

# EKKO<sup>®</sup>

MATERIAL HANDLING EQUIPMENT

**MOVING AHEAD**

## **STAND-UP RIDER REACH TRUCK EK18RR / EK18RRL**

- Load Capacity 4500 lbs.
- Lift Height 196-275 in. 3 Stage
- Side Shifting Forks
- 48V/420Ah Industrial Battery
- Free Lift 53-79"
- Hydraulic Power Steering
- Length 102"
- Curtis Controller
- Tilt 3/6 degree
- Mast Height 96-123"
- Overhead Guard 78.93"
- Battery & Charger
- 3 Year Limited Warranty



## **EK18RR / EK18RRL**

**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:** 196-275 3 Stage

**SIDE SHIFTING FORKS:** 42"

**MAST HEIGHT:** 96-123"

**TURNING RADIUS:** 75"

**FREE LIFT:** 53-79"

**TILT:** 2/4 degree

**INDUSTRIAL BATTERY / CHARGER:** 48V 420Ah,  
Industrial battery with external direct  
connect 210A 210VAC plug-in automatic 48V/65A  
charger (both Included)

**BRAKING:** Electromagnetic

**SPEED TRAVEL:** 5.9 mph empty ; 5.59 mph loaded

**LIFTING SPEED:** 9.05" ips empty; 7.48" ips loaded

**LOWERING SPEED:** 11.81" ips empty; 9.05" ips loaded

**FRONT WHEELS:** Polyurethane

**REAR WHEELS:** Polyurethane

**HYDRAULICS LIFTING MOTOR:** 48V 11000 Watt lifting motor with hardened chrome moly steel for durability.

**DRIVE MOTOR:** 48V 6000-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 Head lights, turn signals and brake lights.

**OPERATOR CONTROLS:** Tilt, lifting, lowering, side shifting forks, horn functions are located in the ergonomic Operators Compartment; Led lighting.

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



# RIDER REACH TRUCK

# EKKO®

Model		EK18RR	EK18RRL
Power unit		Electric	Electric
Operation Type		Stand	Stand
Loading capacity	Q (LBS)	4000	4000
Load center	c (Inch)	19.7	19.7
Axle centre to fork face	x (Inch)	14.65	14.76
Wheelbase	y (Inch)	63.62	63.7
Service weight with battery	LBS	9330	9000
Wheels type		PU	PU
Driving wheel size	Φ×w(Inch)	Φ13.5×5.2	Φ13.5×5.2
Bearing wheel size	Φ×w(Inch)	Φ4.9×3.2	Φ4.9×3.2
Wheels, number front/rear (x = driven)		1x,2/4	1x,2/4
Track width	b <sub>10</sub> (Inch)	28.9	28.9
Track width	b <sub>11</sub> (Inch)	49.6	49.6
Mast/fork carriage tilt, forward/backward	a/b (°)	2/4	2/4
Lowered mast height	h <sub>1</sub> (Inch)	123.27	96.42
Free lift height	h <sub>2</sub> (Inch)	79.92	53.15
Lift height	h <sub>3</sub> (Inch)	275.59	196.85
Extended mast height	h <sub>4</sub> (Inch)	318.9	240.94
Height of overhead guard (cabin)	h <sub>6</sub> (Inch)	93.94	93.94
Lowered fork height	h <sub>13</sub> (Inch)	1.97	1.97
Overall length	l <sub>1</sub> (Inch)	102.28	102.28
Length to fork face	l <sub>2</sub> (Inch)	60.16	60.16
Overall width	b <sub>1</sub> / b <sub>2</sub> (Inch)	54.72/44.1	54.72/44.1
Fork dimensions	s/e/l (Inch)	1.58/4.72/45	1.58/4.72/45
Width of forks	b <sub>5</sub> (Inch)	35.04	35.04
Distance Between Support arms/loading surfaces	b <sub>4</sub> (Inch)	44.49	44.49
Reach distance	l <sub>4</sub> (Inch)	22.44	22.44
Min.Ground clearance	m <sub>2</sub> (Inch)	1.81	1.81
Aisle width with pallet 1000 x 1200 across forks	Ast (Inch)	116.93	116.93
Aisle width with pallet 800 x 1200 along forks	Ast (Inch)	118.9	118.9
Min.Turning radius	Wa (Inch)	75	75
length across wheel arms	l <sub>7</sub> (Inch)	81.65	81.65
Travel speed,laden/unladen	Mph	5.59/5.90	5.59/5.90
Lifting speed, with/without load	(in/s)	7.48/9.05	7.48/9.05
Lowering speed, with/without load	(in/s)	11.81/9.05	11.81/9.05
Reach speed,laden/unladen	(in/s)	3.93/4.33	3.93/4.33
Maximum climbing ability, with/without load	(%)	6/10	6/10
Electromagnetic + mechanical		Electromagnetic	Electromagnetic
Drive motor, 60-minute rating	Watts	6000	6000
Lift motor rating at S3 15%	Watts	11000	11000
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)	1585	1585
Type of drive control		AC	AC
Noise level at operator's ear	(dB(A))	≤75	≤75

