

EKKO[®]

MATERIAL HANDLING EQUIPMENT

MOVING AHEAD

3-WHEEL ELECTRIC FORKLIFT EK18A SERIES

- Load Capacity 4000 lbs.
- Lift Height 189 in. 3 Stage
- Side Shifting Forks
- Free Lift 63"
- EPS (Elec. Power Steer)
- Length 80 in.
- Curtis Controller
- Tilt 6/6 degree
- Mast Height 83.6 in.
- Overhead Guard 82.68 in.
- Battery & Charger
- 3 Year Limited Warranty



EK18A

Superior quality, maneuverable, compact, and durable for all your material handling applications. Ideal for small aisles and areas.

WEIGHT CAPACITY: 4000 lbs. @ 24" load center

LIFT HEIGHT: 189" (15.75 ft) 3 Stage

SIDE SHIFTING FORKS: 45.3"

MAST HEIGHT: 82.68"

TURNING RADIUS: 64.17"

FREE LIFT: 63.78"

TILT: 6/6 degree

BATTERY / CHARGER: 48V 425AH,
48-volt Industrial batteries with external direct
connect 480V automatic 48V/65A
charger (both Included)

BRAKING: Hydraulic

SPEED TRAVEL: 8.0 mph empty ; 6.45 mph loaded

LIFTING SPEED: 15.75 ips empty; 9.84 ips loaded

LOWERING SPEED: 10.16 ips empty; 9.45 ips loaded

DRIVE WHEELS: (2) 7x5" solid cushion

LOAD WHEELS: (2) 10x6.5" Solid cushion

HYDRAULICS LIFTING MOTOR: 24V 2500 Watt lifting motor with hardened chrome moly steel for durability.

DRIVE MOTOR: 48V 7500-Watt 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; Electronic neutral braking for accurate control.

LIGHTING: LED Head lights and Brake lights.

OPERATOR CONTROLS: EPS (Electric Power Steering), tilt lifting, lowering, side shifting forks, horn functions are located in the ergonomic sit down; Led lighting.

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



3-Wheel Electric Forklift



Model		EK18A
Power unit		Electric
Operation Type		Rider
Loading capacity	Q (LBS)	4000
Load center	c (Inch)	24
Axle center to fork face	x (Inch)	18.11
Wheelbase	y (Inch)	54.33
Service weight with battery	LBS	7550
Wheels type		Solid wheel
Driving wheel size	$\Phi \times w$ (Inch)	6.5-10-10PR
Bearing wheel size	$\Phi \times w$ (Inch)	15×4.5-8
Wheels		2×/2
Track width	b_{10} (Inch)	35.04
Track width	b_{11} (Inch)	7.09
Mast Tilt	a/b (°)	6/6
Lowered mast height	h1 (Inch)	83.46
Free lift height	h2 (Inch)	63.78
Lift height	h3 (Inch)	189
Extended mast height	h4 (Inch)	220.87
Height of overhead guard (cabin)	h6 (Inch)	82.68
Height of seat/stand-on platform	h7 (Inch)	42.5
Towing coupling height	h10 (Inch)	19.49
Overall length	l_1 (Inch)	128.74
Length to fork face	l_2 (Inch)	80.71
Overall width	b_1 / b_2	42.52/42.13
Fork dimensions	s/e/l (Inch)	1.58/4.72/45.3
Width of forks	b_3 (Inch)	36.22
Ground clearance under mast	m1 (Inch)	3.54
Min.Ground clearance	m_2 (Inch)	4.13
Aisle width with pallet 39.37 x 47.24 across forks	Ast (Inch)	131.89
Aisle width with pallet 31.5 x 47.24 along forks	Ast (Inch)	136.81
Min.Turning radius	Wa (Inch)	64.17
Travel speed,laden/unladen	(km/h)	12/13
Lifting speed, with/without load	(Inch/s)	9.84/15.75
Lowering speed, with/without load	(Inch/s)	9.45/10.16
Climbing ability, with/without load	(%)	10/15
Service brake		Hydraulic
Drive motor, 60-minute rating	(kW)	7.5
Lift motor rating at S3 15%	(kW)	7.7
Battery voltage/rated capacity	(V/Ah)	48/425
Battery weight (± 5%)	(LBS)	1450
Power consumption according to VDI cycle	(Inch)	38.11/15.43/23.03
Type of drive control		AC
Noise level at operator's ear	(dB(A))	≤70
Steering type		Hydraulic steering

