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KOREX FORKLIFT

ELECTRIC SERIES

1.5T | 1.6T | 1.8T | 2T | 2.5T | 3T | 3.5T KOREX ELECTRIC FORKLIFT SERIES



 ELECTRIC

 BATTERY



ELECTRIC FORKLIFT

ADVANTAGES

SAFETY AND STABILITY

- The most popular H type driving axle optimizes the structure layout and improves the efficiency.
- Multifunctional display with using time, fault code, battery status, forklift running information.
- AC driving motor without brush, free of maintenance; low electric current, silent driving.
- Low gravity center thanks to relocated battery, greatly reinforcing steering stability.

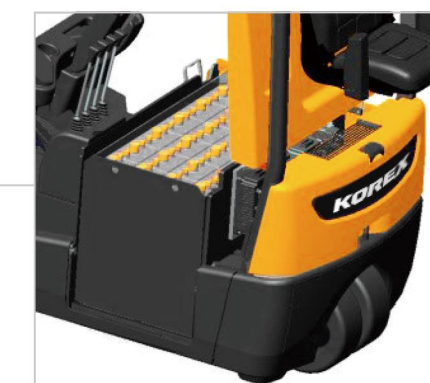
SERVICE ABILITY

- Easy maintained controller and steering potentiometer.
- Braking oil cup installed on the instrument panel, convenient to check and add braking oil.
- Brushless lifting and driving motor, reduced cost of ownership; external encoder, easy to replace and service.



ELECTRIC FORKLIFT

CORE COMPONENTS



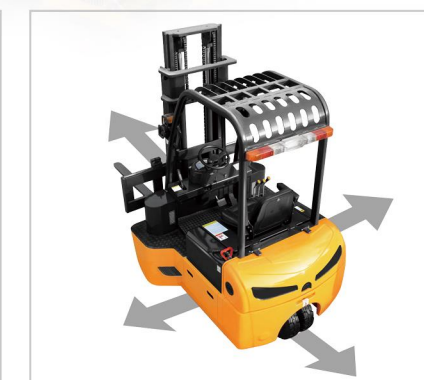
■ SIDE WAY BATTERY BOX

Side way battery box is easy to change battery. It is safety and convenient.



■ LOW GRAVITY DESIGN

Low gravity center thanks to relocated battery, greatly reinforcing steering stability.



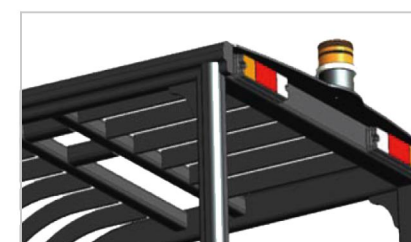
■ ADOPT DUAL MOTOR DRIVE

The dual motor drive and steering system allows front, rear and side operation.



■ WET DISC BRAKE

Wet disk brake can make the forklift break stably, ensures high durability and safety.



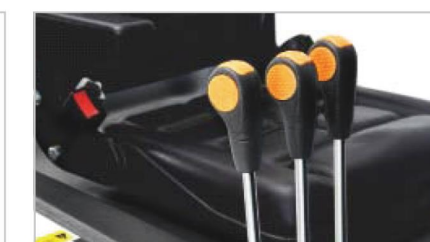
■ FULL LED LIGHT

With multi-function LED display with BID can be programmed.



■ MORE PRODUCTIVE&COMFORTABLE

The standing platform complies with ergonomic design to make work more comfortable.



■ HYDRAULIC OPERATION HANDLE

The operator can adjust the lift and lower speed by control handle.

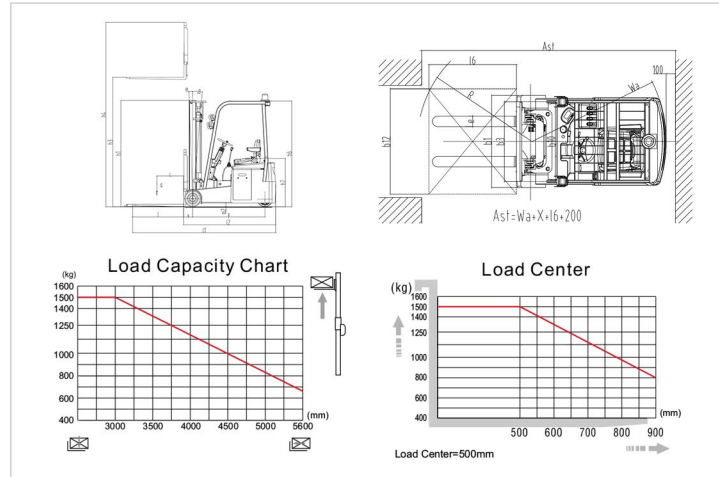
ELECTRIC FORKLIFT

KOREX ELECTRIC FORKLIFT SERIES | 1.5T

■ PRODUCT



■ EXTERIOR DRAWING



■ SPECIFICATION

1.5T SEATED TYPE I REAR WHEEL

Model	Unit	KFX15E-RW
Drive	~	Rear Wheel Drive
Operation type	~	Seated
Capacity/rated load	Q(kg)	1,500
Load center distance	c(mm)	500
Load distance, center of drive axle to fork	x(mm)	170
Wheelbase	y(mm)	1,348
Axle loading, laden front/rear	kg	3,280/710
Axle loading, unladen front/rear(with max battery)	kg	975/1,525
Tyre size, front(super elastic solid tires)	~	305x140
Tyre size, rear(super elastic solid tires)	~	285x160
Wheels, number front/rear(x=driven wheels)	~	2
Tread, front	b10(mm)	912
Tilt of mast/fork carriage forward/backward	a/b(°)	2/5
Height, mast lowered	h1(mm)	1,980(3m)
Free lift	h2(mm)	option
Lift height	h3(mm)	2,500~5,600
Height, mast extended	h4(mm)	3,500~6,600
Overall width	b1(mm)	1,055
Fork thickness	s(mm)	35
Fork width	e(mm)	100
Fork length	l(mm)	950(1,070)
Fork carriage din 1573, class/type A,B	~	A
Fork carriage width	b3(mm)	680
Ground clearance, laden, below mast	m1(mm)	68
Ground clearance, center of wheelbase	m2(mm)	68
Aisle width for pallets 1000x1200 cross ways	Ast(mm)	3,050
Aisle width for pallets 800x1200 length ways	Ast(mm)	3,150
Turning radius	Wa(mm)	1,550
Travel speed, laden/unladen	km/h	6.8/7
Lift speed, laden/unladen	mm/s	100/150
Climbing capacity, laden/unladen	%	10/10
System pressure	bar	140
Battery voltage	V	24
Battery capacity	Ah	320(400)
Battery weight	kg	300
Sound level at the driver's ear acc.to din 12053	Db(A)	68
Service weight (without battery)	Kg	2,500

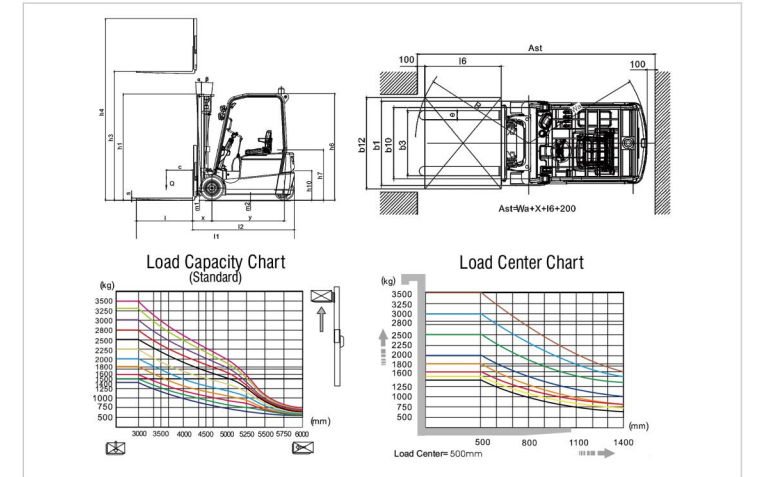
ELECTRIC FORKLIFT

KOREX ELECTRIC FORKLIFT SERIES 1.6T | 1.8T | 2T

■ PRODUCT



■ EXTERIOR DRAWING



■ SPECIFICATION

1.6~20T SEATED TYPE I DUAL FRONT WHEEL

Model	Unit	KFX16E-DW	KFX18E-DW	KFX20E-DW
Drive	-	Dual Front Drive Wheel		
Operation type	-	Seated	Seated	Seated
Capacity/rated load	Q(kg)	1,600	1,800	2,000
Load center distance	c(mm)	500	500	500
Load distance, center of drive axle to fork	x(mm)	358	358	358
Wheelbase	y(mm)	1,362	1,362	1,465
Axle loading, laden front/rear	kg	3,955/865	4,166/914	4,469/981
Axle loading, unladen front/rear(with max battery)	kg	1,425/1,795	1,455/1,826	1,625/1,997
Tyre size, front(super elastic solid tires)	-	18x7-8	200/50-10	200/50-10
Tyre size, rear(super elastic solid tires)	-	15x4½-8	15x4½-8	140/55-9
Wheels, number front/rear(x=driven wheels)	-	2x/2	2x/2	2x/2
Tread, front	b10(mm)	920	937	937
Tread, rear	b11(mm)	165	165	188
Tilt of mast/fork carriage forward/backward	a/b(°)	3/6	3/6	3/6
Height, mast lowered	h1(mm)	2,000~2,660	2,000~2,660	2,000~2,660
Free lift	h2(mm)	option	option	option
Lift height	h3(mm)	3,000~6,200	3,000~6,200	3,000~6,200
Height, mast extended	h4(mm)	4,050~7,250	4,050~7,250	4,050~7,250
Overall width	b1(mm)	1,070	1,130	1,130
Height of overhead guard(cabin)	h6(mm)	2,005	2,005	2,005
Seat height/stand height	h7(mm)	938	938	938
Coupling height	h10(mm)	560	560	560
Fork thickness	s(mm)	30	40	40
Fork width	e(mm)	100	100	120
Fork length	l(mm)	950	1,070	1,070
Fork carriage din 1573, class/type A,B	-	2A	2A	2A
Fork-carriage width	b3(mm)	1,088	1,088	1,088
Ground clearance, laden, below mast	m1(mm)	90	90	90
Ground clearance, center of wheelbase	m2(mm)	100	100	100
Aisle width for pallets 1000x1200 cross ways	Ast(mm)	3,120	3,120	3,200
Aisle width for pallets 800x1200 length ways	Ast(mm)	3,220	3,220	3,300
Turning radius	Wa(mm)	1,552	1,552	1,652
Travel speed, laden/unladen	km/h	14/14	14/14	13/13
Lift speed, laden/unladen	mm/s	290/450	270/420	250/420
Climbing capacity, laden/unladen	%	15/20	15/20	15/20
Battery voltage	V	48	48	48
Battery capacity	Ah	420(490)	490(560)	560(640)
Sound level at the driver's ear acc.to din 12053	Db(A)	68	68	68
Service weight (without battery)	Kg	3,220	3,280	3,450
Lowering speed, laden/unladen	mm/s	<600	<600	<600

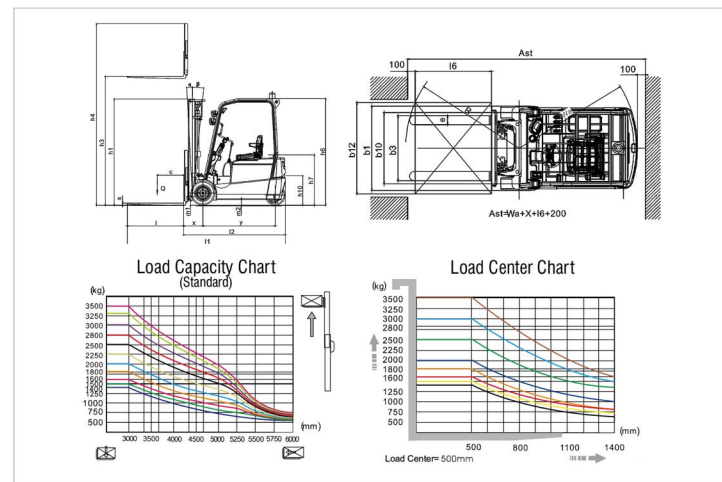
ELECTRIC FORKLIFT

KOREX ELECTRIC FORKLIFT SERIES 1.6T | 1.8T

■ PRODUCT



■ EXTERIOR DRAWING



1.6~1.8T STAND UP TYPE

■ SPECIFICATION

Model	Unit	KFX16E-S	KFX18E-S
Operation type	-	Stand-up	Stand-up
Capacity/rated load	Q(kg)	1,600	1,800
Load center distance	c(mm)	600	600
Load distance, center of drive axle to fork	x(mm)	300	300
Wheelbase	y(mm)	1,200	1,260
Tyre size, front(super elastic solid tires)	-	16x7x10.5	16x7x10.5
Tyre size, rear(super elastic solid tires)	-	10x5x6.5	10x5x6.5
Wheels, number front/rear(x=driven wheels)	-	2/2	2/2
Tread, front	b10(mm)	896	896
Tread, rear	b11(mm)	176	176
Tilt of mast/fork carriage forward/backward	a/b(°)	5/5	5/5
Height, mast lowered	h1(mm)	2,000~2,595	2,000~2,595
Free lift	h2(mm)	option	option
Lift height	h3(mm)	3,000~6,000/118~236	3,000~6,000/118~236
Height, mast extended	h4(mm)	4,050~7,050	4,050~7,050
Overall width	b1(mm)	1,075	1,075
Fork thickness	s(mm)	40	40
Fork width	e(mm)	100	100
Fork length	l(mm)	920(1,070)	920(1,070)
Fork-carriage width	b3(mm)	1,000	1,000
Bottom of mast height,laden	m1(mm)	70	70
Truck body height off the ground	m2(mm)	90	90
Aisle width for pallets 1000x1200 cross ways	Ast(mm)	3,060	3,120
Aisle width for pallets 800x1200 length ways	Ast(mm)	3,160	3,220
Turning radius	Wa(mm)	1,440	1,500
Travel speed, laden/unladen	km/h	9/9.5	9/9.5
Climbing capacity, laden/unladen	%	10/15	10/15
System pressure	bar	150	160
Battery voltage	V	36	36
Battery capacity	Ah	800	900
Battery weight	kg	920-980	1,100-1,160
Service weight (without battery)	Kg	3,060	3,120
Brake	-	Electric	Electric
Travel control	-	AC	AC

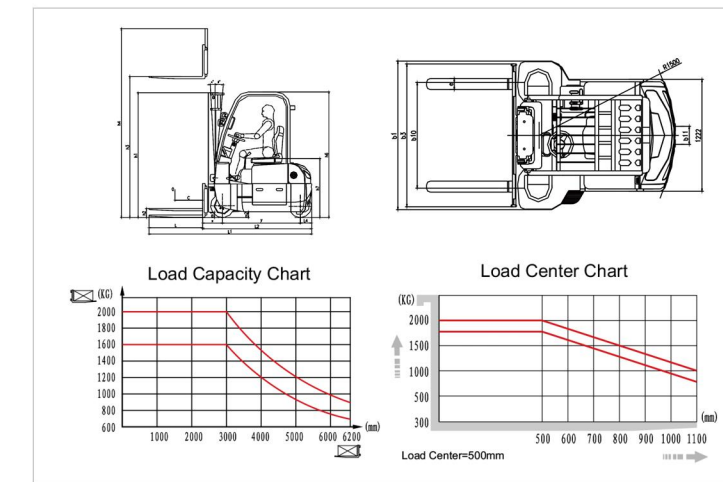
ELECTRIC FORKLIFT

KOREX ELECTRIC FORKLIFT SERIES | 1.6T | 2T

■ PRODUCT



■ EXTERIOR DRAWING



1.6~2T SEATED TYPE | ELECTRIC

■ SPECIFICATION

Model	Unit	KFX16E	KFX20E
Drive	-	Electric	Electric
Operation type	-	Seated	Seated
Capacity/rated load	Q(kg)	1,600	2,000
Load center distance	c(mm)	500	500
Wheelbase	y(mm)	1,300	1,300
Tyre size, front(super elastic solid tires)	-	φ406x152	φ406x152
Tyre size, rear(super elastic solid tires)	-	15x4½-8	15x4½-8
Tread, front	b10(mm)	1,133	1,133
Tilt of mast/fork carriage forward/backward	a/b(°)	3/5	3/5
Height, mast lowered	h1(mm)	2,090	2,090
Lift height	h3(mm)	3,000/3,500/4,000/4,500/5,000/6,200	3,000/3,500/4,000/4,500/5,000/6,200
Height, mast extended	h4(mm)	3,800/4,300/4,800/5,300/5,800/7,000	3,800/4,300/4,800/5,300/5,800/7,000
Overall width	b1(mm)	1,622	1,622
Overall length	l1(mm)	2,890	2,940
Fork thickness	s(mm)	35	40
Fork width	e(mm)	100	120
Fork length	l(mm)	1,070	1,070
Fork-carriage width	b3(mm)	1,560	1,560
Distance between fork-arms	b11(mm)	240~1,360	240~1,360
Turning radius	Wa(mm)	1,500	1,540
Travel speed, laden/unladen	km/h	10	10
Lift speed, laden/unladen	mm/s	240	200
Climbing capacity, laden/unladen	%	10	10
Battery voltage	V	48	48
Battery capacity	Ah	490 (nominal capacity K5)	490 (nominal capacity K5)
Battery weight	kg	900	900
Sound level at the driver's ear acc.to din 12053	Db(A)	<63	<63
Service weight (without battery)	Kg	3,650	4,300
Shaking	m/s2	1.37	1.37

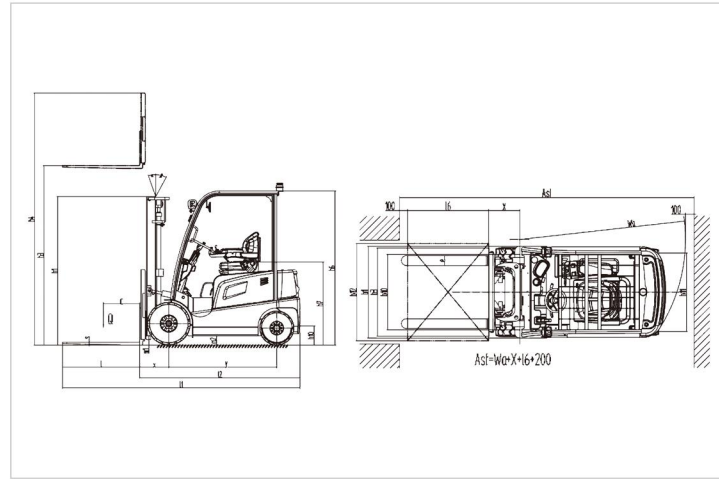
ELECTRIC FORKLIFT

KOREX ELECTRIC FORKLIFT SERIES | 1.6T | 2T | 2.5T

■ PRODUCT



■ EXTERIOR DRAWING



■ SPECIFICATION

1.6~2.5T SEATED TYPE | ELECTRIC

Model	Unit	KFX16E-R	KFX20E-R	KFX25E-R
Drive	-		Electric	
Operation type	-	Seated	Seated	Seated
Capacity/rated load	Q(kg)	1,600	2,000	2,500
Load center distance	c(mm)	500	500	500
Load distance, center of drive axle to fork	x(mm)	395	395	445
Wheelbase	y(mm)	1,360	1,480	1,480
Axle loading, laden front/rear	kg	3,870/730	4,815/685	5,857/793
Axle loading, unladen front/rear(with max battery)	kg	1,400/1,700	1,635/1,865	1,859/2,291
Tyre size, front(super elastic solid tires)	-	6.50-10	6.50-10	23X9-10
Tyre size, rear(super elastic solid tires)	-	5.00-8	5.00-8	18X7-8
Wheels, number front/rear(x=driven wheels)	-	2x/2	2x/2	2x/2
Tread, front	b10(mm)	930	930	970
Tread, rear	b11(mm)	920	920	970
Tilt of mast/fork carriage forward/backward	a/b(°)	5/10	5/10	5/10
Height, mast lowered	h1(mm)	2,015	2,015	2,050
Lift height	h3(mm)	3,000~6,500	3,000~6,500	3,000~6,500
Height, mast extended	h4(mm)	4,067	4,050	4,050
Overall width	b1(mm)	1,130	1,130	1,200
Overall length	l1(mm)	3,000	3,270	3,350
Height of overhead guard(cabin)	h6(mm)	2,100	2,100	2,100
Seat height/stand height	h7(mm)	1,040	1,040	1,040
Coupling height	h10(mm)	260	260	260
Fork thickness	s(mm)	35	40	40
Fork width	e(mm)	120	120	120
Fork length	l(mm)	920	1,070	1,070
Fork-carriage width	b3(mm)	1,088	1,088	1,160
Ground clearance, laden, below mast	m1(mm)	105	110	110
Ground clearance, center of wheelbase	m2(mm)	115	115	110
Aisle width for pallets 1000x1200 cross ways	Ast(mm)	3,500	3,600	3,700
Aisle width for pallets 800x1200 length ways	Ast(mm)	3,700	3,800	3,900
Turning radius	Wa(mm)	1,980	2,080	2,180
Travel speed, laden/unladen	km/h	12/13	12/13	12/13
Lift speed, laden/unladen	mm/s	0.26/0.35	0.28/0.32	0.26/0.3
Climbing capacity, laden/unladen	%	15/20	15/20	13/14
Battery voltage	V	48	48	48
Battery capacity	Ah	375 (nominal capacity K5)	450 (nominal capacity K5)	500 (nominal capacity K5)
Battery weight	kg	600/650/720	680/760/820/1,055	760/820/1,055
Sound level at the driver's ear acc.to din 12053	Db(A)	68	68	68
Service weight (without battery)	Kg	3,100	3,500	4,150
Lowering speed, laden/unladen	mm/s	0.36/0.42	0.36/0.42	0.36/0.42
Brake	-	Hydraulic	Hydraulic	Hydraulic

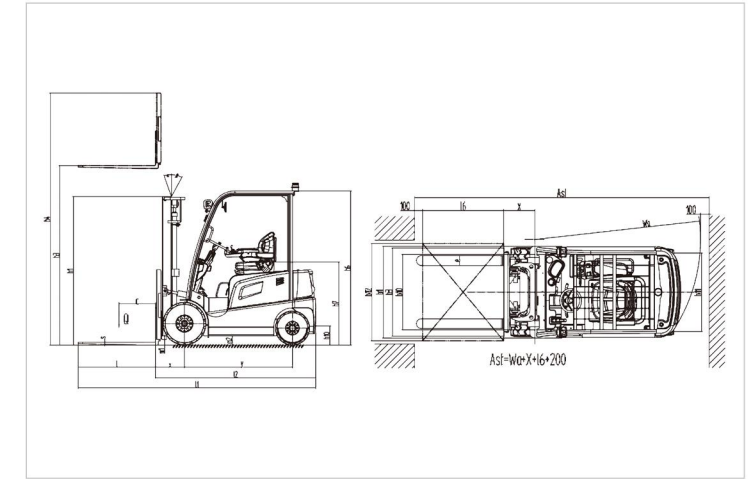
ELECTRIC FORKLIFT

KOREX ELECTRIC FORKLIFT SERIES | 3T | 3.5T

■ PRODUCT



■ EXTERIOR DRAWING



■ SPECIFICATION

3~3.5T SEATED TYPE | ELECTRIC

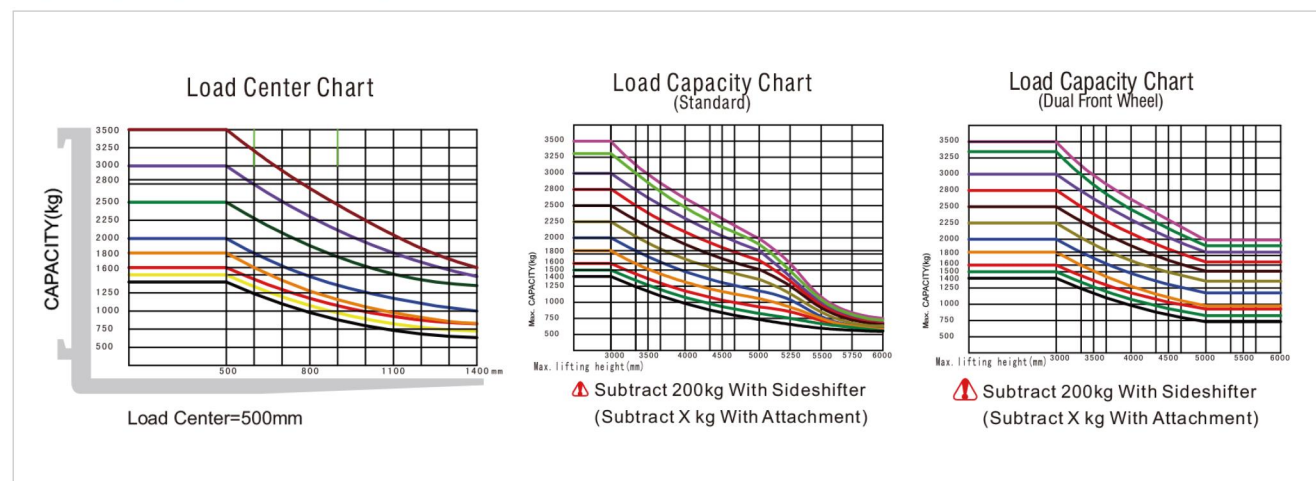
Model	Unit	KFX30E-R1	KFX30E-R2	KFX35E-R
Drive	-		Electric	
Operation type	-	Seated	Seated	Seated
Capacity/rated load	Q(kg)	3,000	3,000	3,500
Load center distance	c(mm)	500	500	500
Load distance, center of drive axle to fork	x(mm)	460	460	460
Wheelbase	y(mm)	1,640	1,640	1,640
Axle loading, laden front/rear	kg	6,650/850	6,950/850	7,870/830
Axle loading, unladen front/rear(with max battery)	kg	1,900/2,600	2,200/2,600	2,300/2,900
Tyre size, front(super elastic solid tires)	-	23X9-10	23X9-10	23X10-12
Tyre size, rear(super elastic solid tires)	-	18X7-8	18X7-8	200/50-10
Wheels, number front/rear(x=driven wheels)	-	2x/2	2x/2	2x/2
Tread, front	b10(mm)	1,040	1,040	1,040
Tread, rear	b11(mm)	950	950	950
Tilt of mast/fork carriage forward/backward	a/b(°)	5/10	5/10	5/10
Height, mast lowered	h1(mm)	2,100	2,100	2,100
Lift height	h3(mm)	3,000~6,500	3,000~6,500	3,000~6,500
Height, mast extended	h4(mm)	4,200	4,200	4,100
Overall width	b1(mm)	1,302	1,302	1,302
Overall length	l1(mm)	3,550	3,550	3,620
Height of overhead guard(cabin)	h6(mm)	2,160	2,160	2,160
Seat height/stand height	h7(mm)	1,070	1,070	1,070
Coupling height	h10(mm)	260	260	260
Fork thickness	s(mm)	45	45	50
Fork width	e(mm)	125	125	125
Fork length	l(mm)	1,070	1,070	1,070
Fork-carriage width	b3(mm)	1,100	1,100	1,150
Ground clearance, laden, below mast	m1(mm)	115	115	115
Ground clearance, center of wheelbase	m2(mm)	120	120	120
Aisle width for pallets 1000x1200 cross ways	Ast(mm)	3,900	3,900	3,960
Aisle width for pallets 800x1200 length ways	Ast(mm)	4,100	4,100	4,160
Turning radius	Wa(mm)	2,280	2,280	2,340
Travel speed, laden/unladen	km/h	10/11	12/13	12/13
Lift speed, laden/unladen	mm/s	0.20/0.35	0.25/0.35	0.21/0.35
Climbing capacity, laden/unladen	%	13/14	13/14	13/14
Battery voltage	V	48	80	80
Battery capacity	Ah	560 (nominal capacity K5)	400 (nominal capacity K5)	400 (nominal capacity K5)
Battery weight	kg	820/1,055	1,100/1,270/1,383	1,100/1,270/1,383
Sound level at the driver's ear acc.to din 12053	Db(A)	68	68	68
Service weight (without battery)	Kg	4,500	4,800	5,200
Lowering speed, laden/unladen	mm/s	0.4/0.40	0.4/0.40	0.4/0.40
Brake	-	Hydraulic	Hydraulic	Hydraulic

ELECTRIC FORKLIFT

KOREX ELECTRIC FORKLIFT SERIES | 1.6T | 2T | 2.5T | 3T | 3.5T

MEMO

EXTERIOR DRAWING



SPECIFICATION

1.6~3.5T SEATED TYPE I ELECTRIC

Model	Unit	KFX16E-R / KFX20E-R														
Type	-	2 stage mast wide view				2 stage mast with full free lifting			3 stage mast with full free lifting							
Fork Lifting Height(H3)	mm	3,000	3,300	3,500	4,000	3,000	3,300	3,500	4,000	4,500	4,800	5,000	5,600	6,000	6,200	
Lowered Height(H1)	mm	2,010	2,160	2,260	2,510	2,110	2,260	2,410	1,900	2,110	2,210	2,270	2,470	2,610	2,670	
Max.Height of Mast Extended(H4)	With backrest	mm	4,000	4,300	4,500	5,000	4,000	4,300	4,500	5,000	5,500	5,800	6,000	6,600	7,000	7,200
	Without backrest	mm	3,505	3,805	4,005	4,505	3,505	3,805	4,005	4,505	5,005	5,305	5,505	6,105	6,505	6,705
Free Lifting Height(H2)	With backrest	mm	0	0	0	0	1,095	1,245	1,395	890	1,100	1,200	1,260	1,460	1,600	1,660
	Without backrest	mm	0	0	0	0	1,595	1,745	1,895	1,385	1,595	1,695	1,755	1,955	2,095	2,155
Mast Tilt Degree	Forward	°	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Backward	°	10	10	10	10	10	10	10	10	6	6	6	6	6	6
Capacity	c=500mm	Kg(16)	1,600	1,430	1,350	1,180	1,600	1,430	1,350	1,180	820	770	730	600	550	450
	c=500mm	Kg(20)	2,000	1,820	1,700	1,480	2,000	1,820	1,700	1,480	1,300	1,220	1,170	720	600	500

Model	Unit	KFX25E-R														
Type	-	2 stage mast wide view				2 stage mast with full free lifting			3 stage mast with full free lifting							
Fork Lifting Height(H3)	mm	3,000	3,300	3,500	4,000	3,000	3,500	4,000	4,500	4,700	4,800	5,000	5,600	6,000	7,000	
Lowered Height(H1)	mm	2,050	2,200	2,300	2,600	2,160	2,460	2,660	2,160	2,205	2,240	2,310	2,525	2,710	3,140	
Max.Height of Mast Extended(H4)	With backrest	mm	4,050	4,350	4,550	5,050	4,050	4,550	5,050	5,560	5,750	5,850	6,050	6,620	7,060	8,010
	Without backrest	mm	3,555	3,855	4,055	4,555	3,555	4,055	4,555	5,170	5,310	5,410	5,620	6,265	6,720	7,670
Free Lifting Height(H2)	With backrest	mm	0	0	0	0	1,010	1,410	1,610	1,160	1,225	1,260	1,310	1,525	1,710	2,140
	Without backrest	mm	0	0	0	0	1,605	1,905	2,105	1,550	1,595	1,630	1,704	1,840	2,010	2,470
Mast Tilt Degree	Forward	°	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Backward	°	10	10	10	10	10	10	10	6	6	6	6	6	6	6
Capacity	c=500mm	Kg(20)	2,500	2,270	2,200	1,900	2,500	2,200	1,900	1,680	1,620	1,580	1,520	900	650	300

Model	Unit	KFX30E-R1 / KFX30E-R2 / KFX35E-R											
Type	-	2-stage mast wide view						3 stage mast with full free lifting					
Fork Lifting Height(H3)	mm	2,500	3,000	3,300	3,500	4,000	4,500	4,800	5,000	5,500	6,000	7,000	
Lowered Height(H1)	mm	1,825	2,075	2,225	2,325	2,580	2,175	2,245	2,325	2,440	2,680	3,145	
Max.Height of Mast Extended(H4)	With backrest	mm	3,725	4,225	4,525	4,725	5,225	5,725	6,025	6,225	6,725	7,225	8,225
	Without backrest	mm	3,110	3,610	3,910	4,110	4,610	5,110	5,410	5,610	6,110	6,610	7,610
Free Lifting Height(H2)	With backrest	mm	-	-	-	-	-	950	1,020	1,100	1,215	1,455	1,920
	Without backrest	mm	-	-	-	-	-	1,505	1,635	1,655	1,770	2,010	2,475
Mast Tilt Degree	Forward	°	5	5	5	5	5	5	5	5	3	3	
	Backward	°	10	10	10	10	10	6	6	6	6	6	
Capacity	c=500mm	Kg(30)	3,000	3,000	2,800	2,630	2,300	2,030	1,880	1,800	1,000	680	350
	c=500mm	Kg(35)	3,500	3,500	3,100	2,980	2,620	2,280	2,100	2,000	1,100	750	400