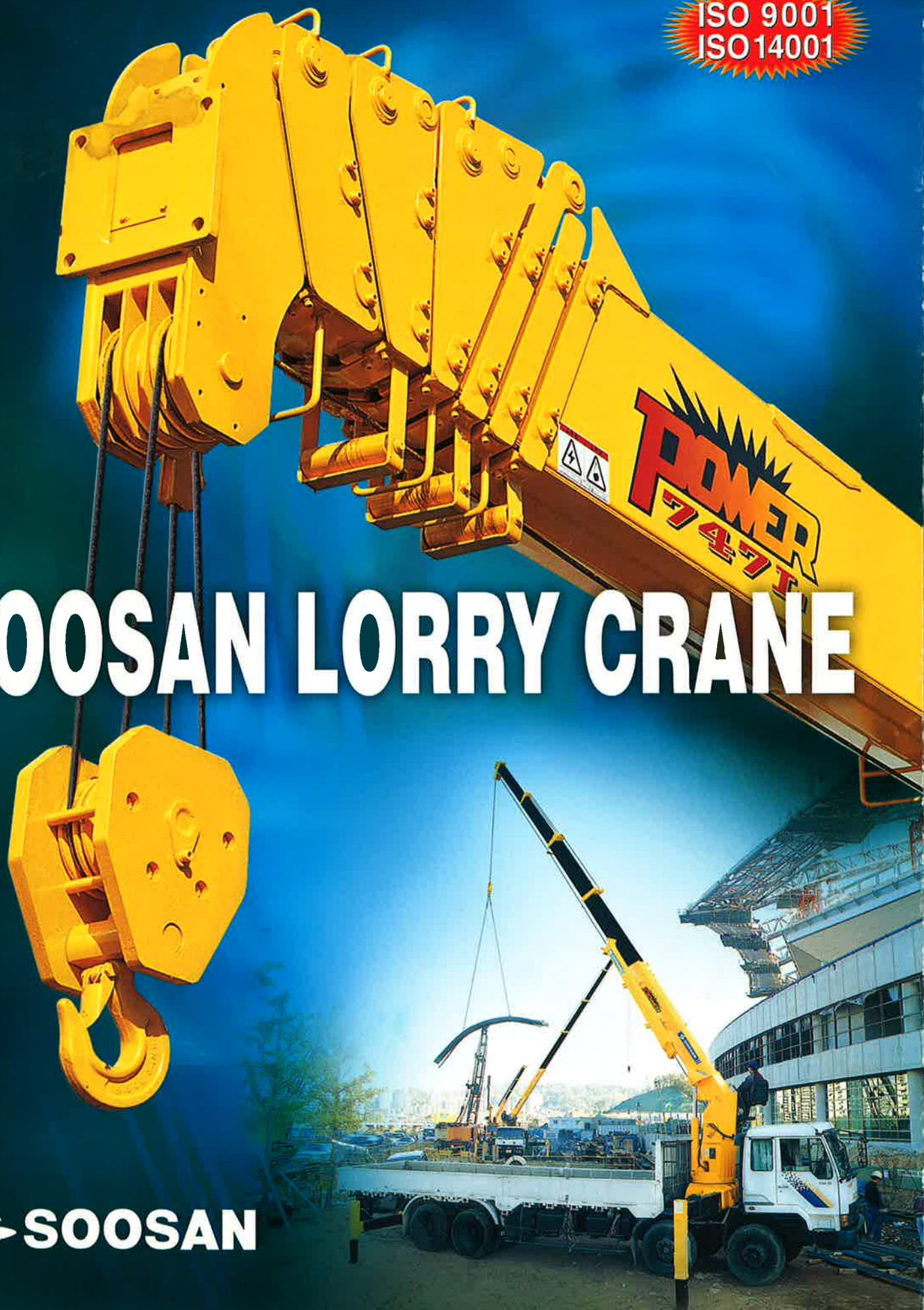


ISO 9001
ISO 14001

SOOSAN LORRY CRANE

 **SOOSAN**



Outstanding Features

SOOSAN Crane features a remarkable lifting power and rugged durability.

Optimum design by FEM (Finite Element Method, load-stress distribution simulation) maximizes work efficiency.

Powerful Derricking

- Powerful and smooth derrick cylinder.
- Optimum position of a derrick pin secures enough space for loading and maximizes lifting moment.
- Overcenter Valve installed.
- Double derrick cylinders for large class models : SCS746L~SCS1716



Swing Bearings

- Smooth slewing
- Excellent durability : Specially heat-treated swing bearing.
- Locking cylinder installed (SCS736~SCS867LS)
- Disk Brake system installed (SCS1015S~SCS1716)

Extra-Wide Outrigger

Extra-wide outrigger ensures stable operation on uneven or sloping ground.
: Max. 7.1m (SCS1716)



Control Levers

Control levers are positioned for easy and efficient operation.

Main Boom

Wide range of boom types for various working environments : from 3-stage to 6-stage boom with square / pentagonal / hexagonal cross-sectional profile.



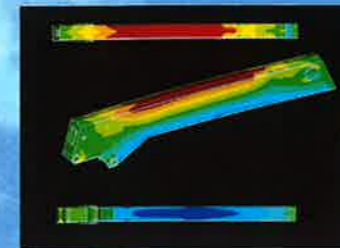
Automatic Acceleration System

Without using acceleration lever, speed can be controlled from idling to full-throttling, which saves fuel consumption and provides better work efficiency.



Diverter Valve

- Cuts off hydraulic circuit for outriggers, when crane works, prevents an accident by careless operation.
- Improves efficiency of a hydraulic system : less oil passage reduces oil pressure loss and heat-generation. (above SCS736)



Strong Boom Construction

Use of a high-tensile steel (840N/mm²) and optimum design by FEM provide remarkable lifting capacity and extra-strong boom strength.

SOOSAN

POWER 746L



Silent Line-Pull Winch

- Low noise, silent winch.
- Automatic internal brake installed (SCS263~SCS1015LS)
- 2speed winch (above SCS1015S)

Option

SOOSAN offers a wide range of options to completely satisfy any requirement, regardless of the work conditions.

Overwinding Prevention Device

This safety device automatically stops winch hoisting up, boom extension and boom elevation, when the hook block approaches the boom head.



Auxiliary Winch

Auxiliary winches to have various lifting works done efficiently.



Rear Outrigger

For wide-working range and better stability on uneven or sloping ground.



Jib Boom

Jib boom provides wider working range.



Utility Pole Support

Easy to carry timber or utility poles.



Auxiliary Hydraulic Power Port

Enables using other hydraulic tools such as hand breaker, hand auger, hand saw, water pump, concrete cutter and etc. without an additional compressor.



Remote Controller

Proportional remote control system enables accurate operation at a safe distance.



Working Lights

45 watt working lights provide the safe operation at night work and dark place.



SCS263

Lifting Capacity (kg | m) 2200 | 1.9 1660 | 2.5 910 | 4.4 540 | 6.2

SCS323

Lifting Capacity (kg | m) 3200 | 2.6 2530 | 3.0 1560 | 5.2 850 | 7.4

SCS324

Lifting Capacity (kg | m) 3200 | 2.6 2340 | 3.1 1350 | 5.3 800 | 7.5 600 | 9.7

SCS333

Lifting Capacity (kg | m) 3200 | 2.6 2530 | 3.0 1560 | 5.2 850 | 7.4

SCS334

Lifting Capacity (kg | m) 3200 | 2.6 2340 | 3.1 1350 | 5.3 800 | 7.5 600 | 9.7

SCS335

Lifting Capacity (kg | m) 3200 | 2.5 2210 | 3.4 1280 | 5.7 750 | 7.8 550 | 10.0 290 | 12.1

SCS513

Lifting Capacity (kg | m) 5500 | 2.0 3400 | 3.2 1890 | 5.6 1200 | 8.0

SCS736

Lifting Capacity (kg | m) 6000 | 2.6 4020 | 3.6 2440 | 6.0 1600 | 8.4 1010 | 10.8 730 | 13.1 610 | 15.4

SCS736L II

Lifting Capacity (kg | m) 6000 | 2.5 3700 | 4.3 1940 | 7.2 1190 | 10.2 720 | 13.0 490 | 15.9 350 | 18.8

Description		Unit	SCS 263	SCS 323	SCS 324	SCS 333
Capacity	Max. Lifting Capacity	ton · m	4.2	8.2	8.0	8.2
	Max. Lifting Height	m	8.0	9.5	11.8	9.6
	Max. Working Radius	m	6.2	7.4	9.7	7.4
	Max. Working Height	m	8.2	10.0	12.3	10.1
Boom	Type / Section		Penta / 3	Penta / 3	Penta / 4	Penta / 3
	Extending Speed	m/sec	3.7 / 11	4.4 / 14	6.6 / 14	4.4 / 14
	Raising Speed	°/sec	1-80 / 7		1-80 / 9	
Winch	Hook Speed	m/min (Layer / Line)	17 (4/3)		17 (4/4)	
	Wire Rope	6x Fi(29) IWRC	φ 8x33m		φ 8x80m	
Slewing	Slewing Range		360° Continuous			
	Slewing Speed	rpm	2			
	Type		Hydraulic motor driven, Worm and spur gear reduction			
Outrigger	Type	Front	Horizontal Manual	Fully Hydraulic		
		Rear	Option	Option		
	Max. Expanded Span	m	3.12	3.88		4.09
Hydraulic System	Rated Flow	ℓ / min	37		50	
	Rated Pressure	kgf/cm ²	200		200	
Oil Tank Capacity	ℓ		34		50	
Applicable Chassis	ton		2.5~3.5			4.5~8.0
Option	Aux. Boom (3m, Single-stage, Folding type)					
	Aux. Boom (5m, Double-stage, Folding type)					
	Aux. Boom (4m, Single-stage, Folding type)					
	Aux. Winch (Single line pull : 800kgf)					
	Aux. Winch (Single line pull : 1500kgf)					
	Overloading Prevention Device		●	●	●	●
	Remote Control (Wire / Wireless)		●	●	●	●
	Single Line Hook (800kgf)		●	●	●	●
	Single Line Hook (1500kgf)					
	Single Line Hook (2000kgf)					
	Overwinding Alarm Device		●	●	●	●
	Top Seat					
	Rear Outrigger		Manual	Manual, Hydraulic	Manual, Hydraulic	Manual, Hydraulic
	Middle Outrigger					
	Top Seat Engine Starting Device					
Oil Cooler						

Safety Devices

Pressure relief valve for hydraulic circuit, Overcenter valve, Hydraulic swing locking system, Automatic mechanical brake for winch, Pilot check valve for outriggers, Hook safety latch, Boom angle indicator with load indicator, Overwinding alarm system (Option), Overloading prevention device (Option)

• The above specifications are subject to change without prior notice for improvement.

Description		Unit	SCS 334	SCS 335	SCS 513	SCS 736	SCS 736L II
Capacity	Max. Lifting Capacity	ton · m	8.0	7.7	11.0	15.0	15.0
	Max. Lifting Height	m(Aux. Boom)	11.9	14.2	10.1	17.4 (22.4)	20.8 (25.8)
	Max. Working Radius	m(Aux. Boom)	9.7	12.1	8.0	15.4 (20.4)	18.8 (23.8)
	Max. Working Height	m(Aux. Boom)	12.4	14.9	10.8	18.1 (23.1)	21.5 (26.5)
Boom	Type / Section		Penta / 4	Hexa / 5	Square / 3	Hexa / 6	
	Extending Speed	m/sec	6.6 / 14	8.68 / 23	4.8 / 17.5	11.78 / 30	14.5 / 30
	Raising Speed	°/sec		1-80/9	1.5~75 / 10	1-76 / 15	1-76 / 15
Winch	Hook Speed	m/min (Layer / Line)	17 (4/4)		10 (4/6)	14 (4/4)	14 (4/4)
	Wire Rope		φ 8x80m [6x Fi(29) IWRC]		φ 8x70m [6x Fi(29) IWRC]	φ 10x120m [19x7 Non-rotation]	
Slewing	Slewing Range		360° Continuous				
	Slewing Speed	rpm	2				
	Type		Hydraulic motor driven, Worm and spur gear reduction				
Outrigger	Type	Front	Fully Hydraulic		Horizontal Manual	Fully Hydraulic	
		Rear	Option		Option	Fully Hydraulic	Fully hydraulic, Double box type
	Max. Expanded Span	m	4.09		4.0		5.35
Hydraulic System	Rated Flow	ℓ / min	50		65		
	Rated Pressure	kgf/cm ²	200		190		200
Oil Tank Capacity	ℓ		50		50		90
Applicable Chassis	ton		4.5~8.0		5.0~11.0		5.0 and above
Option	Aux. Boom (3m, Single-stage, Folding type)					●	●
	Aux. Boom (5m, Double-stage, Folding type)					●	●
	Aux. Boom (4m, Single-stage, Folding type)						
	Aux. Winch (Single line pull : 800kgf)					●	●
	Aux. Winch (Single line pull : 1500kgf)					●	●
	Overloading Prevention Device		●	●	●	●	●
	Remote Control (Wire / Wireless)		●	●	●	●	●
	Single Line Hook (800kgf)		●	●	●		
	Single Line Hook (1500kgf)						
	Single Line Hook (2000kgf)						
	Overwinding Alarm Device		●	●	●	●	●
	Top Seat					●	●
	Rear Outrigger		Manual, Hydraulic	Manual, Hydraulic	Manual	Hydraulic (Single / Double stage)	STD
	Middle Outrigger						
	Top Seat Engine Starting Device					●	●
Oil Cooler					●	●	

Safety Devices

Pressure relief valve for hydraulic circuit, Overcenter valve, Hydraulic swing locking system, Automatic mechanical brake for winch, Pilot check valve for outriggers, Hook safety latch, Boom angle indicator with load indicator, Overwinding alarm system (Option), Overloading prevention device (Option)

• The above specifications are subject to change without prior notice for improvement.



Description		Unit	SCS 746L	SCS 747L	SCS 866LS	SCS 867LS
Capacity	Max. Lifting Capacity	ton · m	17.5	17.5	17.5	17.5
	Max. Lifting Height	m(Aux. Boom)	21.8 (26.8)	24.5 (29.5)	21.8 (26.8)	24.5 (29.5)
	Max. Working Radius	m(Aux. Boom)	19.6 (24.6)	22.3 (27.3)	19.6 (24.6)	22.3 (27.3)
	Max. Working Height	m(Aux. Boom)	22.6 (27.6)	25.2 (29.2)	22.6 (27.6)	25.2 (30.2)
Boom	Type / Section		Hexa / 6	Hexa / 7	Hexa / 6	Hexa / 7
	Extending Speed	m/sec	15.1 / 33	17.5 / 36	15.1 / 33	17.5 / 36
	Raising Speed	°/sec		1~80 / 12		-16° ~ 79° / 15
Winch	Hook Speed	m/min (Layer / Line)	14 (4/4)			
	Wire Rope		19x7 Non-rotation φ 10x120m			
Slewing	Slewing Range		360° Continuous			
	Slewing Speed	rpm	2		1.8	
	Type		Hydraulic motor driven, Worm and spur gear reduction			
Outrigger	Type	Front	Fully hydraulic		Fully hydraulic, Double box type	
		Rear	Fully hydraulic, Double box type		Fully hydraulic, Double box type	
	Max. Expanded Span	m	5.6		Front : 6.0, Rear : 4.3	
Hydraulic System	Rated Flow	ℓ / min	65			
	Rated Pressure	kgf / cm ²	200			
Oil Tank Capacity	ℓ		120		170	
Applicable Chassis	ton		5.0 and above			
Option	Aux. Boom (3m, Single-stage, Folding type)		●	●	●	●
	Aux. Boom (5m, Double-stage, Folding type)		●	●	●	●
	Aux. Boom (4m, Single-stage, Folding type)		●	●	●	●
	Aux. Winch (Single line pull : 1500kgf)		●	●	●	●
	Aux. Winch (Single line pull : 3000kgf)		●	●	●	●
	Aux. Winch 2-speed (Single line pull : 2000kgf)		●	●	●	●
	Aux. Winch : PD12C (Single line pull : 2700~4100kgf(High))		●	●	●	●
	Overloading Prevention Device		●	●	●	●
	Remote Control (Wire / Wireless)		●	●	●	●
	Single Line Hook (800kgf)		●	●	●	●
	Single Line Hook (1500kgf)		●	●	●	●
	Single Line Hook (2000kgf)		●	●	●	●
	Overwinding Alarm Device		●	●	●	●
	Top Seat		●	●	STD	STD
Rear Outrigger		STD	STD	STD	STD	
Middle Outrigger		●	●	●	●	
Top Seat Engine Starting Device		●	●	●	●	
Oil Cooler		●	●	●	●	

Safety Devices Pressure relief valve for hydraulic circuit, Overcenter valve, Hydraulic swing locking system, Automatic mechanical brake for winch, Pilot check valve for outriggers, Hook safety latch, Boom angle indicator with load indicator, Overwinding alarm system (Option), Overloading prevention device (Option)

• SCS866LS Additional safety devices : Swing locking pin, Boom stopper

• The above specifications are subject to change without prior notice for improvement.



Description		Unit	SCS 1015S	SCS 1015LS	SCS 1516L	SCS1516	SCS 1716	
Capacity	Max. Lifting Capacity	ton · m	36.0	36.0	50.0	50.0	58.0	
	Max. Lifting Height	m(Aux. Boom)	19.6 (23.6)	23 (27)	29.2 (33.9)	27.7 (32.5)	29.7 (34.5)	
	Max. Working Radius	m(Aux. Boom)	17.3 (21.5)	20.7 (24.9)	27.05 (31.8)	24.6 (29.4)	27.4 (32.2)	
	Max. Working Height	m(Aux. Boom)	20.9 (24.9)	24.5 (28.5)	31.65 (36.3)	29.2 (34)	31.3 (36.1)	
Boom	Type / Section		Hexa / 5		Hexa / 6			
	Extending Speed	m/sec	12.6 - 30	15.1 / 40	20.4 / 45	18.9 / 45	20.92 / 55	
	Raising Speed	°/sec		0~81 / 20	-11~80 / 25	0~81 / 20	-11~80 / 25	
Winch	Hook Speed	m/min (Layer / Line)	low : 13, high : 23 (4/4)					
	Wire Rope		φ 14 x 100m		φ 14 x 130m			
Slewing	Slewing Range		360° Continuous					
	Slewing Speed	rpm	2		1.8		2	
	Type		Hydraulic motor driven, Worm and planetary gear reduction			Hydraulic motor driven, planetary gear reduction		
Outrigger	Type	Front	Fully Hydraulic (2 section)					
		Rear	Fully hydraulic, Double box type					
	Max. Expanded Span	m	6.18		7		6.35	7.1
Hydraulic System	Rated Flow	ℓ / min	100X100					
	Rated Pressure	kgf / cm ²	210					
Oil Tank Capacity	ℓ		250		270			
Applicable Chassis	ton		11.0 and above		19.0 and above (4-wheel steering vehicle)			
Option	Aux. Boom (3m, Single-stage, Folding type)		●	●	●	●	●	
	Aux. Boom (5m, Double-stage, Folding type)		●	●	●	●	●	
	Aux. Boom (4m, Single-stage, Folding type)		●	●	●	●	●	
	Aux. Winch 2-speed (Single line pull : 3000kgf)		●	●	●	●	●	
	Aux. Winch : BG8 (Single line pull : 2.2~3.2ton)		●	●	●	●	●	
	Aux. Winch : PD12C (Single line pull : 2700~4100kgf(High))		●	●	●	●	●	
	Overloading Prevention Device		●	●	●	●	●	
	Remote Control (Wire / Wireless)		●	●	●	●	●	
	Single Line Hook (800kgf)		●	●	●	●	●	
	Single Line Hook (1500kgf)		●	●	●	●	●	
	Single Line Hook (2000kgf)		●	●	●	●	●	
	Overwinding Alarm Device		●	●	●	●	●	
	Top Seat		STD	STD	STD	STD	STD	
	Rear Outrigger		STD	STD	STD	STD	STD	
Middle Outrigger		●	●	●	●	●		
Top Seat Engine Starting Device		●	●	●	●	●		
Oil Cooler		●	●	●	●	●		

Safety Devices Pressure relief valve for hydraulic circuit, Overcenter valve, Hydraulic swing locking system, Automatic mechanical brake for winch, Pilot check valve for outriggers, Hook safety latch, Boom angle indicator with load indicator, Overwinding alarm system (Option), Overloading prevention device (Option)

• SCS867LS Additional safety devices : Swing locking pin, Boom stopper

• The above specifications are subject to change without prior notice for improvement.