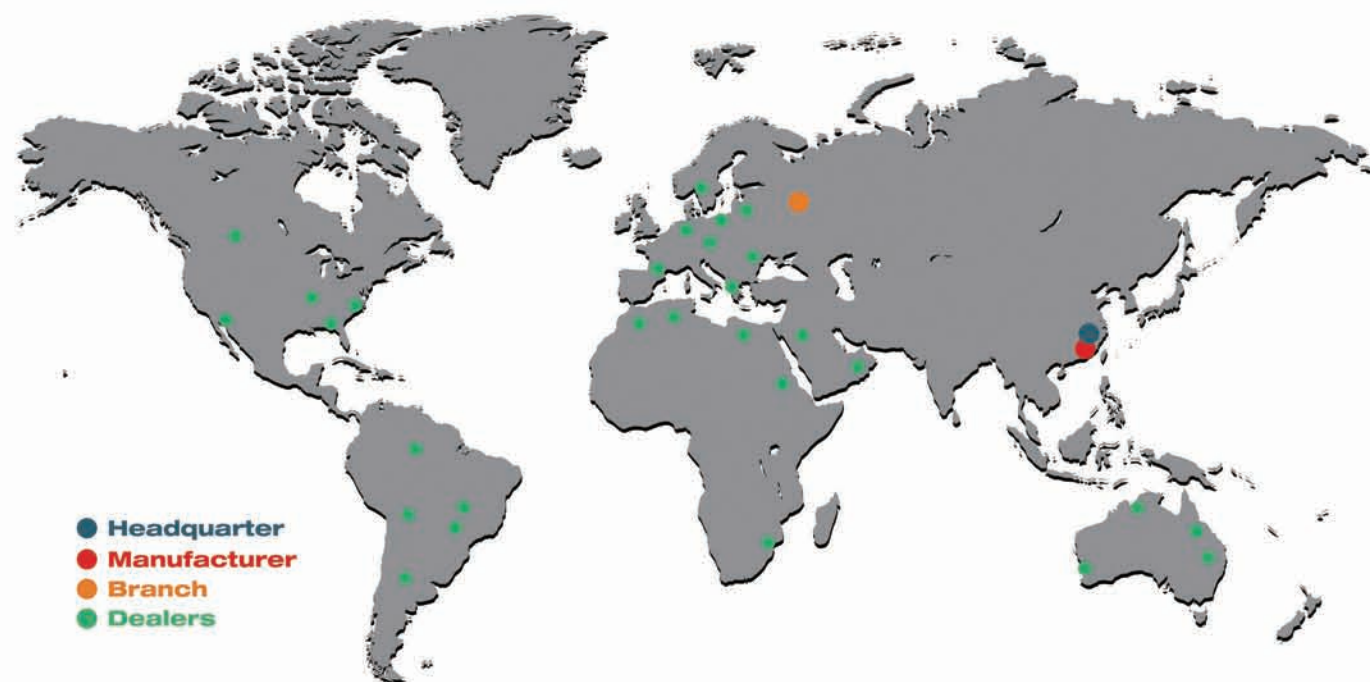




Anhui Royal Forklift CO., LTD.

www.ryforklift.com

Add / No.18, Xingye Road, Baochanshan Industrial Park, Ma'anshan City, Anhui Province, P.R. China 238100
 TEL / (86)512-65916195 FAX / (86)512-65915205 Email / info@ryforklift.com

*All Rights Reserved by Royal Forklift.



Smart Management and Remote Control System

This system contains hardware like Platform Control Unit (PCU), Engine Control Unit (ECU) and other controllers, and integrates smart modular software. The ECU is integrated by sensors, potentiometers, and communication modules, with software application, following functions are realized:

- Smart equipment control (e.g. auto path planning, auto equipment setting up, battery management)
- Equipment remote control (remote monitoring and diagnosis, rental management)

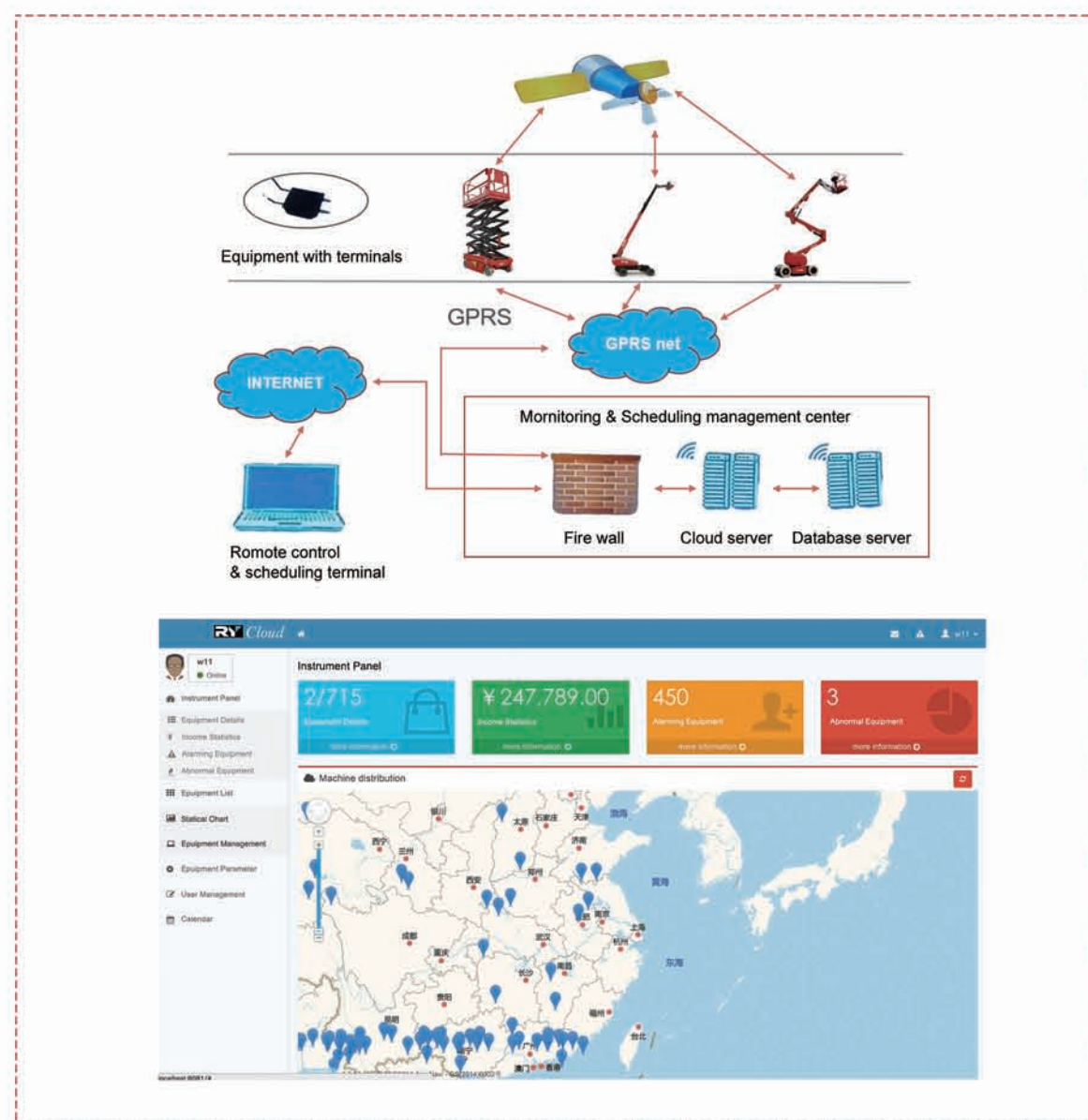
Application Example:

Equipment Internet

Use wireless WIFI, GPS, and mobile internet and cloud platform, to track equipment location, diagnose equipment from inhouse.

Rental Management System

Rental company can use PC, Phone or Pad to logon relevant APP or web-based system to track equipment location, diagnose equipment, make time management, manage rental rate, control dynamic passwords and conduct data analysis of the rental fleet, to optimize rental rate and utilization rate.



Specifications

Self-Propelled Scissor Lift

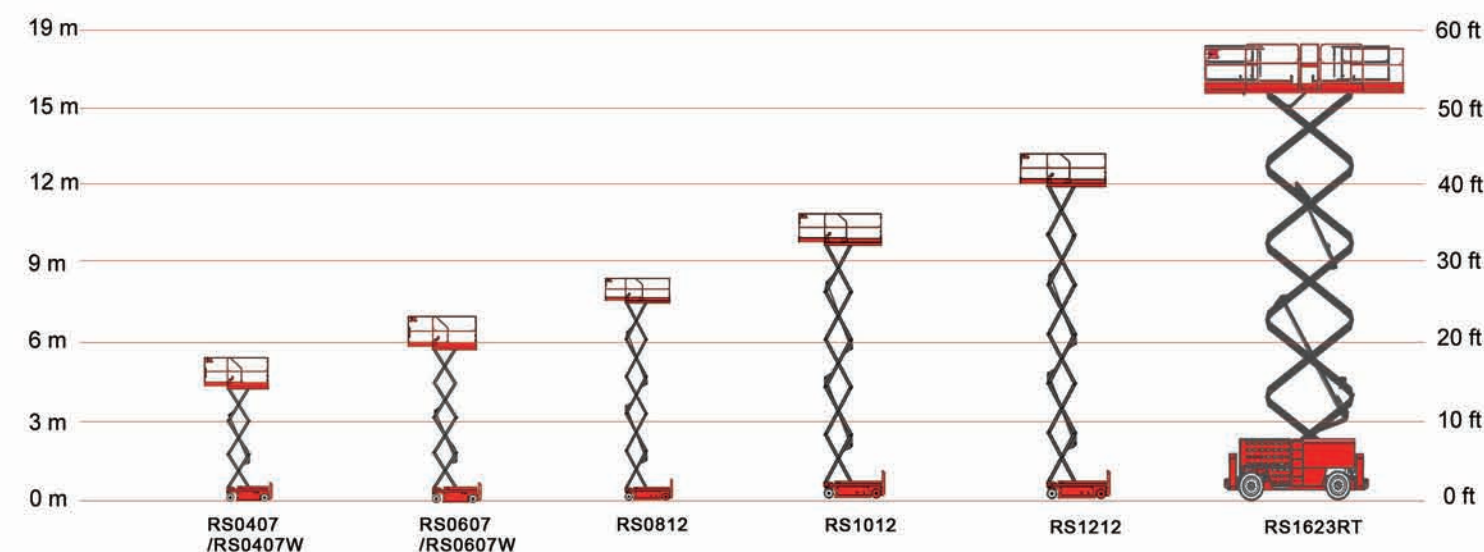
MODEL	WORKING HEIGHT		WIDTH		TURNING RADIUS*		LIFT CAPACITY		GRADEABILITY**
MEASUREMENT	US	METRIC	US	METRIC	US	METRIC	US	METRIC	
Electric Scissor Lifts									
RS0407	21 ft 5 in	6.52 m	2 ft 5 in	0.76 m	5 ft 1 in	1.55 m	617 lbs	280 kg	30%
RS0407W	21 ft 5 in	6.52 m	2 ft 8 in	0.81 m	5 ft 1 in	1.55 m	617 lbs	280 kg	30%
RS0607	25 ft 7 in	7.8 m	2 ft 5 in	0.76 m	5 ft 1 in	1.55 m	507 lbs	230 kg	25%
RS0607W	25 ft 7 in	7.8 m	2 ft 8 in	0.81 m	5 ft 1 in	1.55 m	507 lbs	230 kg	25%
RS0812	33 ft 2 in	10.1 m	3 ft 9 in	1.15 m	7 ft 7 in	2.3 m	1213 lbs	550 kg	30%
RS1012	39 ft 4 in	11.96 m	3 ft 9 in	1.15 m	7 ft 7 in	2.3 m	705 lbs	320 kg	25%
RS1212	45 ft 7 in	13.9 m	3 ft 9 in	1.15 m	7 ft 7 in	2.3 m	705 lbs	320 kg	25%

Rough Terrain Scissor Lifts

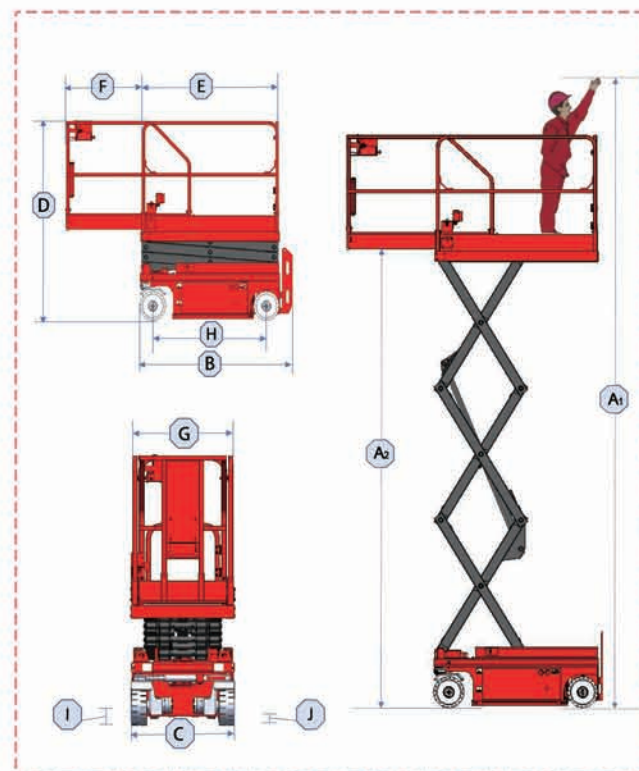
RS1623RT	59 ft 1 in	18 m	7 ft 6 in	2.29 m	17 ft 1 in	5.2 m	1500 lbs	680 kg	45%
----------	------------	------	-----------	--------	------------	-------	----------	--------	-----

* Outside Radius

** Gradeability applies to driving on slopes, see operator's manual for details regarding slope ratings. Gradeability may vary depending on options installed on machine



Specifications				
Model	RS0407		RS0407W	
Measurement	US	Metric	US	Metric
A ₁ Working height maximum*	21ft 5 in	6.52 m	21ft 5 in	6.52 m
A ₂ Platform height maximum	15 ft 10 in	4.52 m	15 ft	4.52 m
B Length-stowed	5 ft 12 in	1.82 m	6 ft	1.82 m
C Width	2 ft 6 in	0.76 m	2 ft 8 in	0.81 m
D Height stowed fixed rails	6 ft 9 in	2.06 m	6 ft 9 in	2.06 m
E Platform length -Outside	5 ft 5 in	1.65 m	5 ft 5 in	1.65 m
F Slide-out platform extension deck	2 ft 11 in	0.9 m	2 ft 11 in	0.9 m
G Platform width - outside	2 ft 6 in	0.76 m	2 ft 6 in	0.76 m
H Wheelbase	4 ft 5 in	1.35 m	4 ft 5 in	1.35 m
I Ground clearance-center	2.4 in	0.06 m	2.4 in	0.06 m
J - with pothole guards deployed	0.8 in	0.02 m	0.8 in	0.02 m
Productivity				
Maximum Platform Occupancy**	2	2	1	1
Lift capacity	617 lbs	280 kg	617 lbs	280 kg
Lift capacity - extension deck	265 lbs	120 kg	265 lbs	120 kg
Drive height	full height	full height	full height	full height
Drive speed - stowed	2.5 mph	4.0 km/h	2.5 mph	4.0 km/h
Drive speed - raised	0.5 mph	0.8 km/h	0.5 mph	0.8 km/h
Gradeability - stowed***	30%	30%	30%	30%
Turning radius - inside	0	0	0	0
Turning radius - outside	5 ft 1 in	1.55 m	5 ft 1 in	1.55 m
Max. work angle of inclination	3° / 1.5°	3° / 1.5°	3° / 1.5°	3° / 1.5°
Raise / lower speed(s)	18/28	18/28	18/28	18/28
Controls	proportional	proportional	proportional	proportional
Drive	dual front wheel	dual front wheel	dual front wheel	dual front wheel
Multiple disc brakes	dual rear wheel	dual rear wheel	dual rear wheel	dual rear wheel
Tires - solid non-marking	12 x 4 in	30.5 x 11 cm	12 x 4 in	30.5 x 11 cm
Power				
Drive Motor	3.3 kw		3.3 kw	
Power source	24 V DC (four 6 V 225 Ah batteries)		24 V DC (four 6 V 225 Ah batteries)	
Charger	90-240 V 25 Amp		90-240 V 25 Amp	
Hydraulic system capacity	2.6 gal	10 L	2.6 gal	10 L
Weight****				
	2723 lbs	1,235 kg	2734 lbs	1,240 kg



* This picture only for application indication, not real product type.

Features

Measurements

- 6.52 meters (21 ft 5 in) working height
- Up to 617 lbs (280kg) lift capacity

Productivity

- 1.65 x 0.74 m (65 x 29 in) steel platform
- 35 in (0.9 m) extension deck
- Proportional control
- Drive at full height
- Solid non-marking tires
- 4*2 wheel drive
- Auto brake system
- Manual braking release
- Emergency lowering
- Lanyard attachment points
- Emergency stop at both platform and ground controls
- Hour meter
- Drive flashing beacons
- Motion alarm
- Electronic horn
- Descent alarm
- Descent protection
- Charging position regulation
- Tilt level sensor with audible alarm
- Overload protection system
- On-board diagnosis system
- Oil pipeline explosion-proof
- Pothole protection
- Safety brackets

Power

- 24 V DC (four 6 V 225 Ah batteries)

Options

- AC power to platform
- Airline to platform
- GPS module
- Obstacle alarm
- AGM maintenance free batteries
- Charging protection
- Platform flashing beacons



Innovated Pothole Protection



Easy Maintenance



Extended Platform



Small Turning Radius



Strong Gradeability



Optimized Structure

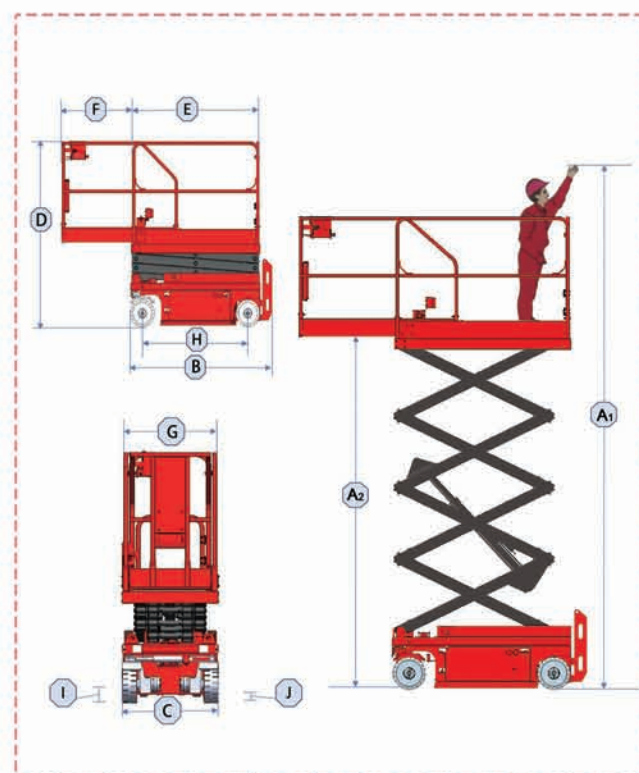


Emergency Lower



Optimized Hydraulic Circuit

Specifications				
Model	RS0607		RS0607W	
Measurement	US	Metric	US	Metric
A Working height maximum*	25 ft 7 in	7.8 m	25 ft 7 in	7.8 m
A Platform height maximum	19 ft	5.8 m	19 ft	5.8 m
B Length-stowed	5 ft 12 in	1.82 m	5 ft 12 in	1.82 m
C Width	2 ft 6 in	0.76 m	2 ft 9 in	0.81 m
D Height stowed fixed rails	7 ft 2 in	2.18 m	7 ft 2 in	2.18 m
E Platform length -Outside	5 ft 5 in	1.65 m	5 ft 5 in	1.65 m
F Slide-out platform extension deck	2 ft 11 in	0.9 m	2 ft 11 in	0.9 m
G Platform width -Outside	2 ft 6 in	0.76 m	2 ft 6 in	0.76 m
H Wheelbase	4 ft 5 in	1.35 m	4 ft 5 in	1.35 m
I Ground clearance-center	2.4 in	0.06 m	2.4 in	0.06 m
J - with pothole guards deployed	0.8 in	0.02 m	0.8 in	0.02 m
Productivity				
Maximum Platform Occupancy**	2	2	1	1
Lift capacity	507 lbs	230 kg	506 lbs	230 kg
Lift capacity - extension deck	265 lbs	120 kg	265 lbs	120 kg
Drive height	full height	full height	full height	full height
Drive speed - stowed	2.5 mph	4.0 km/h	2.5 mph	4.0 km/h
Drive speed - raised	0.5 mph	0.8 km/h	0.5 mph	0.8 km/h
Gradeability - stowed***	25%	25%	25%	25%
Turning radius - inside	0	0	0	0
Turning radius - outside	5 ft 1 in	1.55 m	5 ft 1 in	1.55 m
Max. work angle of inclination	3°/ 1.5°	3°/ 1.5°	3°/ 1.5°	3°/ 1.5°
Raise / lower speed(s)	18/28	18/28	18/28	18/28
Controls	proportional	proportional	proportional	proportional
Drive	dual front wheel	dual front wheel	dual front wheel	dual front wheel
Multiple disc brakes	dual rear wheel	dual rear wheel	dual rear wheel	dual rear wheel
Tires - solid non-marking	12 x 4 in	30.5 x 11 cm	12 x 4 in	30.5 x 11 cm
Power				
Drive Motor	3.3 kw		3.3 kw	
Power source	24 V DC (four 6 V 225 Ah batteries)		24 V DC (four 6 V 225 Ah batteries)	
Charger	90-24V 25Amp		90-240 V 25 Amp	
Hydraulic system capacity	2.6 gal	10 L	2.6 gal	10 L
WEIGHT****	3263 lbs	1480 kg	3307 lbs	1500 kg



* This picture only for application indication, not real product type

Features

Measurements

- 7.8 meters (25 ft 7 in) working height
- Up to 507 lbs (230 kg) lift capacity

Productivity

- 1.65 x 0.76 m (65 x 29 in) steel platform
- 35 in (0.9 m) extension deck
- Proportional control
- Drive at full height
- Solid non-marking tires
- 4*2 wheel drive
- Auto brake system
- Manual braking release
- Emergency lowering
- Lanyard attachment points
- Emergency stop at both platform and ground controls
- Hour meter
- Drive flashing beacons
- Motion alarm
- Electronic horn
- Descent alarm
- Descent protection
- Charging position regulation
- Tilt level sensor with audible alarm
- Overload protection system
- On-board diagnosis system
- Oil pipeline explosion-proof
- Pothole protection
- Safety brackets

Power

- 24 V DC (four 6 V 225 Ah batteries)

Options

- AC power to platform
- Airline to platform
- GPS module
- Obstacle alarm
- AGM maintenance free batteries
- Charging protection
- Platform flashing beacons



Innovated Pothole Protection



Easy Maintenance



Flashing Beacons



Small Turning Radius



Strong Gradeability



Optimized Structure

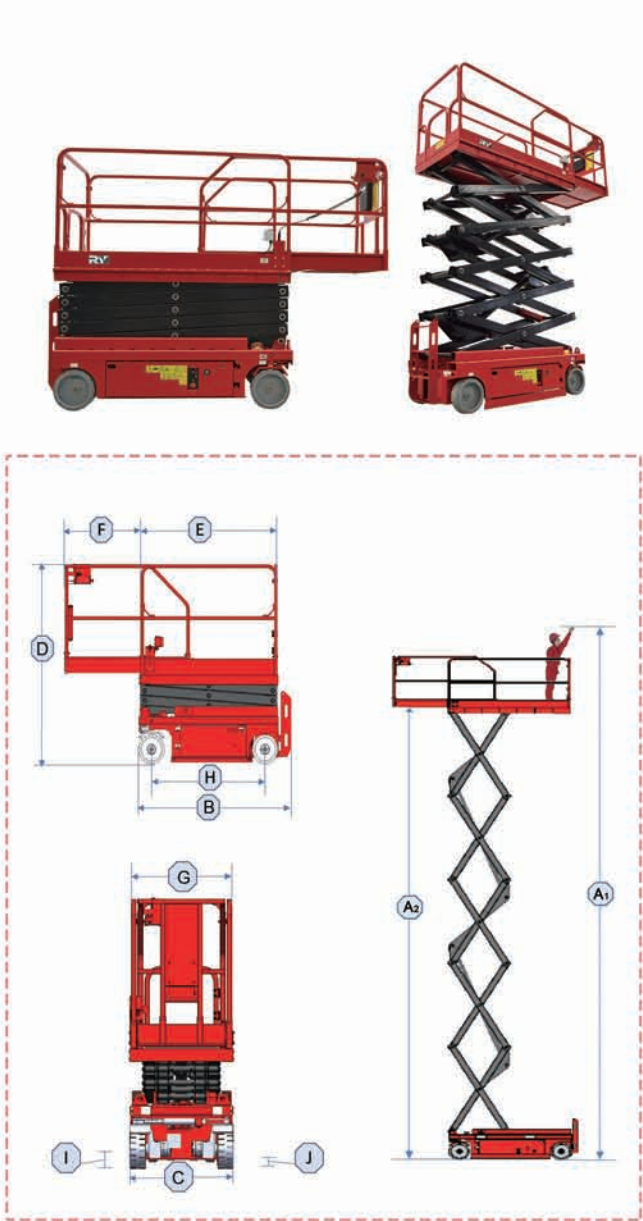


Emergency Lower



Safety Bracket

Specifications				
Model	RS0812		RS1012	
Measurement	US	Metric	US	Metric
A Working height maximum*	33 ft 2 in	10.1 m	39 ft 3 in	11.96 m
A Platform height maximum	26 ft 7 in	8.1 m	32 ft 8 in	9.96 m
B Length-stowed	7 ft 10 in	2.4 m	7 ft 10 in	2.4 m
C Width	3 ft 9 in	1.15 m	3 ft 9 in	1.15 m
D Height stowed-fixed rails	7 ft 5 in	2.25 m	8 ft 1 in	2.47 m
Height stowed-rails folded	5 ft 5 in	1.65 m	6 ft	1.83 m
E Platform length -Outside	7 ft 5 in	2.27 m	7 ft 5 in	2.27 m
F Slide-out platform extension deck	3 ft 3 in	1 m	3 ft 3 in	1 m
G Platform width - outside	3 ft 9 in	1.15 m	3 ft 9 in	1.15 m
H Wheelbase	6 ft 1 in	1.85 m	6 ft 1 in	1.85 m
I Ground clearance-center	4 in	0.1 m	4 in	0.1 m
J - with pothole guards deployed	0.8 in	0.02 m	0.8 in	0.02 m
Productivity				
Maximum Platform Occupancy **	2	2	2	2
Lift capacity	1213 lbs	550 kg	705 lbs	320 kg
Lift capacity - extension deck	265 lbs	120 kg	265 lbs	120 kg
Drive height	full height	full height	full height	full height
Drive speed - stowed	2.2 mph	3.5 km/h	2.2 mph	3.5 km/h
Drive speed - raised	0.5 mph	0.8 km/h	0.5 mph	0.8 km/h
Gradeability - stowed***	30%	30%	25%	25%
Turning radius - inside	0	0	0	0
Turning radius - outside	7 ft 7 in	2.3 m	7 ft 7 in	2.3 m
Max. work angle of inclination	3°/ 1.5°	3°/ 1.5°	3°/ 1.5°	3°/ 1.5°
Raise / lower speed(s)	31/40	31/40	58/48	58/48
Controls	proportional	proportional	proportional	proportional
Drive	dual front wheel	dual front wheel	dual front wheel	dual front wheel
Multiple disc brakes	dual rear wheel	dual rear wheel	dual rear wheel	dual rear wheel
Tires - solid non-marking	15 x 5 in	38 x 13 cm	15 x 5 in	38 x 13 cm
Power				
Drive Motor	3.3 kw		3.3 kw	
Power source	24 V DC (four 6 V 225 Ah batteries)		24 V DC (four 6 V 225 Ah batteries)	
Charger	90-240V 25 Amp		90-240V 25 Amp	
Hydraulic system capacity	5.8 gal	22 L	5.8 gal	22 L
Weight****				
	5400 lbs	2450 kg	6217 lbs	2820 kg



* This picture only for application indication, not real product type

Features

- Measurements**
- 33 ft 2 in (10.1 m) / 39 ft 4 in (11.96 m) working height
 - Up to 1213 lbs (550 kg) lift capacity

- Productivity**
- 2.4 x 1.15 m (94 x 45 in) steel platform
 - 39 in (1 m) extension deck
 - Proportional control
 - Drive at full height
 - Solid non-marking tires
 - 4*2 wheel drive
 - Auto brake system
 - Manual braking release
 - Emergency lowering
 - Lanyard attachment points
 - Emergency stop at both platform and ground controls
 - Hour meter
 - Drive flashing beacons
 - Motion alarm
 - Electronic horn
 - Descent alarm
 - Descent protection
 - Charging position regulation
 - Tilt level sensor with audible alarm
 - Overload protection system
 - On-board diagnosis system
 - Oil pipeline explosion-proof
 - Pothole protection
 - Safety brackets

- Power**
- 24 V DC (four 6 V 225 Ah batteries)

Options

- Folding rails on platform
- AC power to platform
- Airline to platform
- GPS module
- Obstacle alarm
- AGM maintenance free batteries
- Charging protection
- Platform flashing beacons



Innovated Pothole Protection



Easy Maintenance



Extended Platform



Small Turning Radius



Safety Bracket



Optimized Structure

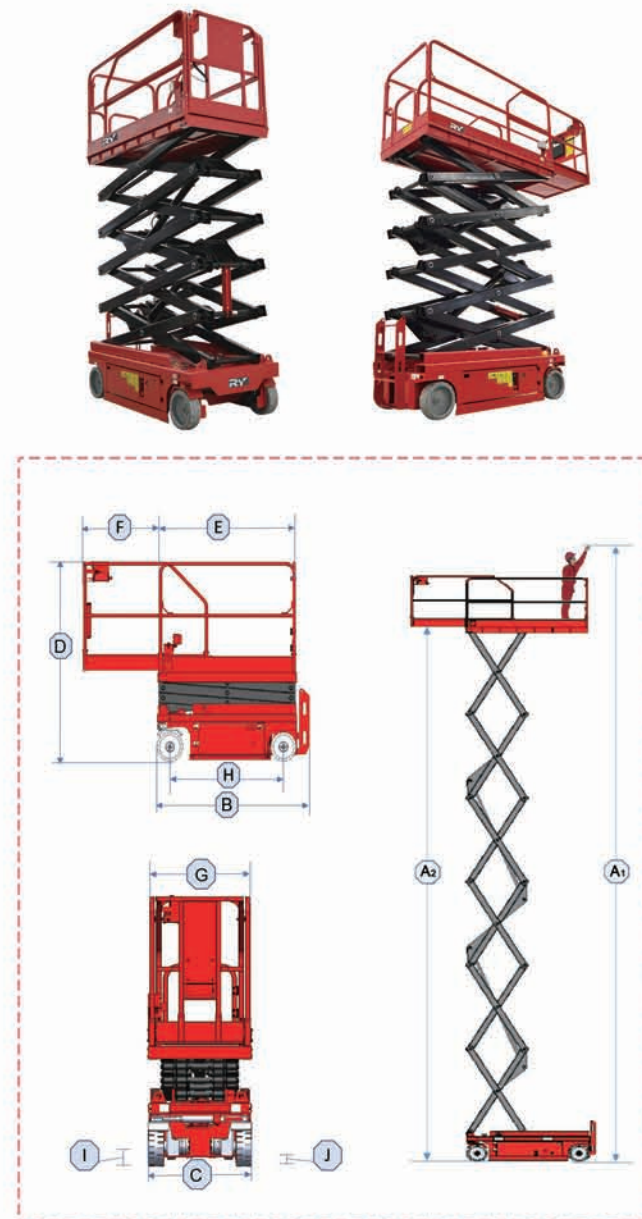


Emergency Lower



Optimized Hydraulic Circuit

Specifications		
Model	RS1212	
Measurement	US	Metric
A Working height maximum*	45 ft 7 in	13.9 m
A Platform height maximum	39 ft 1 in	11.9 m
B Length-stowed	8 ft 1 in	2.46 m
C Width	3 ft 9 in	1.15 m
D Height stowed-fixed rails	8 ft 6 in	2.6 m
Height stowed-rails folded	6 ft 5 in	1.95 m
E Platform length -Outside	7 ft 5 in	2.27 m
F Slide-out platform extension deck	3 ft 3 in	1 m
G Platform Width -Outside	3 ft 9 in	1.15 m
H Wheelbase	6 ft 1 in	1.85 m
I Ground clearance-center	4 in	0.1 m
J - with pothole guards deployed	0.8 in	0.02 m
Productivity		
Maximum Platform Occupancy **	2	2
Lift capacity	705 lbs	320 kg
Lift capacity - extension deck	265 lbs	120 kg
Drive height	full height	full height
Drive speed - stowed	2 mph	3.2 km/h
Drive speed - raised	0.5 mph	0.8 km/h
Gradeability - stowed***	25%	25%
Turning radius - inside	0	0
Turning radius - outside	7 ft 7 in	2.3 m
Max. work angle of inclination	3°/ 1.5°	3°/ 1.5°
Raise / lower speed(s)	70/68	70/68
Controls	proportional	proportional
Drive	dual front wheel	dual front wheel
Multiple disc brakes	dual rear wheel	dual rear wheel
Tires - solid non-marking	15 x 5 in	38 x 13 cm
Power		
Drive Motor	4.5 kw	
Power source	24 V DC (four 6 V 225 Ah batteries)	
Charger	90-240V 30 Amp	
Hydraulic system capacity	5.8 gal	22 L
Weight****	6900 lbs	3130 kg



* This picture only for application indication, not real product type

Features

Measurements

- 45 ft 7 in (13.9 m) working height
- Up to 705 lbs (320 kg) lift capacity

Productivity

- 2.46 x 1.15 m (97x 45 in) steel platform
- 39 in (1 m) extension deck
- Proportional control
- Drive at full height
- Solid non-marking tires
- 4*2 wheel drive
- Auto brake system
- Manual braking release
- Emergency lowering
- Lanyard attachment points
- Emergency stop at both platform and ground controls
- Hour meter
- Drive flashing beacons
- Motion alarm
- Electronic horn
- Descent alarm
- Descent protection
- Charging position regulation
- Tilt level sensor with audible alarm
- Overload protection system
- On-board diagnosis system
- Oil pipeline explosion-proof
- Pothole protection
- Safety brackets

Power

- 24 V DC (four 6 V 225 Ah batteries)

Options

- Folding rails on platform
- AC power to platform
- Airline to platform
- GPS module
- Obstacle alarm
- AGM maintenance free batteries
- Charging protection
- Platform flashing beacons



Innovated Pothole Protection



Easy Maintenance



Flashing Beacons



Small Turning Radius



Strong Gradeability



Optimized Structure

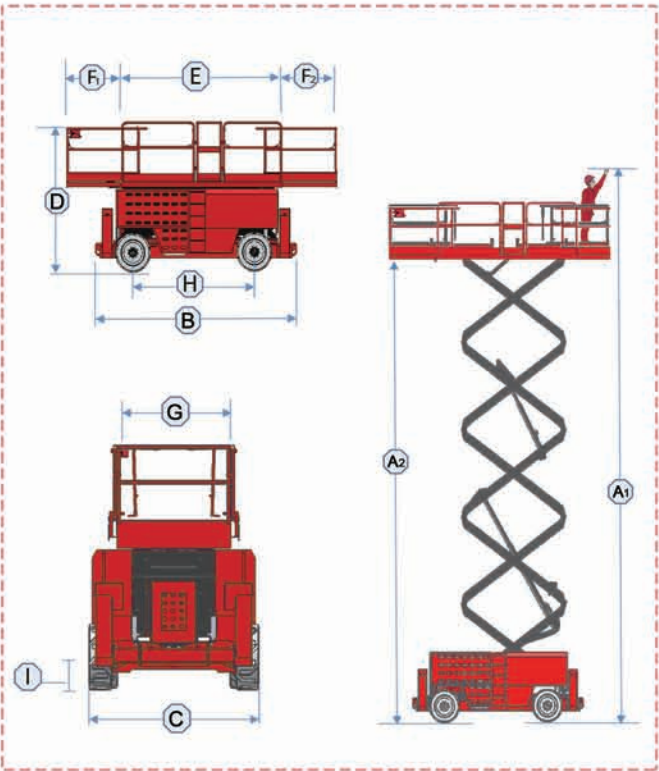


Emergency Lower



Safety Bracket

Specifications		
Model	RS1623RT	
Measurement	US	Metric
A Working height maximum*	59 ft 1 in	18 m
A ₂ Platform height maximum	52 ft 6 in	16 m
B Length-stowed	16 ft	4.88 m
C Width	7 ft 6 in	2.29 m
D Height-stowed rails	10 ft 4 in	3.15 m
Height-extend rails	8 ft 1 in	2.47 m
E Platform length -Outside	13 ft 1 in	3.98 m
F Slide-out platform extension deck(front)	4 ft 12 in	1.52 m
F ₂ Slide-out platform extension deck(back)	4 ft 12 in	1.52 m
G Platform Width - Outside	6 ft	1.83 m
H Wheelbase	9 ft 4 in	2.85 m
I Ground clearance-center	1 ft 2 in	0.36 m
Productivity		
Maximum Platform Occupancy **	6	6
Lift capacity	1500 lbs	680 kg
Lift capacity - extension deck	500 lbs	227 kg
Drive height	29 ft 10 in	9.1 m
Drive speed - stowed	3.8mph	6 km/h
Drive speed - raised	0.4 mph	0.7 km/h
Gradeability - stowed***	45%	45%
Turning radius - inside	7 ft 3 in	2.2 m
Turning radius - outside	17 ft 1 in	5.2 m
Max. work angle of inclination	7°/ 12°	7°/ 12°
Raise / lower speed(s)	60/60	60/60
Controls	proportional	proportional
Drive	four wheel	four wheel
Multiple disc brakes	four wheel	four wheel
Tires - solid non-marking	12 x 33 in	30 x 84 cm
Power		
Power source (Engine)	36kw	
Auxiliary Power unit	12 V DC	
Hydraulic system capacity	34 gal	130 L
Weight****	16645 lbs	7550 kg



* This picture only for application indication, not real product type

Features

Measurements

- 59 ft 1 in (18 m) working height
- Up to 1500 lbs (680kg) lift capacity

Productivity

- 3.98 x 1.83 m (156.5 x 72 in) steel platform
- 59 in (1.50 m) extension deck each side
- Proportional control
- Solid non-marking tires
- 4*4 wheel drive
- Auto brake system
- Emergency pump
- Lanyard attachment points
- Emergency stop
- Drive flashing beacons
- Motion alarm
- Electronic horn
- Descent alarm
- Descent protection
- Tilt level sensor with audible alarm
- Overload protection system
- On-board diagnosis system
- Oil pipeline explosion-proof
- Folding rails on platform
- Safety brackets

Power

- 36 kw engine

Options

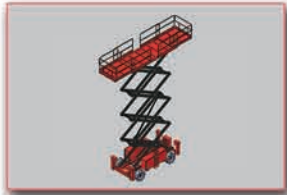
- Hydraulic-engine set
- Airline to platform
- GPS module
- Obstacle alarm
- Platform flashing beacon
- Outriggers



Lower Lift Height



Bigger extension deck



More powerful, with differential function



Small Turning Radius



Strong Gradeability



Lower weight



Safety Bracket



Optimized Hydraulic Circuit