

EKKO

MATERIAL HANDLING EQUIPMENT

MOVING AHEAD

STAND-UP RIDER FORKLIFT EK18RF SERIES

- Load Capacity 4000 lbs.
- Lift Height 189-216 in. 3 Stage
- Side Shifting Forks
- 48V/420Ah Industrial Battery
- Free Lift 61-70"
- Hydraulic Power Steering
- Length 70"
- Curtis Controller
- German ZF AC Motor
- Tilt 3/6 degree
- Mast Height 78.5"
- Overhead Guard 89.5"
- Battery & Charger
- 3 Year Ltd. Warranty



EK18RF Series

Superior quality, maneuverable, compact, and durable for all your material handling applications. Ideal for dock picking and smaller aisles.

WEIGHT CAPACITY: 4000 lbs. @ 24" load centers

LIFT HEIGHT: 189-216"

SIDE SHIFTING FORKS: 45.3"

MAST HEIGHT: 82.6-91.77"

TURNING RADIUS: 61

FREE LIFT: 52-61"

TILT: 3/6 degree

INDUSTRIAL BATTERY / CHARGER: 48V 420Ah, Industrial battery with external 48V/65A three phase 480V charger.

BRAKING: Drum brakes

SPEED TRAVEL: 9 mph empty; 7.5 mph loaded

LIFTING SPEED: 16 ips empty; 9.9 ips loaded

LOWERING SPEED: 10.2 ips empty; 9.5 ips loaded

FRONT WHEELS: Solid Cushion

REAR DRIVE WHEELS: Polyurethane

HYDRAULICS LIFTING MOTOR: 48V 7700 Watt lifting motor with hardened chrome moly steel for durability.

DRIVE MOTOR: 48V 7500-Watt ZF AC drive motor for efficiency and high torque.

AC CONTROLLER: 48V Curtis provides performance through entire range of speed; Constant travel speed regardless of load; Battery discharge indicator combination gauge.

BRAKES: Drum Brakes with Electro-magnetic braking for secure stopping power

LIGHTING: LED Headlights, turn signals and brake lights.

OPERATOR CONTROLS: Tilt, lifting, lowering, side shifting forks, horn functions are in the ergonomic sit down; Led lighting.

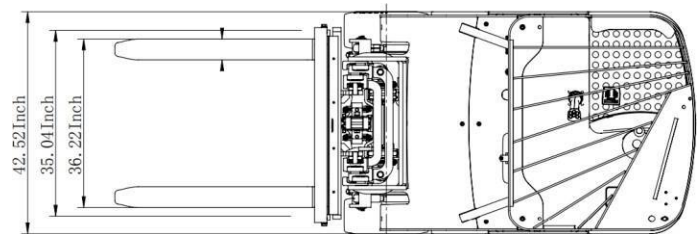
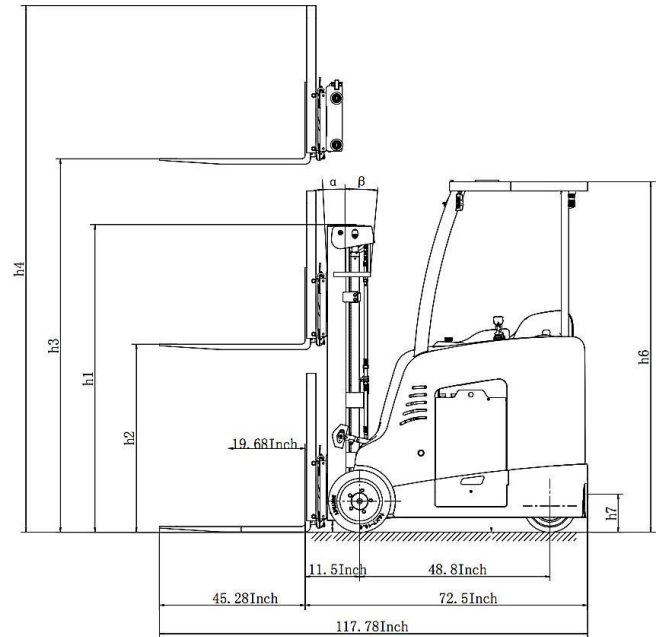
CHASSIS AND MAST: Robotic Welding; Heavy duty steel chassis with I-beam mast for durability; Telescoping mast.



Rider Forklift



Model		EK18RFL	EK18RF
Power unit		Electric	Electric
Operation Type		Rider	Rider
Loading capacity	Q (LBS)	4000	4000
Load center	c (Inch)	24	24
Axle center to fork face	x (Inch)	11.5	11.5
Wheelbase	y (Inch)	48.8	48.8
Service weight with battery	LBS	7870	7940
Wheels type		Solid wheel	Solid wheel
Driving wheel size	Φ×w(Inch)	16×7-10.5 (15.98*7.01*10.51)	16×7-10.5 (15.98*7.01*10.51)
Bearing wheel size	Φ×w(Inch)	13.5×5.2	13.5×5.2
Wheels, number front/rear		1×/2	1×/2
Track width	b ₁₀ (Inch)	35.04	35.04
Mast/fork carriage tilt, fwd/bwd	a/b (°)	3/5	3/5
Lowered mast height	h ₁ (Inch)	82.6	91.77
Free lift height	h ₂ (Inch)	52.17	61.34
Lift height	h ₃ (Inch)	188.98	216.54
Extended mast height	h ₄ (Inch)	220.87	248.43
Height of overhead guard (cabin)	h ₆ (Inch)	90.08	90.08
Height of seat/stand-on platform	h ₇ (Inch)	9.06	9.06
Overall length	l ₁ (Inch)	117.78	117.78
Length to fork face	l ₂ (Inch)	72.52	72.52
Overall width	b ₁ / b ₂ (mm)	42.52/42.13	42.52/42.13
Fork dimensions	s/e/l (Inch)	1.58/4.72/45.28	1.58/4.72/45.28
Width of forks	b ₃ (Inch)	36.22	36.22
Ground clearance under mast	m ₁ (Inch)	2.95	2.95
Min.Ground clearance	m ₂ (Inch)	3.86	3.86
Minimum Aisle requirement	Ast (FT)	10.4	10.4
Min.Turning radius	Wa (Inch)	58.5	58.5
Travel speed,laden/unladen	(km/h)	12/13	12/13
Lifting speed, with/without load	(mm/s)	250/400	250/400
Lowering speed, with/without	(mm/s)	240/258	240/258
Climbing ability, with/without	(%)	6/10	6/10
Service brake		Hydraulic	Hydraulic
Drive motor, 60-minute rating	(kW)	6	6
Lift motor rating at S3 15%	(kW)	7.7	7.7
Battery according to DIN 43531/35/36 A,B,C,no		no	no
Battery voltage/rated capacity	(V/Ah)	48/420	48/420
Battery weight (± 5%)	(LBS)	1570	1570
Power consumption VDI	(mm)	38*18.1*29.53	38*18.1*29.53
Type of drive control		AC	AC
Noise level at operator's ear	(dB(A))	≤70	≤70
steering type		Hydraulic steering	Hydraulic steering



MODEL #	LOWERED MAST	LIFT HEIGHT	FREE LIFT	MAX MAST HEIGHT	TOTAL LENGTH	SERVICE WEIGHT
EK18RFL	82.6"	189"	52.17"	220.87"	70"	7870lbs
EK18RF	91.77"	216"	61.34"	248.43"	70"	7940lbs