



# 4-Wheel Forklift

## 5,000lbs

## EFLA251



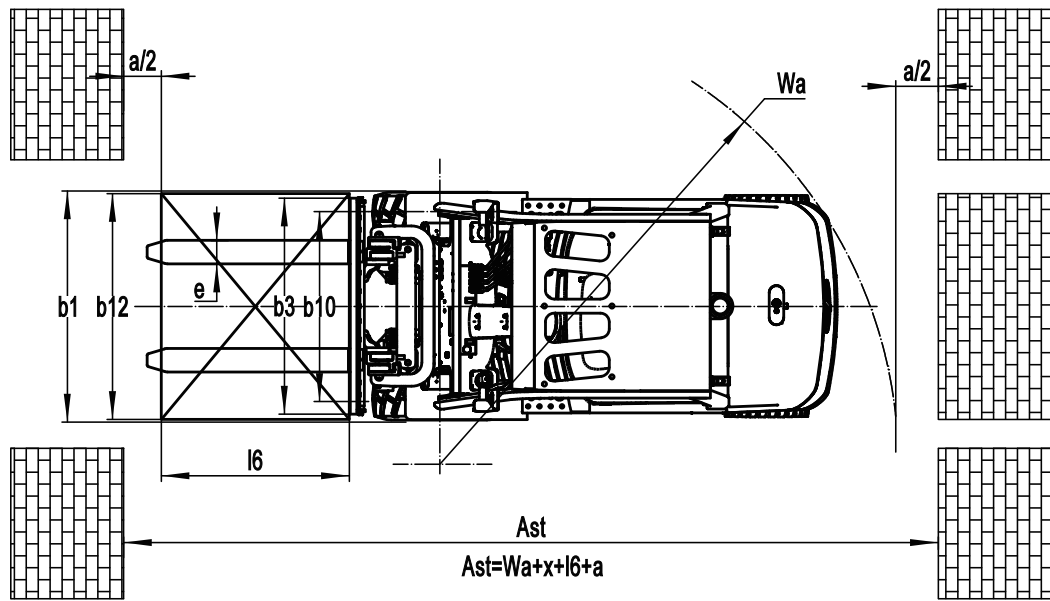
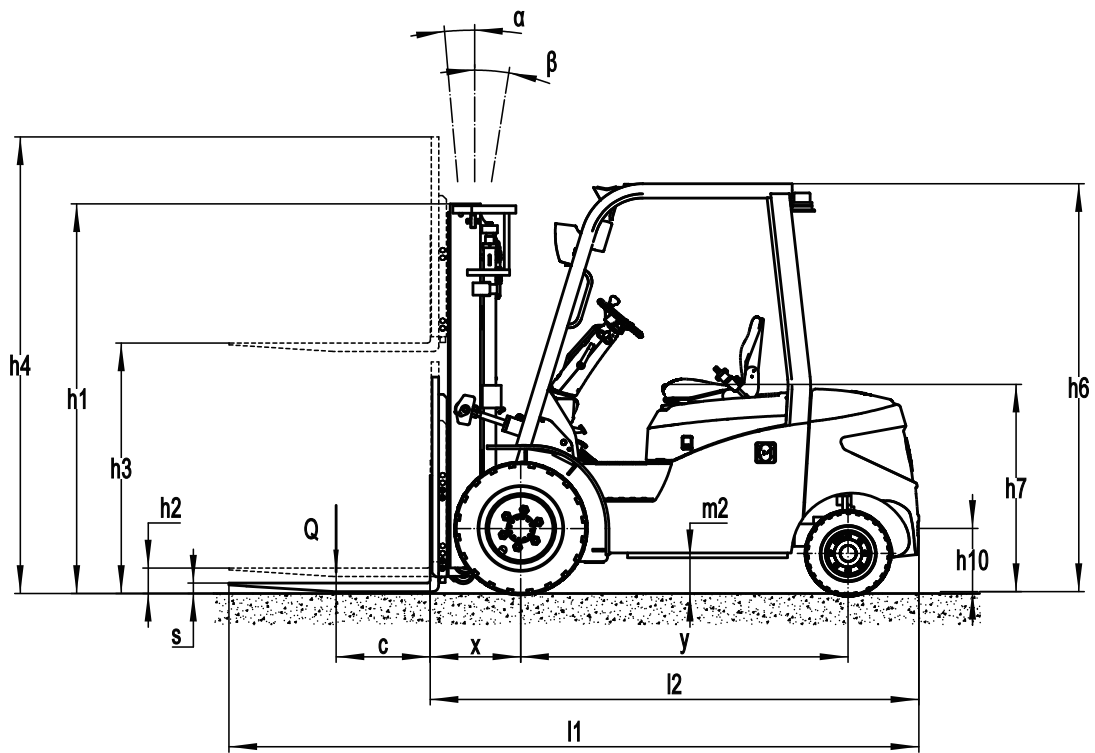
- Heavy duty Lithium powered series
- 80V system using EP Energy's 460Ah Lithium battery and powerful AC Drive Motor
- Ergonomic design with ample cabin space , adjustable steering, and suspension seat
- Available with both onboard charging capabilities and external chargers up to 155A

Manufacturer			EP	EP
Model designation			EFLA251	EFLA251
Drive			Electric	Electric
Base capacity	Q	lb.	5000	5000
Load center distance	c	in.	24	24
Service weight		lb.	9240	9240
Collapsed height	h1	in.	82.5	91
Maximum fork height	h3	in.	189	197
Height, mast extended	h4	in.	237	245
Length to face of forks	l2	in.	91.7	91.7
Overall width	b1/b2	in.	41.9	41.9
Fork dimensions	s/e/l	in.	1.57x4.8x42	1.8x4.8x42
Turning radius	Wa	in.	78.4	78.4
Travel speed, loaded/unloaded		mph	8.1/8.7	8.1/8.7
Lifting speed, loaded/unloaded		fpm	120/126	120/126
Lowering speed, loaded/unloaded		fpm	98/98	98/98
Max. gradeability, loaded/unloaded		%	15/16	15/16
Drive motor rating S2 60 min		kW	8.5	8.5
Battery voltage/nominal capacity		V/Ah	80V230 or 80V 460Ah	80V230 or 80V460Ah

# 4-wheel forklift 5,000lbs EFLA251

Distinguishing mark	1.1	Manufacturer				EP	EP
	1.2	Model designation				EFLA251	EFLA251
	1.3	Drive				Electric	Electric
	1.4	Operator type				Seated	Seated
	1.5	Base capacity	Q	lb.		5000	5000
	1.6	Load center distance	c	in.		24	24
	1.8	Load distance, center of drive axle to fork	x	in.		17.9	17.9
	1.9	Wheelbase	y	in.		58.5	58.5
	Service weight	2.1	Service weight		lb.		9240
2.2		Axle loading, loaded front/rear		lb.		11536/3120	11536/3120
2.3		Axle loading, unloaded front/rear		lb.		4396/5102	4396/5102
Tires/chassis	3.1	Tire type				Cushion	Cushion
	3.2	Tire size, front				21x7-15	21x7-15
	3.3	Tire size, rear				16x6-10.5	16x6-10.5
	3.5	Wheels, number front/rear (x=drive wheels)		in.		2x2	2x2
	3.6	Tread width, front	b <sub>10</sub>	in.		35.6	35.6
	3.7	Tread width, rear	b <sub>11</sub>	in.		35.6	35.6
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	$\alpha/\beta$	°		6/5
4.2		Collapsed Height	h <sub>1</sub>	in.		82.5	91
4.3		Free lift	h <sub>2</sub>	in.		34.5	40
4.4		Maximum fork height	h <sub>3</sub>	in.		189	197
4.5		Height, mast extended with Std. LBR	h <sub>4</sub>	in.		237	245
4.7		Height of overhead guard (cabin)	h <sub>6</sub>	in.		83.1	83.1
4.8		Seat height/standing height	h <sub>7</sub>	in.		42.9	42.9
4.12		Tow coupling height	h <sub>10</sub>	in.		10.6	10.6
4.19		Overall length	l <sub>1</sub>	in.		133.8	133.8
4.20		Length to face of forks	l <sub>2</sub>	in.		91.7	91.7
4.21		Overall width	b <sub>1</sub> /b <sub>2</sub>	in.		41.9	41.9
4.22		Fork dimensions	s×e×l	in.		1.6x4.8x42	1.6x4.8x42
4.23		A,B Fork carriage class/type A, B				2A	2A
4.24		Fork carriage width	b <sub>3</sub>	in.		41	41
4.31		Ground clearance, loaded, below mast	m <sub>1</sub>	in.		3.95	3.95
4.32		Ground clearance, center of wheelbase	m <sub>2</sub>	in.		4.3	4.3
4.34.1		Right Angle Stack (x +wa)	Ast	in.		144.3	144.3
4.34.2	Minimum Aisle Width (Right Angle Stack + Load Length + Clearance)	Ast	in.		170.24	170.24	
4.35	Turning radius	Wa	in.		78.4	78.4	
Performance data	5.1	Travel speed, loaded/unloaded		mph		8.1/8.7	8.1/8.7
	5.2	Lifting speed, loaded/unloaded		fpm		120/126	120/126
	5.3	Lowering speed, loaded/unloaded		fpm		98/98	98/98
	5.8	Max. gradeability, loaded/unloaded		%		15/16	15/16
	5.10	Service brake				Hydraulic	Hydraulic
	5.11	Parking brake				Mechanical	Mechanical
Electric-engine	6.1	Drive motor rating S2 60 min		kW		8.5	8.5
	6.2	Lift motor rating at S3 15%		kW		26	26
	6.4	Battery voltage/nominal capacity		V/Ah		80V230Ah / 80V460Ah	80V230Ah / 80V460Ah
	6.5	Minimum battery weight		lb.		650	650
	Additional data	8.1	Type of drive control				AC
10.5		Steering design				Hydraulic	Hydraulic
10.7		Sound pressure level at the driver's ear		dB(A)		70	70
15.1		Charger output current		A		15, 35, 100, 155	15, 35, 100, 155

If there are improvements of technical parameters or configurations, no further notice will be given.  
The diagram shown may contain non-standard configurations.  
Minimum Aisle Width uses 48" for load length and 12" for Clearance.



# Mast Options

## EFLA251

Mast types	Mast Dimensions			
	Maximum Fork Height ( h3 )	Collapsed Height(h1)	Extended Height(h4)	Free lift(h2)
	in.	in.	in.	in.
3-Free Mast	189.0	82.5	237	34.5
	197.0	91	245	40