

COMPACT SCISSOR LIFTS

TOP 12

S 121

Working height 12 m

S 151

Working height 15 m

S 171

Working height 17 m



TOP 12

Width 1.20 m

Optional: automatic
Levelling system



TYPE	S121-12E	S151-12E HT	S171-12E
Working height	12.10 m	15.01 m	17.03 m
Platform height	10.10 m	13.01 m	15.03 m
Drive in full height	Ja/Yes	Ja/Yes	Ja/Yes
Platform height stowed	1.52 m	1.70 m	1.89 m
Platform capacity	350 kg	550 kg	400 kg
Capacity on platform extension	150 kg	550 kg	400 kg
Platform size	2.60 x 1.19 m	2.90 x 1.19 m	2.90 x 1.19 m
Platform extension - one-side	1.00 m	1.00 m	1.00 m
Overall width	1.20 m	1.20 m	1.20 m
Overall length	2.73 m	2.95 m	2.95 m
Max. angle of turn	90 Grad	90 Grad	90 Grad
Turning radius outside	2.50 m	2.82 m	2.82 m
Overall height lowered	2.65 m	2.90 m	3.06 m
Overall height rails down	1.84 m	2.06 m	2.23 m
Ground clearance center	150 mm	150 mm	150 mm
Gross weight	2.880 kg	5.400 kg	4.670 kg
Motor	8KW 48V 1500 rpm	8KW 48V 1500 rpm	8KW 48V 1500 rpm
Capacity	48V 200Ah5	48V 200Ah5 opt. 400Ah5	48V 200Ah5 opt. 400Ah5
Gradeability	25 %	25 %	25 %
Levelling System	-	-	-
Levelling stroke	-	-	-
Height compensation	-	-	-
Max.bearing load (outrigger)	-	-	-

Stand 09/2009



Technical Standard:

- Dual scissor-system / middle positioned cylinder
- Teflon coated, maintenance-free
- Proportional motor rotation speed
- Front wheel drive
- Spring operated brakes
- Dual processor control system
- Powder coated
- Corrosion protection

Operation Standard:

- Proportional control (driving / lifting / lowering)
- 90 degrees steering angle
- Fully automatic charger, pufferable
- Full discharging batteries protection
- Non marking tires
- Fold-away guardrails
- Lifting lugs
- Control-socket on platform and base frame
- Control board on base frame
- Working height limitation (1/1 m)
- Operation-hours counter

Safety Standard:

- Incline control - automatic shutdown lifting
- Weight control (permanent) for platform and scissor-system
- Crushing protection at the lifting system
- Emergency operation electric and manual
- Pothole protection
- Additional battery main switch at the chassis

CE Manufactured within EG-directives 98/37/EG.
Certificated according to EN 280.
Subject to change without notice.



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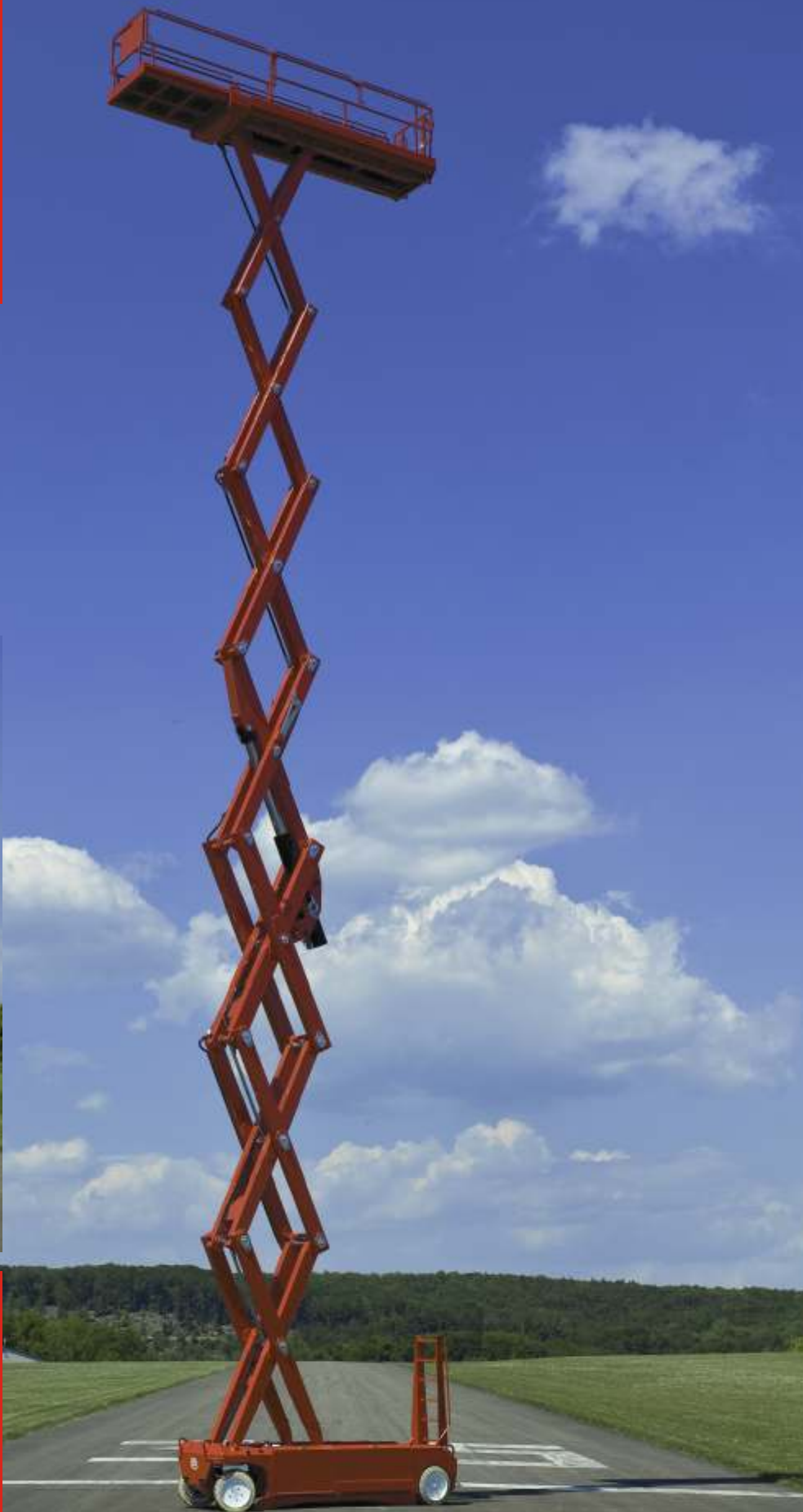
TOP 12

S 195

Working height 19.50 m

S 225

Working height 22.50 m



TOP 12

Width 1.20 m

Optional: automatic
Levelling system



TYPE	S195-12E	S225-12E
Working height	19.50 m	22.50 m
Platform height	17.50 m	20.50 m
Drive in full height	Ja/Yes	Ja/Yes
Platform height stowed	2.31 m	2.56 m
Platform capacity	600 kg	450 kg
Capacity on platform extension	450 kg	450 kg
Platform size	3.98 x 1.19 m	3.98 x 1.19 m
Platform extension - one-side	1.50 m	1.50 m
Overall width	1.20 m	1.20 m
Overall length	4.14 m	4.14 m
Max. angle of turn	90 Grad	90 Grad
Turning radius outside	3.89 m	3.89 m
Overall height lowered	3.47 m	3.72 m
Overall height rails down	2.64 m	2.89 m
Ground clearance center	190 mm	190 mm
Gross weight	9.500 kg	9.750 kg
Motor	16KW 48V 1500 rpm	16KW 48V 1500 rpm
Capacity	48V 560Ah5 Aquamatik	48V 560Ah5 Aquamatik
Gradeability	25 %	25 %
Levelling System	-	-
Levelling stroke	-	-
Height compensation	-	-
Max.bearing load (outrigger)	-	-

Stand 09/2009



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ES-SERIE

Niveausausgleich
Levelling-System

Arbeitshöhe / Working height
13.00 m - 22.50 m



ES-SERIE

Breites Einsatzspektrum / Wide Range of Applications



Das patentierte PB-System bietet bis zu 200 mm Niveaueausgleich. Mit nur einem Knopfdruck nivelliert sich die Maschine innerhalb weniger Sekunden automatisch in einen Bereich von 0.0-0.5 Grad. Dies ermöglicht einen exakt senkrechten bzw. parallelen Hub zum Objekt bei optimaler Standsicherheit. Die ES-Serie kann ebenfalls wie eine "normale" Scherenbühne eingesetzt werden und ist damit (wie alle PB-Modelle) in voller Höhe verfahrbar.

The patent-registered PB-System enables a height compensation of 200 mm. At the push of a button the machine is automatically within a range of 0.0-0.5 degrees in a few seconds. That enables an exact vertical or parallel lift to the object at an optimal stability. As well the ES-Series can also be used just like a "normal" scissor platform and can be traveled (just like all PB models) at full height.



TOP 16 (Breite/width 1.60 m)

TOP 12 (Breite/width 1.20 m)

Type	S131-16ES HT	S151-16ES HT	S171-16ES	S151-12ES HT	S171-12ES	S195-12ES	S225-12ES
Arbeitshöhe / Working height	13.00 m	15.01 m	17.03 m	15.01 m	17.03 m	19.50 m	22.50 m
Plattformhöhe / Platform height	11.00 m	13.01 m	15.03 m	13.01 m	15.03 m	17.50 m	20.50 m
Fahren in voller Höhe / Drive in full height	Ja/Yes	Ja/Yes	Ja/Yes	Ja/Yes	Ja/Yes	Ja/Yes	Ja/Yes
Plattformh. eingef. / Platform height stowed	1.54 m	1.70 m	1.89 m	1.70 m	1.89 m	2.31 m	2.56 m
Hebekapazität / Platform capacity	700 kg	550 kg	400 kg	550 kg	400 kg	600 kg	450 kg
Plattformmaße (LxB) / Platform size	3.08 x 1.58 m			2.90 x 1.19 m		3.98 x 1.19 m	
Plattformausschub / Platform extension	1.00 m	1.00 m	1.00 m	1.00 m	1.00 m	1.50 m	1.50 m
Gesamtbreite / Overall width	1.60 m	1.60 m	1.60 m	1.20 m	1.20 m	1.20 m	1.20 m
Gesamtlänge / Overall length	3.38 m	3.38 m	3.38 m	3.27 m	3.27 m	4.49 m	4.49 m
Lenkeinschlag / Max. angle of turn	90 Grad	90 Grad	90 Grad	90 Grad	90 Grad	90 Grad	90 Grad
Wenderadius / Turning radius outside	3.35 m	3.35 m	3.35 m	2.97 m	2.97 m	4.04 m	4.04 m
Gesamthöhe eingef. / Overall height lowered	2.70 m	2.90 m	3.06 m	2.90 m	3.06 m	3.47 m	3.71 m
Gesamthöhe Transp. / height rails down	1.86 m	2.06 m	2.23 m	2.06 m	2.23 m	2.64 m	2.89 m
Gesamtgewicht / Gross weight	5.050 kg	5.530 kg	5.590 kg	5.260 kg	5.120 kg	9.750 kg	10.290 kg
Motorleistung / Motor	8KW 48V 1500 rpm			8KW 48V 1500 rpm		16KW 48V 1500 rpm	
Batteriekapazität / Capacity	48V 200Ah5 opt. 400Ah5			48V 200Ah5 opt. 400Ah5		48V 560Ah5 Aquamatik	
Steigfähigkeit / Gradeability	25 %	25 %	25 %	25 %	25 %	25 %	25 %
Niveaueausgleich / Levelling System	autom.	autom.	autom.	autom.	autom.	autom.	autom.
Stützhub Gesamt max. / Levelling stroke	350 mm	350 mm	350 mm	350 mm	350 mm	400 mm	400 mm
Höhenausgleich max. / Height compensation	200 mm	200 mm	200 mm	200 mm	200 mm	200 mm	200 mm
Max. Stützlast / max. bearing load	17 KN	17 KN	17 KN	16 KN	16 KN	32 KN	32 KN

Stand 09/2009

CE Gebaut im Rahmen der EG-Maschinenrichtlinie 98/37/EG, geprüft nach EN 280. Technische Änderungen behalten wir uns vor.
 Manufactured on base of EG directive. Tested and accepted according to EN 280. Subject to change without notice.