

# SPIDER 22.10

SELF-PROPELLED AERIAL WORK PLATFORMS

## NEW EVO VERSION

More power and less weight

- Extra light easy to be towed
- 230 kg basket capacity
- Electric or Hybrid version available on demand

## EASY MAINTENANCE

- Easy access to any maintenance compartment
- Easy to use with smooth and precise controls.



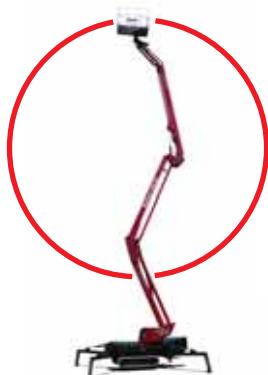
**PLATFORM**  
BASKET

# SERIE SPIDER 22.10

## BEST PERFORMANCES

### 1. Articulated with double pantograph and flying jib.

- 10 m "up & over" working area with 230 Kg load capacity
- vertical lifting of the basket, raising up to 10 m like a scissor-lift
- high comfort on board thanks to the precise flying jib and the basket rotation
- Fast opening and closing



### 2. User friendly

- Drive and automatic stabilization and destabilization are operated by radio remote control with self-diagnostic
- The aerial movements are operated by the same radio remote control
- Proportional hydraulic movements



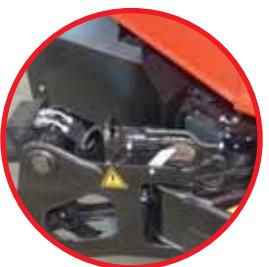
### 3. Attention to the details

- Lightweight & compact design. Road towable with light trailers.
- Air & Water & 220 or 110 Vac outlets into the basket as main standards
- Cranked outrigger design for increased ground clearance
- Protected against falling objects by strong metal shields.
- Pipes & cables fully protected inside the booms.



### 4. Multi-width stabilizers setting

- Triple stabilization set-up and automatic outreach control to enable the machine set up in any confined space
- No restrictions
- 360° of rotation angle available with 230 Kg into the basket



### 5. Automatic & proportional side outreach.

- The safety system automatically reduce the outreach by monitoring always the weight into the basket and the residual load on each foot by a means of load cells



### 6. Combustion Kubota diesel engine with 3 mode of use.

- Water cooled 2 cylinder Kubota diesel engine with automatic accelerator to reduce the emissions and fuel consumptions
- High power density (14Hp) allows more than one movement at the same time
- Possibility to choose 3 different speed: slow, automatic and fast



### 7. Multiple power solutions on demand

- the model has been studied to offer a solution for different kind of application
- Standard: combustion engine + 220 or 110 vac electric motor pump
- ACDC : 24 v/ 240 Ah lead acid deep battery power pack + 220 or 110 vac electric motor pump
- Hybrid: combustion engine + 24 v/ 240 Ah lead acid deep battery power pack

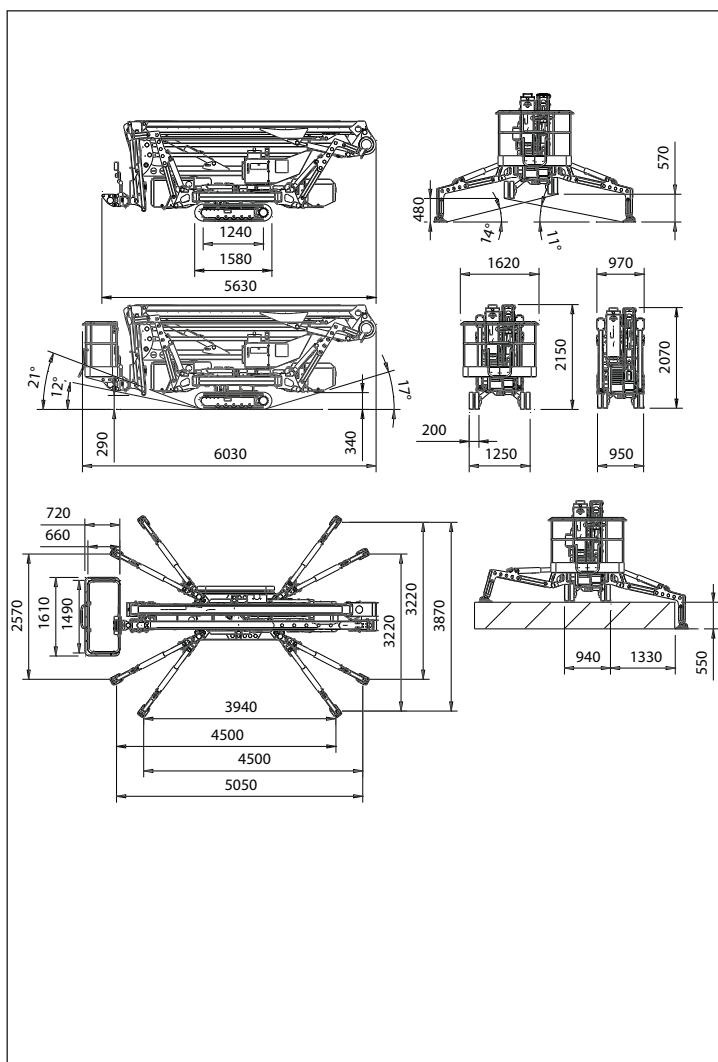


### 8. Hydraulically extending under carriage

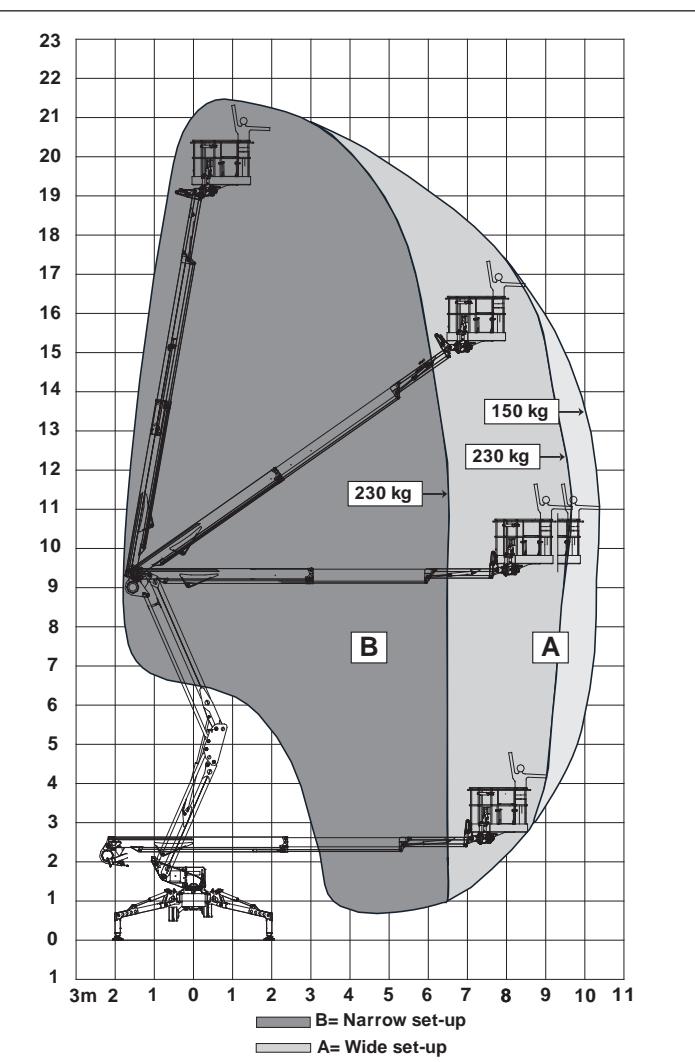
- When the tracks are fully retracted and the booms fully stowed, the height is only 2070 mm instead of 2150 mm and the width is 950 mm instead of 1250 mm.
- The diagonal movement of the hydraulic tracks allows an higher distance from the ground



## OVERALL DIMENSIONS



## WORKING ENVELOPE



## OPERATIONS



# SERIE SPIDER 22.10

TECHNICAL DATA		VERSION			STANDARD EQUIPMENTS			VERSION		
		STD	E	ED				STD	E	ED
Max working height	m		21,70		Articulated with double lower pantograph, upper telescopic boom and flying jib			•		
Max height basket floor	m		19,70		Radio remote control for all machine functions drive, set-up and boom movements.			•		
Max side outreach	m		10,30		Hydraulically extending under carriage			•		
Rotation angle	°		365		Proportional drive speed with smooth adjustment.			•		
Basket size (standard version)	m		1,50 x 0,70		Triple stabilization set-up and automatic monitoring device.			•		
Basket rotation angle	°		90+90		Auto-stabilization by radio remote control.			•		
Max basket capacity (2 men)	Kg		230		Light alu basket and easily detacheable (1,5X0,7m)			•		
Length in stowed position (with detached basket)	m	5,97			Spare radio remote control batteries (2 supplied with charger included).			•		
Min width in stowed position	m	0,98			On board cable to convert the transmitter in wired remote control. available in the basket.			•		
Min height in stowed position	m	2,06			Protected against falling objects by strong metal covers.			•		
Stabilization foot-print	m	wide 3,87 x 3,94 narrow 2,57 x 5,05			Pipes & cables fully protected inside the booms.			•		
Max gradeability	deg / %	16° (29%)			Electric outlets available into the basket 230/110Vac			•		
Max side gradeability	deg / %	17° (31%)			Air & water outlets into the basket (high pressure)			•		
Max speed	Km/h	1,50	0,80	1,50	Electric motorpump 220Vac/3hp for indoor use	•	•	--		
WEIGHTS		STD	E	ED	Deep-cycle batteries 24Vdc, electric power-pack for indoor use.	--	•	•		
Weight in working config.*	Kg	2980*	3260*	3260*	Battery charger 24Vdc with power selector.	--	•	•		
Ground pressure stowed machine (narrow tracking)	KN/m <sup>2</sup>	2,94	3,21	3,21	EXTRAS - ON DEMAND			STD	E	ED
Ground pressure when on stabilizers.	KN/m <sup>2</sup>	1,91	2,09	2,09	Non-marking tracks for delicate surfaces	•	--	•		
Max point load per outrigger plate	KN	21	23	23	Electric emergency descent kit 24Vdc	•	--	--		
POWER		STD	E	ED	Basket working light			•		
Engine iGX440 Honda Petrol	hp/rpm'	13/3600	-	--	Remote diagnostics and fleet management			•		
Engine D602 Kubota diesel	hp/rpm'	14/3600	-	14/3600	Anticollision device fitted to the basket.	•	•	•		
Electric motor 230 Vac	hp/KW	3 / 2,2	3 / 2,2	-	Over-sized nylon plates (40x40cm)	•	•	•		
Electric motor 24 Vdc	hp/KW	-	7,4 / 5,5	7,4 / 5,5	Biodegradable oil	•	•	•		
Battery capacity 24Vdc lead/acid 24Vdc lithium-ion	Ah Ah	- -	2 x 210 400	1 x 210 300	Arctic lubricants for cold climate	•	--	•		
Battery charger - lead/ battery Battery charger - Lithium-ion	Ah Ah	- -	45 100/50	45 100/50	single man alu detacheable basket (0,80x0,70m)			•		
* Some weights may differ due to the chosen optionals.					Lithium-ion battery pack for longer working cycle	--	•	•		
APPROVALS										
Europe EN280 - Canada: CS-B354 - Australia: AS14.18										



#### STD

- Combustion engine
- Electric motor-pump single phase 230/110 Vac



#### E - ELECTRIC

- Electric motor-pump single phase 230/110 Vac
- Electric pump 24Vdc with deep cycle battery



#### ED - HYBRID

- Combustion engine
- Electric pump 24Vdc with deep cycle battery



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