912	5350	3412
	Handle height: minimum and maximum	h6	mm	1084/1392		
	Minimum height of fork surface from the ground	h5	mm	40		
	Vehicle length	L1	mm	2248	2348	2398
	Distance from fork surface to front	L2	mm	1178	1278	1328
	Vehicle width	b1	mm	1090		
	Fork size	l/e/s	mm	40/100/950		
	Outer distance of fork	B3	mm	215-754		
	Minimum ground clearance	ml	mm	55		
	Channel width (1000 X 1200 pallets) load center C500mm	Ast	mm	2652/2972	2752/3072	2802/3122
	Right angle stacking channel width (pallet 800x1200) C600mm	Ast	mm	2682/3002	2782/3102	2832/3152
Minimum turning radius: put the pedal away, put the pedal down	Wa	mm	1658/1978	1758/2078	1808/2128	
Performances	Driving speed: full load and no load		km/h	5/6		
	Lifting speed: full load and no load		mm/s	90/120		
	Descending speed: full load and no load		mm/s	120/85		
	Maximum climbing ability: full no load		%	5/8		
	Driving braking method			Electromagnetic		
Motor	Drive motor power (S2-60 minutes)		kW	1.8		
	Lifting motor power (S3-15%)		kW	3		
	Steering motor power (S3-10 minutes)		kW	0.16		
	Battery type DIN43531/35/36 A,B,C,NO			Battery		
	Battery voltage rated capacity (5 hours discharge rate)		V/Ah	24/240		24/270
	Battery weight		kg	240		270
Other	Drive control method			Velocity feedback		
	The noise level in the driver's ear is based on EN12053		dB(A)	≤75		

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Mast parameters

XVSF16-PSR-C Two-stage mast parameters					
Serial number	Lifting height h3(mm)	Height with masts retracted h1(mm)	Max Free lifting height h2(mm)	Mast expansion height h4(mm)	Tilt angle α/β (°)
1	2000	1515	0	2912	1/5
2	2300	1665	0	3212	1/5
3	2500	1765	0	3412	1/5
4	2700	1865	0	3612	1/5
5	3000	2015	0	3912	1/5
6	3300	2165	0	4212	1/5
7	3500	2265	0	4412	1/5
8	3700	2365	0	4612	1/5
9	4000	2565	0	5012	1/5

XVSF16/20-PSR-C Three-stage mast parameters					
Serial number	Lifting height h3(mm)	Height with masts retracted h1(mm)	Max Free lifting height h2(mm)	Mast expansion height h4(mm)	Tilt angle α/β (°)
1	3500	1630	870	4350	1/5
2	3700	1730	970	4550	1/5
3	4000	1830	1070	4850	1/5
4	4300	1930	1170	5150	1/5
5	4500	1980	1220	5350	1/5
6	5000	2130	1370	5850	1/5
7	5300	2230	1470	6150	1/5
8	5500	2330	1570	6350	1/5
9	6000	2530	2030	6850	1/5

XVSF20-PSR-C Two-stage mast parameters					
Serial number	Lifting height h3(mm)	Height with masts retracted h1(mm)	Max Free lifting height h2(mm)	Mast expansion height h4(mm)	Tilt angle α/β (°)
1	2000	1515	0	2912	1/5
2	2300	1665	0	3212	1/5
3	2500	1765	0	3412	1/5
4	2700	1865	0	3612	1/5
5	3000	2015	0	3912	1/5
6	3300	2165	0	4212	1/5
7	3500	2265	0	4412	1/5
8	3700	2365	0	4612	1/5
9	4000	2565	0	5012	1/5

XVSF16-PSR-C		Lifting weight (kg)					
		Load center distance (mm)					
Serial number	Max free lifting height (m)	500(rated)	600	700	800	900	1000
1	≤3	1600	1380	1210	1080	970	880
2	3.3	1450	1250	1090	980	880	800
3	3.5	1350	1160	1020	910	820	750
4	3.7	1250	1070	940	840	760	690
5	4	1200	1030	910	810	730	660
6	4.3	1070	920	810	720	650	590
7	4.5	970	830	730	650	590	530
8	5	840	720	630	560	510	460
9	5.3	750	640	560	500	450	410
10	5.5	690	590	520	460	420	380
11	6	600	510	450	400	360	330

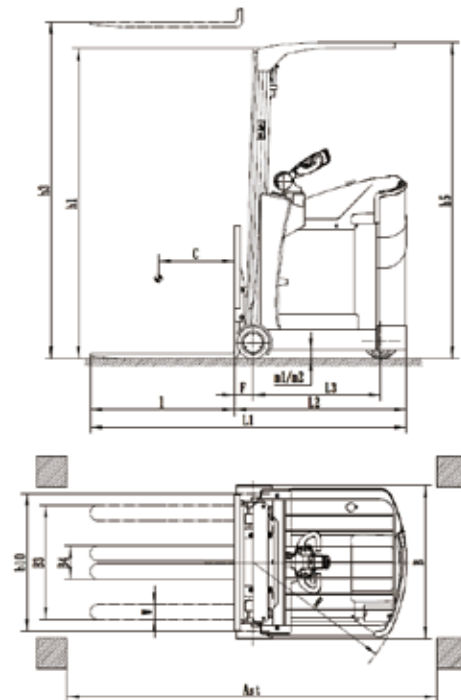
XVSF20-PSR-C		Lifting weight (kg)					
		Load center distance (mm)					
Serial number	Max free lifting height (m)	500(rated)	600	700	800	900	1000
1	≤2.5	2000	1720	1510	1350	1220	1110
2	2.7	1850	1590	1400	1250	1120	1020
3	3	1600	1380	1210	1080	970	880
4	3.3	1450	1250	1090	980	880	800
5	3.5	1350	1160	1020	910	820	750
6	3.7	1250	1070	940	840	760	690
7	4	1200	1030	910	810	730	660
8	4.3	1070	920	810	720	650	590
9	4.5	970	830	730	650	590	530
10	5	840	720	630	560	510	460
11	5.3	750	640	560	500	450	410
12	5.5	690	590	520	460	420	380
13	6	600	510	450	400	360	330

XVSB08/10/12/15-PSR-C Counterbalanced forklifts



Product features

- It is suitable for narrow channel operation, 2.3M(Min).
- The unique five-wheel support technology makes it stable and safe when operating at a high position.
- The full-open rear door design, the rear pull battery, the maintenance is extremely convenient, and the seat tiller.
- Operation design is easy to operate, the vision is good, and the labor intensity is reduced.



Product parameters

Specifications and models	1.1	Manufacturer				XCMG			
						XVSB08-PSR-C	XVSB10-PSR-C	XVSB12-PSR-C	XVSB15-PSR-C
	1.2	Model							
	1.3	Rated load	Q	kg		800	1000	1200	1500
	1.4	Load center distance	c	mm		500	500	500	500
	1.5	Motor type	DC/AC, Open/Closed			AC/Closed	AC/Closed	AC/Closed	AC/Closed
Dimension	2.1	Standard lifting height	h3	mm		3000	3000	3000	3000
	2.2	Free lifting height	h2	mm		0	0	0	0
	2.3	Mast tilt angle	Front/Rear	α/β	deg	/	/	1°/5°	1°/5°
	2.4	Fork rack standard				ISO2328	ISO2328	ISO2328	ISO2328
	2.5	Standard fork size	Length/width/thickness	s/e/l	mm	35/100/950	35/100/950	35/100/950	40/100/950
	2.6	The spacing of the fork adjustments	Max/Min	B3/B4	mm	754/215	754/215	754/215	754/215
	2.7	Overall length	Rear to fork tip	L1		2109	2109	2458	2568
	2.8	Body length	Rear to the front face of the vertical fork	L2		1140	1140	1499	1499
	2.9	Overall width		B	mm	1014	1014	1014	1014
	2.10	Height with masts retracted		h1	mm	2045	2045	2010	2010
	2.11	Mast unfolded height		h4	mm	3850	3850	3908	3908
	2.12	Overhead guard height		h5	mm	2085	2085	2045	2045
	2.13	Front overhang		F	mm	130	130	134	134
	2.14	Minimum turning radius		R	mm	1110	1110	1570	1570
	2.15	Minimum right-angle aisle width			mm	1420	1420	1785	1785
	2.16	Right-angle stacking aisle width	1000×1000pallet	Ast	mm	2340	2340	2800	2800
Performance	3.1	Driving speed	Forward (full load/empty load)		km/h	5/5	5/5	5/5	5/5
	3.2		Backward (full load/empty load)		km/h	5/5	5/5	5/5	5/5
	3.3	Lifting speed	full load/empty load)		mm/s	130/200	130/200	95/120	95/120
	3.4	Lowering speed	full load/empty load)		mm/s	160/140	160/140	120/85	120/85
	3.5	Maximum traction	full load/empty load) S2 5 Min		N	1600	1600	1600	1800
	3.6	Maximum gradeability	full load/empty load) S2 5 Min		%	5/7	5/7	5/8	5/8
Mass	4.1	Vehicle weight	including accumulator		kg	1965	2165	2205	2325
Wheels	5.1	Number of wheels	Front/Rear (X = Drive Wheel)			2/1×-2	2/1×-2	2/1×-2	2/1×-2
	5.2	Wheel type	Front wheel			Polyurethane	Polyurethane	Polyurethane	Polyurethane
	5.3		Rear wheel			Polyurethane	Polyurethane	Polyurethane	Polyurethane
	5.4	Wheelbase		L3	mm	842	842	1098	1098
	5.5	Wheel tread	Front wheel		mm	909	909	909	909
	5.6		Rear wheel		mm	0	0	0	0
	5.7	Ground clearance	lowest	m1	mm	55	55	55	55
	5.8		Wheelbase center	m2	mm	55	55	55	55
	5.9	Service brake mode	Mechanical/Hydraulic/Electrical/Air			Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic
Moving gear	6.1	Form				Welded type	Welded type	Welded type	Welded type
	6.2	Accumulator	Voltage/capacity		V/Ah	24/210	24/210	24/240	24/270
	6.3		Mass		kg	210	210	240	260
	6.4	Traveling motor	Power		kW	1.5	1.5	1.5	1.8
	6.5		Control mode			AC	AC	AC	AC
	6.6	Hoisting motors	Power		kW	2.2	2.2	3	3
	6.7		Control mode			DC	DC	DC	DC
	6.10		Form (the installation / external)			External	External	External	External
	6.11	Charger	Charging mode			Smart charging	Smart charging	Smart charging	Smart charging
	6.12		Phase/voltage		/V	Uniphase/220	Uniphase/220	Uniphase/220	Uniphase/220
	6.13		Charging power		Kva	1.2	1.2	1.2	1.2
	7.1	Attachment working pressue			Mpa	16	16	16	16
Other	7.2	Driver's parotic noise level	according EN 12053		dB(A)	≤75	≤75	≤75	≤75

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Mast parameters

XVSB08-PSR-C Single-stage mast parameters					
Serial number	Lifting height h3(mm)	Height with masts retracted h1(mm)	Max Free lifting height h2(mm)	Mast expansion height h4(mm)	Tilt angle α/β (°)
1	1200	1720	870	2050	0
2	1350	1870	1020	2200	0
3	1500	2085	1235	2350	0
4	1650	2170	1320	2500	0
5	1800	2320	1470	2650	0
6	2000	2520	1670	2850	0

XVSB08-PSR-C Two-stage lifting mast parameters					
Serial number	Lifting height h3(mm)	Height with masts retracted h1(mm)	Max Free lifting height h2(mm)	Mast expansion height h4(mm)	Tilt angle α/β (°)
1	2500	1800	0	3350	0
2	2700	1900	0	3550	0
3	3000	2085	0	3850	0
4	3300	2195	0	4150	0
5	3700	2395	0	4550	0
6	4000	2545	0	4850	0

XVSB12/15-PSR-C Two-stage lifting mast parameters					
Serial number	Lifting height h3(mm)	Height with masts retracted h1(mm)	Max Free lifting height h2(mm)	Mast expansion height h4(mm)	Tilt angle α/β (°)
1	2000	1510	0	2908	1/5
2	2300	1660	0	3208	1/5
3	2500	1760	0	3408	1/5
4	2700	1860	0	3608	1/5
5	3000	2010	0	3908	1/5
6	3300	2165	0	4208	1/5
7	3500	2260	0	4408	1/5
8	3700	2360	0	4608	1/5
9	4000	2560	0	4908	1/5

XVSB08/10/12/15-PSR-C Three-stage full free lifting mast parameters					
Serial number	Lifting height h3(mm)	Height with masts retracted h1(mm)	Max Free lifting height h2(mm)	Mast expansion height h4(mm)	Tilt angle α/β (°)
1	3500	1710	870	4338	1/5
2	3700	1810	970	4538	1/5
3	4000	1910	1070	4838	1/5
4	4300	2010	1170	5138	1/5
5	4500	2060	1220	5338	1/5
6	5000	2210	1370	5838	1/5
7	5300	2310	1470	6138	1/5
8	5500	2410	1570	6338	1/5
9	6000	2610	1770	6838	1/5

Product parameters

XVSB08-PSR-C		Lifting weight (kg)					
		Load center distance (mm)					
Serial number	Max free lifting height(m)	500(rated)	600	700	800	900	1000
1	≤3	800	690	600	540	490	440
2	3.3	700	600	530	470	420	390
3	3.7	600	510	450	400	360	330
4	4	500	430	380	330	300	280

XVSB12-PSR-C		Lifting weight (kg)					
		Load center distance (mm)					
Serial number	Max free lifting height(m)	500(rated)	600	700	800	900	1000
1	≤3	1200	1030	910	810	730	670
2	3.3	1100	950	830	740	670	610
3	3.5	1000	860	760	670	610	560
4	3.6	950	820	720	640	580	530
5	3.7	900	770	680	610	550	500
6	4	850	730	640	570	520	470
7	4.3	790	680	600	530	480	440
8	4.5	710	610	540	480	430	390
9	5	600	510	450	400	360	330
10	5.3	530	450	400	360	340	290
11	5.5	470	400	350	310	280	260
12	6	400	340	300	270	240	220

XVSB10-PSR-C		Lifting weight (kg)					
		Load center distance (mm)					
Serial number	Max free lifting height(m)	500(rated)	600	700	800	900	1000
1	≤3	1000	860	760	670	610	550
2	3.3	900	770	680	610	550	500
3	3.7	800	690	600	540	490	440
4	4	700	600	530	470	420	390

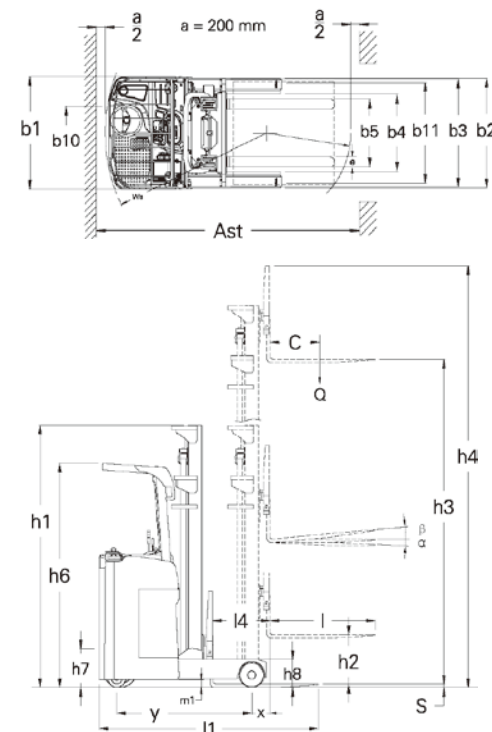
XVSB15-PSR-C		Lifting weight (kg)					
		Load center distance (mm)					
Serial number	Max free lifting height(m)	500(rated)	600	700	800	900	1000
1	≤3	1500	1290	1140	1010	920	830
2	3.3	1350	1160	1020	910	820	750
3	3.5	1250	1080	950	840	760	690
4	3.7	1200	1030	910	810	730	670
5	4	1100	950	830	740	670	610
6	4.3	1000	860	760	670	610	550
7	4.5	910	780	690	610	550	500
8	5	780	670	590	530	470	430
9	5.3	700	600	530	470	430	390
10	5.5	630	540	470	420	380	350
11	6	550	470	410	370	330	300

XVF15/20/25-PSB-C Stand-on reach forklift

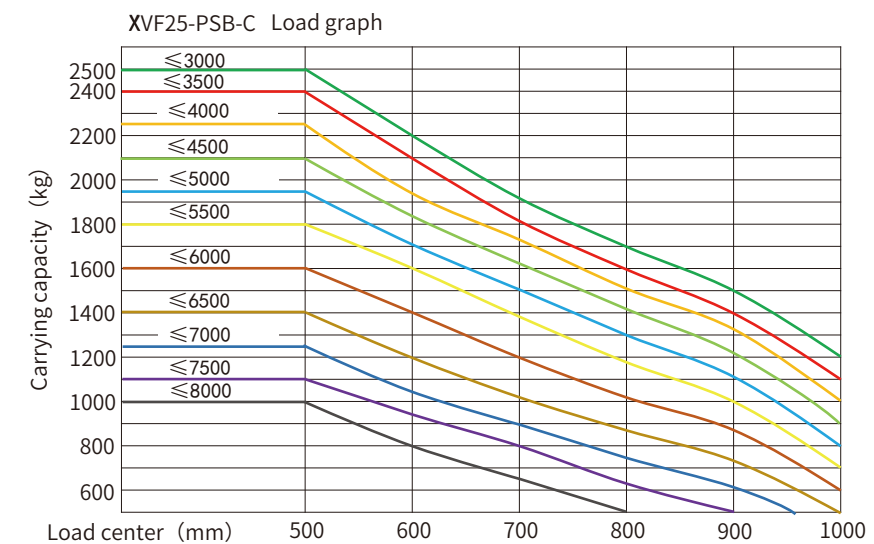
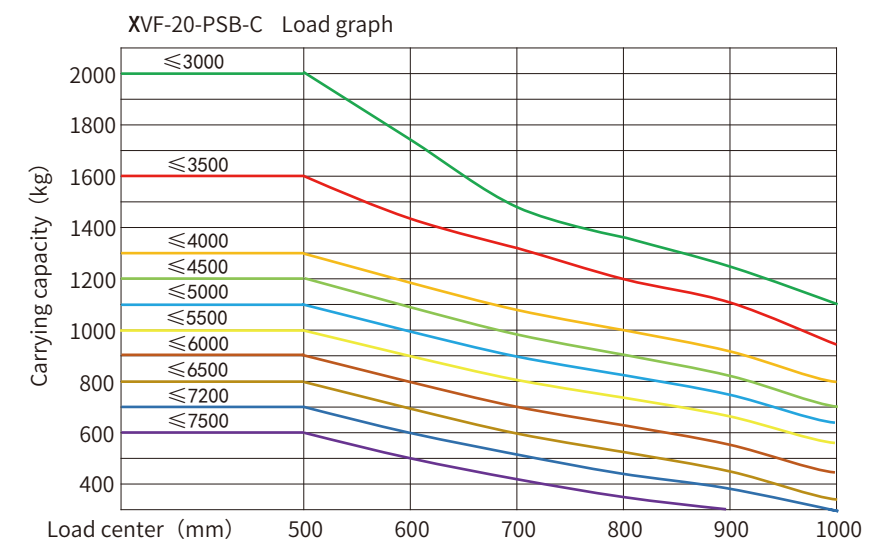
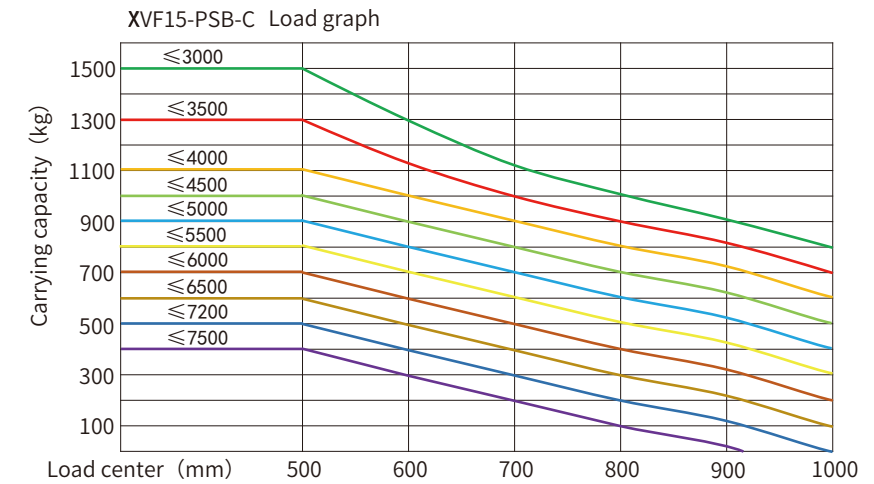


Product features

- High-strength vertical gearbox, long working life, multi-layer testing of oil pumps, cylinders and pipelines ensure the high reliability of the hydraulic system.
- Clever mast design increases the free lifting height (1.5T).
- The anti-roll braking function prevents the car from sliding when it is out of control or driving on a slope.
- Smaller body size with a small turning radius and right-angle stacking lanes.
- Ergonomic design, easy-to-operate valve stem and multi-function intelligent instrument, some models have wheel display function.



Load curve diagram





Mast parameters

XVF15-PSB-C										
Mast type	Two-stage									
Lifting height	h3(mm)	3000	3500	4000	4500					
The maximum height of the mast when lifting (minmcluding the retaing shelf)	h4(mm)	3960	4460	4960	5460					
Closed mast height	h1(mm)	2082	2332	2632	2882					
Free lifting height	h2(mm)	0	0	0	0					
Mast type	Three-stage fully free mast									
Lifting height	h3(mm)	4500	5000	5500	6000	6500	7000	7200	7500	
The maximum height of the mast when lifting (minmcluding the retaing shelf)	h4(mm)	5460	5960	6460	6960	7460	7960	8160	8460	
Closed mast height	h1(mm)	2142	2309	2475	2642	2809	2975	3042	3142	
Free lifting height	h2(mm)	1542	1709	1875	2042	2209	2375	2442	2542	

XVF20-PSB-C										
Mast type	Two-stage									
Lifting height	h3(mm)	3000	3500	4000	4500					
The maximum height of the mast when lifting (minmcluding the retaing shelf)	h4(mm)	3960	4460	4960	5460					
Closed mast height	h1(mm)	2082	2332	2632	2882					
Free lifting height	h2(mm)	80	80	80	80					
Mast type	Three-stage fully free mast									
Lifting height	h3(mm)	4500	5000	5500	6000	6500	7000	7200	7500	
The maximum height of the mast when lifting (minmcluding the retaing shelf)	h4(mm)	5460	5960	6460	6960	7460	7960	8160	8460	
Closed mast height	h1(mm)	2142	2309	2475	2642	2809	2975	3042	3142	
Free lifting height	h2(mm)	1542	1709	1875	2042	2209	2375	2442	2542	

XVF25-PSB-C										
Mast type	Two-stage									
Lifting height	h3(mm)	3000	3500	4000	4500					
The maximum height of the mast when lifting (minmcluding the retaing shelf)	h4(mm)	3960	4460	4960	5460					
Closed mast height	h1(mm)	2082	2332	2632	2882					
Free lifting height	h2(mm)	80	80	80	80					
Mast type	Three-stage fully free mast									
Lifting height	h3(mm)	4500	5000	5500	6000	6500	7000	7200	7500	8000
The maximum height of the mast when lifting (minmcluding the retaing shelf)	h4(mm)	5460	5960	6460	6960	7460	7960	8160	8460	8960
Closed mast height	h1(mm)	2292	2459	2625	2792	2959	3125	3192	3292	3559
Free lifting height	h2(mm)	1550	1716	1884	2050	2216	2384	2450	2550	2816



WAREHOUSE FORKLIFT

Product parameters

Characteristics	Model			XVF15-PSB-C	XVF15-PSB-C (Three-stage full free mast)	XVF20-PSB-C	XVF20-PSB-C (Three-stage full free mast)	XVF25-PSB-C	XVF25-PSB-C (Three-stage full free mast)	
	Power system			Eletric						
	Driving mode			Stand-on type						
	Rated load capacity	Q	kg	1500		2000		2500		
	Load center distance	c	mm	500						
	Front overhang	x	mm	180						
	Wheelbase	y	mm	1345		1545		1720		
Weight	Vehicle weight (including battery)		kg	2450	2850	2750	2950	3300	3580	
	Axle load at no load: drive side/load side		kg	1625/825	1900/950	/				
	Axle load at full load: fork forward, drive side/load-bearing side		kg	660/3290	600/3750	/				
	Axle load at full load: fork retracted, drive side/load-bearing side			1510/2440	1600/2750	/				
Wheels	Wheel type:drive/load-carrying end			Polyurethane						
	Wheel size, load-carrying end		mm	φ254*104				φ267*135		
	Wheel size, drive end		mm	φ343*108				φ380*165		
	Steady wheel size		mm	φ180*76				φ204*76		
	Number of wheels (X = drive wheel), drive/load-carrying end			2/1x+2						
	Wheel tread, drive end	b10	mm	680				725		
	Wheel tread, load-carrying end	b11	mm	964	1064			1135		
Basic dimensions	Fork inclination,front/rear	α/β	(°)	3/5						2/6
	Mast closure height	h1	mm	2082	2142	2082	2142	2082	2292	
	Free lifting height	h2	mm	400	1542	80	1542	80	1550	
	lifting height	h3	mm	3000	4500	3000	4500	3000	4500	
	The maximum height of the mast when lifting	h4	mm	3960	5460	3960	5460	3960	5460	
	Overhead guard height	h6	mm	2250				2300		
	Platform height	h7	mm	300				350		
	Overall length	l1	mm	2258	2283	2299	2336	2387	2434	
	Overall width	b1/b2	mm	1090	1090/1170			1190/1270		
	Fork size	l/e/s	mm	1070/100/35		1070/122/40				
	Load backrest size	b3	mm	1088						
	Fork outer spacing	b5	mm	222-650	222-750	244-772				
	Inner leg spacing	b4	mm	750	856			892		
	Reach distance	l4	mm	550	525	717	677	825	775	
	Mast ground clearance	ml	mm	82						
	Channel width (1000 X 1200 pallets) load center C500mm	Ast	mm	2663	2681	2746	2769	2894	2919	
	Right angle stacking channel width (pallet 800x1200) C600mm	Ast	mm	2714	2737	2764	2796	2882	2921	
	Turning radius	Wa	mm	1594		1784		1995		
Performances	Traveling speed, full-load/no-load		km/h	9/10						
	Lifting speed, full-load/no-load		mm/s	240/400	200/350	220/380	180/330	240/320	220/300	
	Lowering speed, full-load/no-load		mm/s	300/270	320/280	310/260	290/240	340/290	310/260	
	Maximum gradeability, full-load/no-load		%	≤10						
	Service brake			Mechanical						
Motor	Drive motor power (S2-60 minutes)		kW	4.5				5.5		
	Lifting motor power (S3-7.5%)		kW	7.5				8.6		
	Battery voltage, rated capacity K5		V/Ah	48/300				48/400		
	Battery weight		kg	500				650		
	Steering system			Pure electric steering EPS						
Other	Battery replacement way			Side-pulled						
	Lithium battery optional: voltage / rated capacity			48/240				48/320		

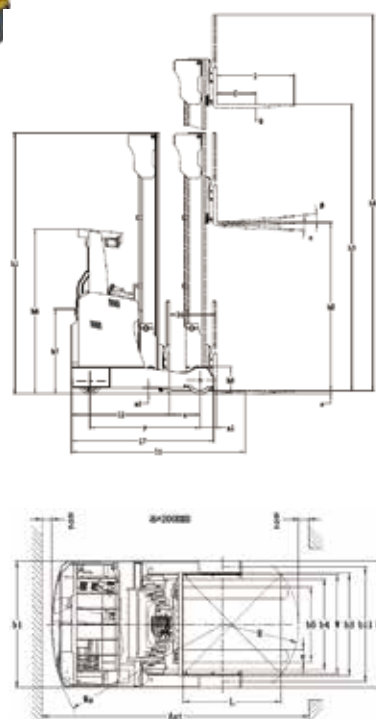
With technological progress, product structure, parameters, etc. will be continuously improved without notice.
If the sample information is slightly inconsistent with the actual product, the actual product shall prevail.

XVF16/20-PB-S/C/G Car-type Reach Forklift Truck



Product features

- All-wheel braking: equipped with front wheel & rear wheel brake, the braking effect is better, it can be used on slippery and icy ground, and the operator is safer to operate;
- Ergonomic design: easy-to-operate lever design and multi-functional intelligent instrument panel, with wheel display function, more comfortable and convenient operation, and the seat can be adjusted before and after to provide the most comfortable operating environment for the operator;
- High surplus capacity mast: high-precision mast, no loss of load below 6300mm, and excellent ability when ultra-high load;
- High stability mast: the mast is stable in high position, and the mast.



Load parameters

XVF16-PB-S/XVF20-PB-S: 4600-8500mm; XVF16-PB-C: 4600-9500mm; XVF16-PB-G: 4600-10500mm; XVF20-PB-C/XVF20-PB-G: 4600-12500mm;																						
Model	h ₃ (mm)	5400	5700	6000	6300	6500	6750	7000	7150	7500	8000	8500	9000	9500	10000	10500	10800	11000	11500	12000	12500	
XVF16-PB-S (48V420AH) Q (kg)	C=600mm	1600	1600	1600	1600	1550	1500	1500	1400	1300	1200	1050	/	/	/	/	/	/	/	/	/	
	C=700mm	1420	1420	1420	1420	1375	1330	1330	1240	1150	1060	930	/	/	/	/	/	/	/	/	/	
	C=800mm	1250	1250	1250	1250	1210	1170	1170	1090	1010	930	820	/	/	/	/	/	/	/	/	/	
	C=900mm	1040	1040	1040	1040	1000	970	970	910	840	780	680	/	/	/	/	/	/	/	/	/	
	C=1000mm	900	900	900	900	870	840	840	780	730	670	590	/	/	/	/	/	/	/	/	/	
	C=600mm	1600	1600	1600	1600	1600	1550	1500	1500	1400	1300	1200	1050	900	/	/	/	/	/	/	/	/
XVF16-PB-C (48V420AH) Q (kg)	C=700mm	1420	1420	1420	1420	1420	1375	1330	1330	1240	1150	1060	930	800	/	/	/	/	/	/	/	/
	C=800mm	1250	1250	1250	1250	1250	1210	1170	1170	1090	1010	930	820	700	/	/	/	/	/	/	/	/
	C=900mm	1040	1040	1040	1040	1040	1000	970	970	910	840	780	680	580	/	/	/	/	/	/	/	/
	C=1000mm	900	900	900	900	900	870	840	840	780	730	670	590	500	/	/	/	/	/	/	/	/
XVF16-PB-G (48V560AH) Q (kg)	C=600mm	1600	1600	1600	1600	1600	1600	1550	1550	1450	1350	1250	1150	1000	950	800	/	/	/	/	/	/
	C=700mm	1420	1420	1420	1420	1420	1420	1370	1370	1280	1200	1100	1010	880	840	700	/	/	/	/	/	/
	C=800mm	1250	1250	1250	1250	1250	1250	1210	1210	1130	1050	970	900	780	740	620	/	/	/	/	/	/
	C=900mm	1040	1040	1040	1040	1040	1040	1000	1000	940	870	810	740	650	610	520	/	/	/	/	/	/
	C=1000mm	900	900	900	900	900	900	870	870	810	760	700	640	560	530	450	/	/	/	/	/	/
XVF20-PB-S (48V560AH) Q (kg)	C=600mm	1900 _[1]	1850	1800	1750	1700	1700	1600	1550	1450	1350	1250	/	/	/	/	/	/	/	/	/	/
	C=700mm	1690	1640	1600	1550	1510	1510	1420	1370	1280	1200	1100	/	/	/	/	/	/	/	/	/	/
	C=800mm	1490	1450	1410	1370	1330	1330	1250	1210	1130	1050	970	/	/	/	/	/	/	/	/	/	/
	C=900mm	1240	1210	1180	1140	1110	1110	1050	1000	940	870	810	/	/	/	/	/	/	/	/	/	/
	C=1000mm	1070	1050	1020	990	960	960	900	870	810	760	700	/	/	/	/	/	/	/	/	/	/
XVF20-PB-C (48V560AH) Q (kg)	C=600mm	2000	1950	1900	1850	1800	1750	1700	1700	1600	1500	1350	1200	1100	1050	900	800	750	700	650	600	
	C=700mm	1780	1730	1690	1640	1600	1550	1510	1510	1420	1330	1200	1060	970	930	800	710	660	620	570	530	
	C=800mm	1570	1530	1490	1450	1410	1370	1330	1330	1250	1170	1060	940	860	820	700	620	580	550	510	470	
	C=900mm	1310	1270	1240	1210	1180	1140	1110	1110	1050	980	880	780	720	680	590	520	490	450	420	390	
	C=1000mm	1130	1100	1070	1050	1020	990	960	960	900	850	760	680	620	590	510	450	420	390	360	340	
XVF20-PB-G (48V700AH) Q (kg)	C=600mm	2000	2000	2000	2000	1950	1850	1800	1800	1650	1600	1450	1350	1300	1200	1100	1050	1000	950	850	800	
	C=700mm	1780	1780	1780	1780	1730	1640	1600	1600	1460	1420	1280	1200	1150	1060	970	930	890	840	750	710	
	C=800mm	1570	1570	1570	1570	1530	1450	1410	1410	1290	1250	1130	1050	1020	940	860	820	780	740	660	620	
	C=900mm	1310	1310	1310	1310	1270	1210	1180	1180	1080	1050	950	880	850	780	720	680	650	620	550	520	
	C=1000mm	1130	1130	1130	1130	1100	1050	1020	1020	930	900	820	760	730	680	620	590	560	530	480	450	

Mast parameters

Three-stage full free mast		XVF16-PB-S/XVF20-PB-S: 4600-8500mm; XVF16-PB-C: 4600-9500mm; XVF16-PB-G: 4600-10500mm; XVF20-PB-C/XVF20-PB-G: 4600-12500mm;													
Lifting height	h ₃ (mm)	4600	4800	5400	5700	6000	6300	6500	6750	7000	7150	7500	8000	8500	9000
Maximum mast height during operations (including backrest)	h ₄ (mm) ^{Note[1]}	5835	6035	6635	6935	7235	7535	7735	7985	8235	8385	8735	9235	9735	10235
Closed mast height	h ₁ (mm)	2253	2320	2520	2620	2720	2820	2887	3070	3153	3203	3319	3486	3653	3920
Free lifting height including backrest	h ₂ (mm)	978	1045	1245	1345	1445	1545	1612	1795	1878	1928	2044	2211	2378	2645
Free lifting height no backrest	h ₂ (mm)	1108	1176	1376	1476	1576	1676	1744	1926	2008	2058	2172	2340	2508	2876

Three-stage full free mast		XVF16-PB-C: 4600-9500mm; XVF16-PB-G: 4600-10500mm; XVF20-PB-C/XVF20-PB-G: 4600-12500mm;							
Lifting height	h ₃ (mm)	9500	10000	10500	10800	11000	11500	12000	12500
Maximum mast height during operations (including backrest)	h ₄ (mm) ^{Note[1]}	10735	11235	11735	12035	12235	12735	13235	13735
Closed mast height	h ₁ (mm)	4086	4253	4420	4520	4586	4753	4920	5086
Free lifting height including backrest	h ₂ (mm)	2811	2978	3145	3245	3311	3478	3645	3811
Free lifting height no backrest	h ₂ (mm)	3040	3208	3376	3476	3540	3708	3876	4040

Note [1]: The maximum height of the mast when lifting includes the size of the retaining shelf, when the standard retaining shelf is not included, 378mm shall be subtracted;



WAREHOUSE FORKLIFT



Product parameters

Characteristics	1.1	Manufacturer		XCMG	
	1.2	Model		XVF16-PB-S	XVF20-PB-S
	1.3	Power type		Battery	Battery
	1.4	Driving mode		Car-type	Car-type
	1.4.1	Operating type		multi-valve	multi-valve
	1.5	Rated load capacity	Q(kg)	1600	2000
	1.6	Load center distance	C(mm)	600	600
	1.8	Fork face to front wheel center distance	x(mm)	371 ^[3]	407 ^[3]
	1.8.1	Front overhang	x1(mm)	184	205
Weights	1.9	Wheelbase	y(mm)	1400	1500
	2.1	Dead weight (including battery)	kg	3700	4131
	2.3	Axle load when unloaded, fork retraction, drive side/load-bearing side	kg	2309/1391	2446/1510
	2.4	Axle load when fully loaded, fork forward, drive side/load-bearing side	kg	799/4501	730/5226
	2.5	When fully loaded, axle load, fork retract, drive side/load-bearing side	kg	2042/3258	2196/3761
Wheels	3.1	Tyre material Drive wheel/support wheel		Solid PU/Solid PU	Solid PU/Solid PU
	3.2	Wheel size, load-carrying end	mm	φ300×120	φ343×120
	3.3	Wheel size, drive end	mm	φ343×120	φ343×120
	3.5	Number of wheels, front/rear (x = drive wheels)		2/ 1X	2/ 1X
Basic dimensions	3.7	Wheel tread, load-carrying	b11(mm)	1170	1170
	4.1	Fork tilt range, front/rear	α/β(°)	2/4	2/4
	4.2	Closed mast height	h1(mm)	2253	2253
	4.3	Free lifting height	h2(mm)	978 ^[1]	978 ^[1]
	4.4	Lifting height	h3(mm)	4600	4600
	4.5	Maximum mast height during operations(including load backrest)	h(mm)	5835 ^[2]	5835 ^[2]
	4.7	Overhead guard height	h6(mm)	2200	2200
	4.8	Seat height	h7(mm)	1122	1122
	4.9	Sideshift stroke		± 50	± 50
	4.10	Support height	h8(mm)	320	363
	4.19	Overall length	l1(mm)	2354 ^[3]	2409 ^[3]
	4.20	Length to fork vertical face	l2(mm)	1275 ^[3]	1339 ^[3]
	4.21	Overall width	b1/b2(mm)	1270/1290	1270/1290
	4.22	Fork size	l/e/s(mm)	1070×100×35	1070×122×40
	4.24	Load backrest width	b3(mm)	1020	1024
	4.25	Fork outer spacing	b5(mm)	232-728	254-750
	4.26	Inner leg spacing	b4(mm)	906	906
	4.28	Reach distance	l4(mm)	555 ^[3]	613 ^[3]
	4.31	Mast ground clearance	m1(mm)	75	75
	4.34.1	Right-angle stacking aisle width Pallet 1000×1,200	Ast(mm)	2716 ^[3]	2791 ^[3]
	4.34.2	Right-angle stacking aisle width Pallet 800 ×1,200	Ast(mm)	2767 ^[3]	2835 ^[3]
	4.35	Turning radius	Wa(mm)	1647	1747
	4.37	Overall length (no Fork)	l7(mm)	1796	1918
Performances	5.1	Traveling speed, full-load/no-load	km/h	14/14	14/14
	5.2	Lsifting speed, Full-load/no-load	mm/s	330/500	300/500
	5.3	Lowering speed, full-load/no-load	mm/s	330/380	330/380
	5.4	Mast moving speed, forward/retract	mm/s	150	150
	5.8	Maximum gradeability, full-load/no-load	%(tanθ)	10	10
	5.10	Service brake		hydraulic pressure	hydraulic pressure
Motor	6.1	Drive motor power S2 60min	kw	8.0	8.0
	6.2	Lifting motor power S3 15%	kw	12.8	12.8
	6.3	Steering motor power(S2-60min)	kw	0.4	0.4
	6.4	Battery voltage, rated capacity K5	V/Ah	48/420 ^[3]	48/560 ^[3]
	6.5	Battery (optional lithium battery), voltage / rated capacity	V/Ah	48/300 ^[3]	48/460 ^[3]
	6.6	Battery weight	kg	715 ^[3]	920 ^[3]
Other	7.1	Battery replacement method		Pull-forward	Pull-forward
	8.4	Noise	dB(A)	75	75

[1]: The free lifting height increases when there is no block shelf;
[2]: the maximum lifting height is reduced by 378mm when the unblocked shelf;
[3]: XVF16-PB-S optional 48V560AH lead-acid / 48V460AH lithium battery, XVF20-PB-S optional 48V700AH lead-acid / 48V600AH lithium battery when the relevant parameters are the same as XVF16-PB-G / XVF20-PB-G.

Product parameters

Characteristics	1.1	Manufacturer		XCMG			
	1.2	Model		XVF16-PB-C	XVF20-PB-C	XVF16-PB-G	XVF20-PB-G
	1.3	Power type		Battery	Battery	Battery	Battery
	1.4	Driving mode		Car-type	Car-type	Car-type	Car-type
	1.5	Rated load capacity	Q(kg)	1600	2000	1600	2000
	1.6	Load center distance	C(mm)	600	600	600	600
	1.8	Fork face to front wheel center distance	x(mm)	364	407	307	335
	1.8.1	Front overhang	x1(mm)	186	205	186	205
	1.9	Wheelbase	y(mm)	1400	1500	1400	1500
Weights	2.1	Dead weight (including battery)	kg	3700	4131	4120	4346
	2.3	Axle load when unloaded, fork retraction, drive side/load-bearing side	kg	2309/1391	2446/1510	2453/1467	2552/1794
	2.4	Axle load when fully loaded, fork forward, drive side/load-bearing side	kg	799/4501	730/5226	931/4789	833/5513
	2.5	When fully loaded, axle load, fork retract, drive side/load-bearing side	kg	2042/3258	2196/3761	2020/3600	2205/4141
	3.1	Tyre material Drive wheel/support wheel		Solid PU/Solid PU	Solid PU/Solid PU	Solid PU/Solid PU	Solid PU/Solid PU
Wheels	3.2	Wheel size, load-carrying end	mm	φ300×120 ^[1]	φ343×120 ^[1]	φ300×120 ^[1]	φ343×120 ^[1]
	3.3	Wheel size, drive end	mm	φ343×120	φ343×120	φ343×120	φ343×120
	3.5	Number of wheels, front/rear (x = drive wheels)		2/ 1X	2/ 1X	2/ 1X	2/ 1X
	3.7	Wheel tread, load-carrying	b11(mm)	1170 ^[1]	1170 ^[1]	1170 ^[1]	1170 ^[1]
Basic dimensions	4.1	Fork tilt range, front/rear	α/β(°)	2/4	2/4	2/4	2/4
	4.2	Closed mast height	h1(mm)	2253	2253	2820	2820
	4.3	Free lifting height	h2(mm)	1013 ^[2]	1013 ^[2]	1580 ^[2]	1580 ^[2]
	4.4	Lifting height	h3(mm)	4600	4600	6300	6300
	4.5	Maximum mast height during operations(including load backrest)	h(mm)	5800 ^[3]	5800 ^[3]	7500 ^[3]	7500 ^[3]
	4.7	Overhead guard height	h6(mm)	2200	2200	2200	2200
	4.8	Seat height	h7(mm)	1122	1122	1122	1122
	4.9	Sideshift stroke		± 50	± 50	± 50	± 50
	4.10	Support height	h8(mm)	320	363	320	363
	4.19	Overall length	l1(mm)	2354	2410	2411	2482
	4.20	Length to fork vertical face	l2(mm)	1283	1340	1340	1412
	4.21	Overall width	b1/b2(mm)	1270/1290 ^[1]	1270/1290 ^[1]	1270/1290 ^[1]	1270/1290 ^[1]
	4.22	Fork size	l/e/s(mm)	1070×100×35	1070×122×40	1070×100×35	1070×122×40
	4.24	Load backrest width	b3(mm)	1024	1024	1024	1024
	4.25	Fork outer spacing	b5(mm)	232-728	232-728	232-728	232-728
	4.26	Inner leg spacing	b4(mm)	890	890	890	890
	4.28	Reach distance	l4(mm)	550	612	493	540
	4.31	Mast ground clearance	m1(mm)	75	75	75	75
	4.34.1	Right-angle stacking aisle width Pallet 1000×1,200	Ast(mm)	2721	2791	2764	2843
	4.34.2	Right-angle stacking aisle width Pallet 800 ×1,200	Ast(mm)	2774	2835	2825	2900
	4.35	Turning radius	Wa(mm)	1647	1747	1647	1747
	4.37	Overall length (no Fork)	l7(mm)	1799	1918	1799	1918
Performances	5.1	Traveling speed, full-load/no-load	km/h	14/14	14/14	14/14	14/14
	5.2	Lsifting speed, Full-load/no-load	mm/s	380/550	340/550	380/550	340/550
	5.3	Lowering speed, full-load/no-load	mm/s	500/500	500/500	500/500	500/500
	5.4	Mast moving speed, forward/retract	mm/s	200	200	200	200
	5.8	Maximum gradeability, full-load/no-load	%(tanθ)	10	10	10	10
	5.10	Service brake		hydraulic pressure	hydraulic pressure	hydraulic pressure	hydraulic pressure
Motor	6.1	Drive motor power S2 60min	kw	8.0	8.0	8.0	8.0
	6.2	Lifting motor power S3 15%	kw	14	14	14	14
	6.3	Steering motor power(S2-60min)	kw	0.4	0.4	0.4	0.4
	6.4	Battery voltage, rated capacity K5	V/Ah	48/420	48/560	48/560	48/700
	6.5	Battery (optional lithium battery), voltage / rated capacity	V/Ah	48/300	48/460	48/300	48/460
	6.6	Battery weight	kg	715	920	715	920
Other	7.1	Battery replacement method		Pull-forward	Pull-forward	Pull-forward	Pull-forward
	8.4	Noise	dB(A)	68	68	68	68

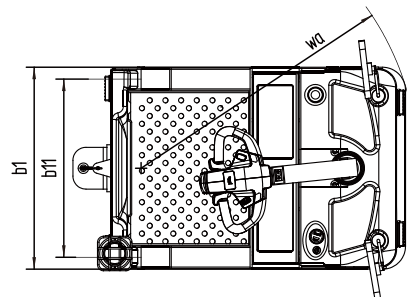
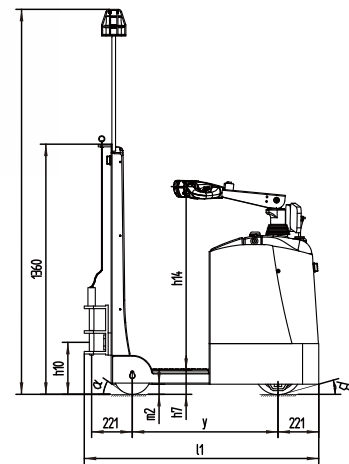
With the advancement of technology, the product structure, parameters, etc. will be continuously improved without prior notice.
If there is a slight discrepancy between the sample information and the actual product, the actual product shall prevail.
[1]: when the electromagnetic brake is configured tire width of 115mm, the wheel base is 1155mm, the body width is 1270mm;
[2]: the free lifting height increases when the unblocked shelf;
[3]: the maximum lifting height is reduced by 348mm when the unblocked shelf.

XVT20/30/50-PSR-C Stand-on tow tractor



Product features

- Self-resetting tiller design, equipped with pedal shock absorption function, simple and comfortable operation;
- Equipped with driver sensor switch and fine-tuning opening to make the operation safer and more accurate;
- The specially designed back-pull battery replacement method can meet the two replacement methods of side pull and hoisting at the same time;
- Ergonomic adjustable chair to meet the needs of people of different heights.



Product parameters

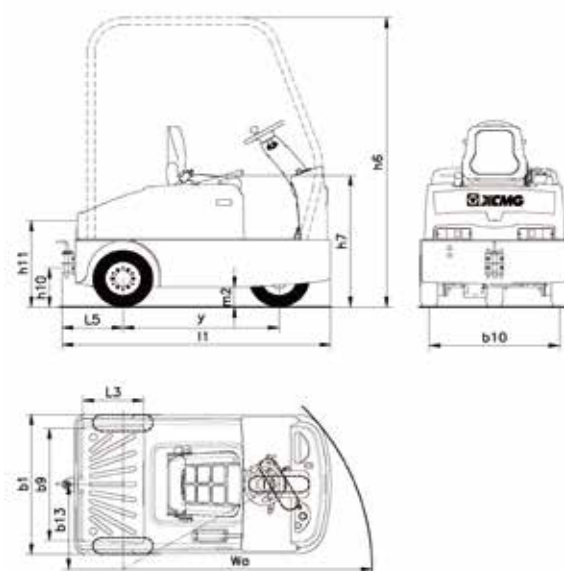
Characteristics	Item	Unit	XCMG		
			XVT20-PSR-C	XVT30-PSR-C	XVT50-PSR-C
1.1	Manufacturer		XCMG		
1.2	Model		XVT20-PSR-C	XVT30-PSR-C	XVT50-PSR-C
1.3	Power system		Electric		
1.4	Driving mode (Manual, walkie, stand-on, sit-on, and order picking)		Stand-on type		
1.5	Rated towing weight	Q kg	2000	3000	5000
1.6	Rated traction	F N	400	600	1000
1.8	Wheelbase	L1 mm	1085		
Weights	2.1	Weight (including battery)	kg	905	1040
	2.2	No-load axle load Front/rear	kg	--/--	--/--
Wheels	3.1	Tires material		polyurethane tires	
	3.2	Tire size: Drive wheels		Φ230×75	Φ254×100
	3.3	Tire size: load-bearing wheels		Φ210×85	
	3.4	Tire size: Balance wheels		/	
	3.5	Number of wheels: drive wheels/load-bearing wheels (X = drive wheels)		1×/2	
Basic dimensions	4.1	Wheel tread, drive end	mm	/	
	4.2	Wheel tread, load-carrying end	C mm	719	
	4.3	Height with handle in drive position max/min	h6 mm	1289	
	4.4	Body length	L mm	1421	
	4.5	Body width	B mm	822	
	4.6	Minimum ground clearance	m mm	60	
	4.7	Minimum turning radius	Wa mm	1288	
	4.8	Towing hitch height	N1 mm	170-400	
Performances	5.1	Travel speed (forward), laden/unladen	km/h	7/10	7/10
	5.2	Travel speed (reverse), unloaded	km/h	8	
	5.3	Maximum gradeability, full-load/no-load	%	6/15	
	5.4	Service brake		Electromagnetic brake	
Motor	6.1	Drive motor power, S2: 60min	kw	2.2	2.2
	6.2	Battery type, DIN43531/35/36 A,B,C,NO		B 3PZS	
	6.3	Battery voltage/capacity (5h discharge capacity)	V/Ah	24/210	24/270
	6.4	Battery weight	kg	210	253
Other	7.1	Electronic controller	A	210	260
	7.2	Charger	V/Ah	24/40	
	7.3	Drive control mode		Speed feedback	
	7.4	Driver's parotic noise level, According EN12053	dB(A)	≤70	

XVT40/60-PB-C Sit-on tow tractor



Product features

- The maintenance-free AC drive system reduces maintenance costs, and the high-efficiency and optimally matched AC power system extends the working time after a single charge.
- The integrated cover makes it easy to maintain electrical components such as batteries, motors, and controllers.
- The CURTIS AC control system is standard and provides efficient and precise adjustment performance and a variety of regenerative functions.
- The American AMP waterproof and dustproof plug-in gives reliable protection to the line and greatly reduces the failure of electrical appliances.
- The electric button at the rear of the car makes it more convenient and fast for the operator to hang up the goods and improve.



Product parameters

Characteristics			XVT40-PB-C	XVT60-PB-C
			Electric	
Weights			Car-type	
Wheels				
Basic dimensions				
Performances				
Motor				
Other				
Model			XVT40-PB-C	XVT60-PB-C
Power system			Electric	
Driving mode			Car-type	
Rated traction force	F	N	800	1200
Wheelbase	y	mm	1040	
Weight (including battery)		kg	920	1000
Axle load at full load: front/rear		kg	/	
Axle load at emptyload: front/rear		kg	635/555	410/590
Tire type: front/rear			Solid/inflatable rubber	
Tire size: Front		mm	4.00-8	
Tire size: Rear		mm	4.00-8/6PR	
Number of wheels: Front/Rear (X drive wheels)			1/2X	
Wheel tread (Rear)	b10	mm	870	
Wheel tread (Front)	b11	mm	0	
Overhead guard height(including canopy)	h6	mm	2045	
Seat height	h7	mm	895	
The height of the center of the hook from the ground	h10	mm	210275/340/405	
Ground clearance of the cargo platform (empty load)	h11	mm	610	
Pallet platform length	l3	mm	790	
Rear overhang	l5	mm	405	
Pallet platform width	b9	mm	390	
Overall length	l1	mm	1790	
Overall width	b1	mm	990	
Ground clearance	m2	mm	140	
Turning radius	Wa	mm	1650	
Inner turning radius	b13	mm	600	
Traveling speed, full-load/no-load	h6	km/h	8/14	7/17
Traction (S2-5 mins)	Ast	N	3800	4500
Maximum gradeability, full-load/no-load(S2-5min)	Ast	%	Search in ramp-up graph	
Service brake	Wa		Hydraulic braking, regenerative braking	
Drive motor power S2 60min		kW	3	4.5
Battery voltage, rated capacity		V/Ah	24/490	48/280
Battery weight		kg	390	475
Steering system			Electronic power steering	
Driver's parotic noise level		dB(A)	66	

Note: The above table is standard model data, which will vary according to different configurations, and the upgrade and optimization of models will also lead to local structure and partial size changes.



The Pillars of a Great Power

Founded in 1989, XCMG is a large-scale enterprise group in China's construction machinery industry, with complete product varieties and series, unique competitiveness and influence, ranking third in the world's construction machinery industry, with unique value creativity.

XCMG forklift is one of the key industrial sectors of XCMG's 14th Five-Year Plan, committed to the research and development, production, marketing, service and operation of new energy forklifts, telescopic forklifts, and various forms of automated material handling equipment and systems, providing high-end, green, and complete sets of intelligent logistics solutions for global customers.

In the domestic market, XCMG Forklift deeply understands customer needs, continues to launch high-quality customized solutions, continuously accumulates customer base, and strives to build an "industry-first" forklift brand. In the international market, XCMG forklift focuses on quality, resolutely promotes the main strategy of internationalization, broadens channels, deeply cultivates the system, and competes with international first-line brands to form a unique market competitiveness.

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