

SCISSOR LIFT

AICHI
A TOYOTA INDUSTRIES COMPANY

19, 20, 26, & 32 FT. PLATFORM HEIGHTS

SPECIFICATIONS

YOUR TALL ACCESS PASS

- ▶ 500 - 1000 lb. Capacity
- ▶ 24V AC Drive Motors
- ▶ Zero Degree Inside Turn Radius



SV1930E | SV2032E | SV2632E | SV2646E | SV3246E

AICHI SCISSOR LIFT

PLATFORM WORKING HEIGHT
25-38 FT.

MOTOR
24V

TURN RADIUS
0°

INDUSTRIES



Construction



General Warehousing



Retail



Facility Maintenance



General Manufacturing

STANDARD FEATURES

PERFORMANCE

- 24 Volt AC drive system
- Improved running time over DC or hydraulic drive motors
- Full 90 degree steering angle
- Zero degree inside turning radius
- Anti-Rollback function
- Roll-out platform extension deck
- 25% gradeability
- Reduced speed with platform elevated
- Toyota motor controllers with CAN/ BUS communication
- Proportional drive control
- Controlled descent function
- Dual operational modes provide increased platform capacity at lower lift heights (SV2632 and SV3246 models only)

BODY/EXTERIOR DESIGN

- Tilt alarm with drive & lift cut out
- Pothole protection system
- Horn & travel alarm
- Solid non-marking tires
- Steel construction on all panels
- Fold-down guardrails (optional on SV1930E model)
- 110V AC power to platform
- Lanyard attachment points (3)
- Forklift pockets
- Machine tie downs (Front and Back)
- Chain entrance protection
- Powder-coated paint
- Nickel plated scissor stack pins
- Drywall gate²
- Upper control box with:
 - Joystick control with steering switch
 - Tilt alarm indicator light
 - Horn
 - Battery discharge indicator
 - Detachable coil type control cable
 - Dual mounting locations
 - Remote off-truck operation capability

SERVICEABILITY

- Brushless AC drive motors
- High efficiency battery charger
- Cord error indicator
- Scissor maintenance prop
- LCD multi-function display with:
 - Battery discharge indicator
 - Hour meter
 - Error code display
 - Battery charging status indicators
- Four 6 volt, 225AH deep cycle batteries
- Digital monitor w/ on-board tuning
- Hour meter
- Lubrication free bushings
- Slide-out battery trays for ease of access

OPTIONAL EQUIPMENT

- Spring Loaded Half-Height Gate
- Panel Carrier¹
- Fold Down Guard Rails²
- AC Inverter (1000W)
- Drywall Gate²
- Tool Tray
- LED Strobe Light (Amber)
- Maintenance Free AGM Batteries
- Air Line to Platform
- Fire Extinguisher Bracket
- LED Work Lights
- High Capacity Batteries (240AH)

1 - Not available on SV1930E model

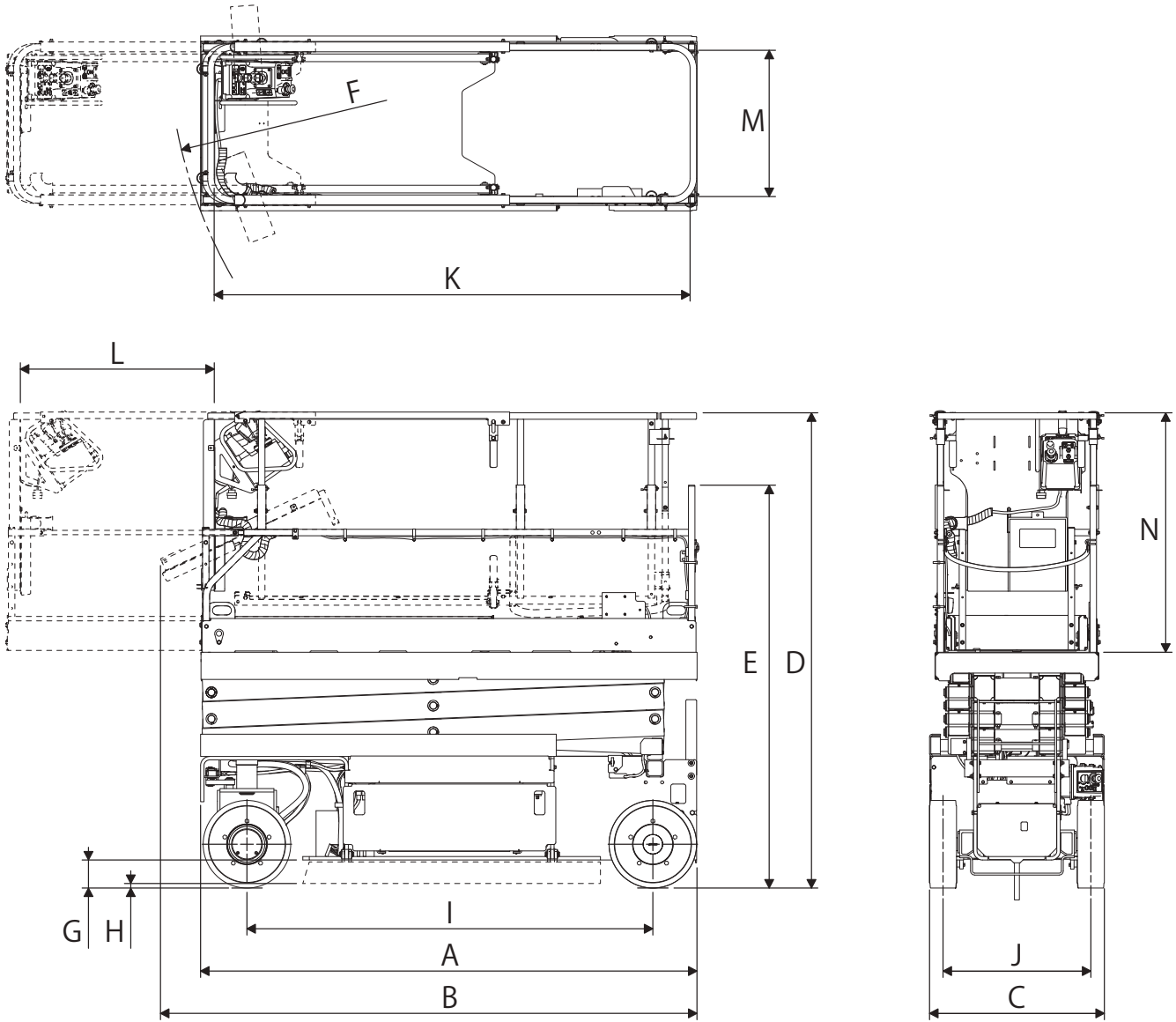
2 - Standard on SV2032E, SV2632E, SV2646E, and SV3246E models

3 - Function speeds and gradeability assume there is one person on the platform and the battery is fully charged

4 - Travel speed and gradeability are subject to surface conditions and sufficient traction

5 - Weight information is approximate and does not take into account different option configurations or special designs

EXTERIOR DIMENSIONS



LIFT SPECIFICATIONS

MODEL NUMBERS

DIMENSIONS AND WEIGHT		SV1930E	SV2032E	
A	Overall Length	ft in (m)	6' 1.6" (1.87)	7' 6.6" (2.3)
B	Overall Length with Fold-down Guardrails Folded	ft in (m)	6' 9.1" (2.06)	8' 2" (2.49)
C	Overall Width	in (cm)	29.9 (76)	31.9 (81)
D	Overall Height	ft in (m)	6' 6.3" (1.99)	7' 2.7" (2.20)
E	Overall Height with Fold-down Guardrails Folded	ft in (m)	5' 6" (1.65)	6' 1.3" (1.87)
	Vehicle Weight ⁵	lb (kg)	2712 (1230)	3616 (1640)
	Turning Radius (Inside)	deg	0 deg	0 deg
F	Turning Radius (Outside)	in (m)	73.6 (1.87)	88.5 (2.25)
G	Ground Clearance (Center of Wheelbase)	in (cm)	5.1 (13)	5.1 (13)
H	Ground Clearance (w/ Pothole Protectors Deployed)	in (cm)	0.787 (2)	0.787 (2)
I	Wheelbase	in (m)	59.4 (1.51)	73.9 (1.88)
	Ground Bearing Pressure	psi	109	81
	Tire Size (Diameter x Width)	in (cm)	12.7x3.9 (32.3x10)	16x4.9 (40.6x12.5)
J	Tread (Front and Rear)	in (cm)	26.0 (66)	26.9 (68.5)
PLATFORM		SV1930E	SV2032E	
	Platform Capacity at Lift Height	lb at in (kg at m)	500 @ 228 (227 @ 5.7)	800 @ 240 (363 @ 6.1)
	Platform Extension Capacity	lb (kg)	250 (113)	250 (113)
	Platform Working Height	ft (m)	25 (7.62)	26 (7.92)
	Platform Height - Elevated	ft (m)	19 (5.7)	20 (6.1)
	Platform Height - Lowered	in (m)	34.6 (0.88)	43.1 (1.1)
K	Platform Inner Length	in (m)	69.7 (1.77)	86.7 (2.2)
L	Platform Extension Length	in (m)	35.4 (0.9)	35.4 (0.9)
M	Platform Inner Width		26.8 (0.68)	26.8 (0.68)
N	Platform Railing Height	in (m)	43.7 (1.11)	43.7 (1.11)
	Scissor Link Stages	#	3	3
PERFORMANCE		SV1930E	SV2032E	
	Platform Lift/Lower Time	sec	26/30	28/40
	Max Travel Speed (Lowered) ^{3,4}	mph (km/h)	3.0 (4.8)	2.8 (4.5)
	Max Travel Speed (Elevated) ^{3,4}	mph (km/h)	0.5 (0.8)	0.5 (0.8)
	Voltage	V	24	24
	Drive System		Brushless Dual AC Motors	Brushless Dual AC Motors
	Gradeability ^{3,4}	deg (%)	14° (25%)	14° (25%)
	Tire Type		Solid	Solid
	Maximum Drive Height		Fully Elevated	Fully Elevated

1 - Not available on SV1930E model
 2 - Standard on SV2032E, SV2632E, SV2646E, and SV3246E models
 3 - Function speeds and gradeability assume there is one person on the platform and the battery is fully charged
 4 - Travel speed and gradeability are subject to surface conditions and sufficient traction
 5 - Weight information is approximate and does not take into account different option configurations or special designs

LIFT SPECIFICATIONS

MODEL NUMBERS

DIMENSIONS AND WEIGHT		SV2632E		SV2646E		SV3246E		
A	Overall Length	ft in (m)	7' 6.6" (2.3)		8' 2.4" (2.5)		8' 2.4" (2.5)	
B	Overall Length with Fold-down Guardrails Folded	ft in (m)	8' 2" (2.49)		8' 9.6" (2.69)		8' 9.6" (2.69)	
C	Overall Width	in (cm)	31.9" (81)		46.1" (117)		46.1" (117)	
D	Overall Height	ft in (m)	7' 7.4" (2.33)		7' 7.4" (2.33)		7' 7.4" (2.33)	
E	Overall Height with Fold-down Guardrails Folded	ft in (m)	6' 6.2" (1.99)		6' 6.2" (1.99)		6' 6.2" (1.99)	
	Vehicle Weight ⁵	lb (kg)	4630 (2100)		5270 (2390)		5270 (2390)	
	Turning Radius (Inside)	deg	0 deg		0 deg		0 deg	
F	Turning Radius (Outside)	in (m)	88.5 (2.25)		101.5 (2.58)		101.5 (2.58)	
G	Ground Clearance (Center of Wheelbase)	in (cm)	5.1 (13)		5.12 in (13 cm)		5.1 (13)	
H	Ground Clearance (w/ Pothole Protectors Deployed)	in (cm)	0.787 (2)		0.787 (2)		0.787 (2)	
I	Wheelbase	in (m)	73.9 (1.88)		81.8 (2.08)		81.8 (2.08)	
	Ground Bearing Pressure	psi	90		87		87	
	Tire Size (Diameter x Width)	in (cm)	16x4.9 (40.6x12.5)		16X4.9 (40.6X12.5)		16X4.9 (40.6X12.5)	
J	Tread (Front and Rear)	in (cm)	26.9 (68.5)		41.1 (1.05)		41.1 (1.05)	
PLATFORM		SV2632E		SV2646E		SV3246E		
	Platform Capacity at Lift Height	lb at in (kg at m)	500 @ 306 (227 @ 7.77)	800 @ 236 (363 @ 6.0)	1000 @ 311 (454 @ 7.9)	700 @ 381 (317 @ 9.68)	1000 @ 311 (454 @ 7.9)	
	Platform Extension Capacity	lb (kg)	250 (113)		250 (113)		250 (113)	
	Platform Working Height	ft (m)	32 (9.75)		32 (9.75)		38 (11.6)	
	Platform Height - Elevated	ft (m)	26 (7.92)		26 (7.92)		32 (9.68)	
	Platform Height - Lowered	in (m)	47.8 (1.22)		47.8 (1.22)		47.8 (1.22)	
K	Platform Inner Length		86.7 (2.2)		94.68 (2.41)		94.68 (2.41)	
L	Platform Extension Length	in (m)	35.4 (0.9)		49.9 (1.27)		49.9 (1.27)	
M	Platform Inner Width		26.8 (0.68)		40.67 (1.04)		40.67 (1.04)	
N	Platform Railing Height	in (m)	43.7 (1.11)		43.3 (1.11)		43.3 (1.11)	
	Scissor Link Stages	#	4		4		4	
PERFORMANCE		SV2632E		SV2646E		SV3246E		
	Platform Lift/Lower Time	sec	33/37		40/50		55/60	
	Max Travel Speed (Lowered) ^{3,4}	mph (km/h)	2.8 (4.5)		2.5 (4.0)		2.5 (4.0)	
	Max Travel Speed (Elevated) ^{3,4}	mph (km/h)	0.5 (0.8)		0.5 (0.8)		0.5 (0.8)	
	Voltage	V	24		24		24	
	Drive System		Brushless Dual AC Motors		Brushless Dual AC Motors		Brushless Dual AC Motors	
	Gradeability ^{3,4}	deg (%)	14° (25%)		14° (25%)		14° (25%)	
	Tire Type		Solid		Solid		Solid	
	Maximum Drive Height		Fully Elevated		Fully Elevated		Fully Elevated	

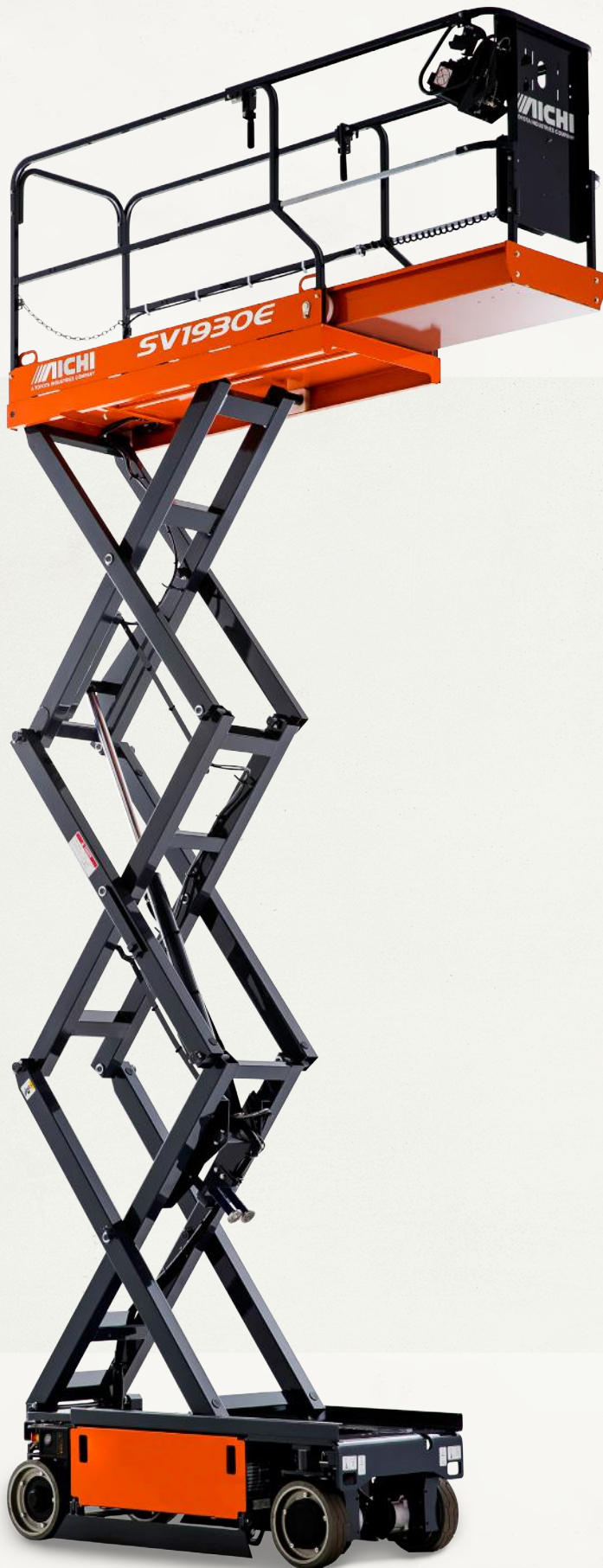
1 - Not available on SV1930E model

2 - Standard on SV2032E, SV2632E, SV2646E, and SV3246E models

3 - Function speeds and gradeability assume there is one person on the platform and the battery is fully charged

4 - Travel speed and gradeability are subject to surface conditions and sufficient traction

5 - Weight information is approximate and does not take into account different option configurations or special designs



AICHI E-SERIES SCISSOR LIFTS

- ▶ AICHI is a trusted worldwide aerial equipment manufacturer, renowned for its tradition of excellence and commitment to quality and efficiency.
- ▶ With 200,000 units sold worldwide since 1965 and a broad equipment range, AICHI has firmly established itself as the leading authority in aerial lifts. Over 50 years of business experience contributed to the company's success and expertise within the aerial work platform market.
- ▶ AICHI's industry-leading work is founded upon a tradition of excellence and a proven track record of innovation. Our implementation of thoughtful engineering considerations based on user feedback contributes to continued advancements like standard AC drive motors.
- ▶ AICHI's trusted brand joined with Toyota's industry-leading network of dealers for product support to provide first-class customer service. Resources include factory-trained service technicians and flexible leasing and financing packages through Toyota Commercial Finance.

For more information, including full specs, see your Toyota Dealer or AichiLift.com.

AICHI

A TOYOTA INDUSTRIES COMPANY

Some product features described or depicted herein are optional. Please consult your dealer for specifications. Details of specifications and equipment are based on information available at time of printing and may change without notice.