

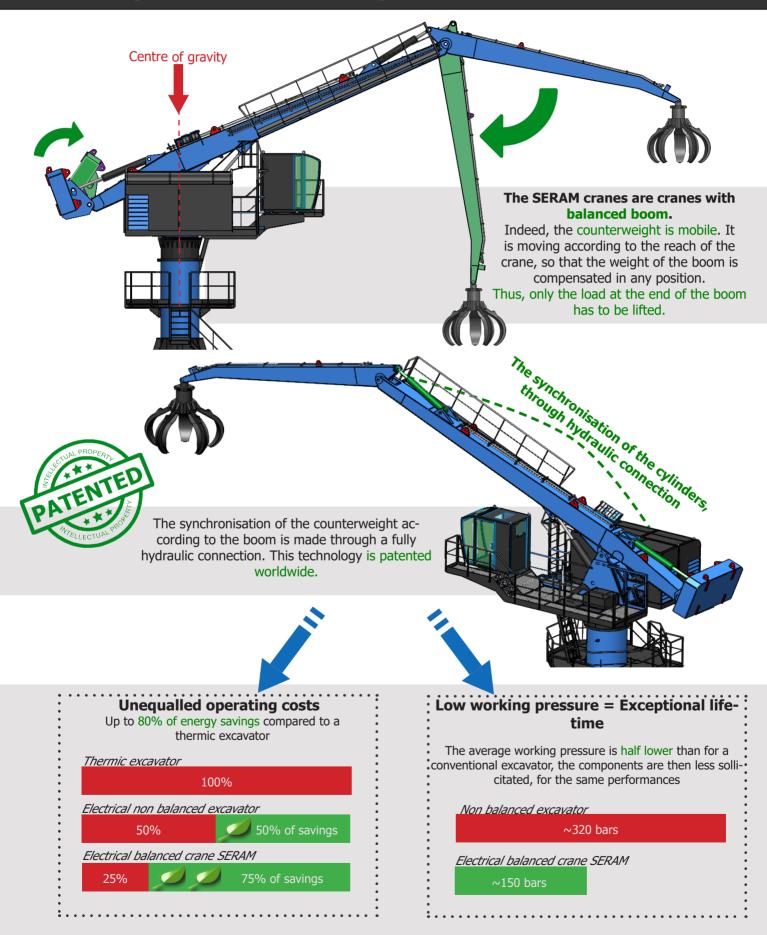
EQUILIBRIUM HANDLING CRANE

# Equilibrium SERIES ES215, ES216, ES217, ES218



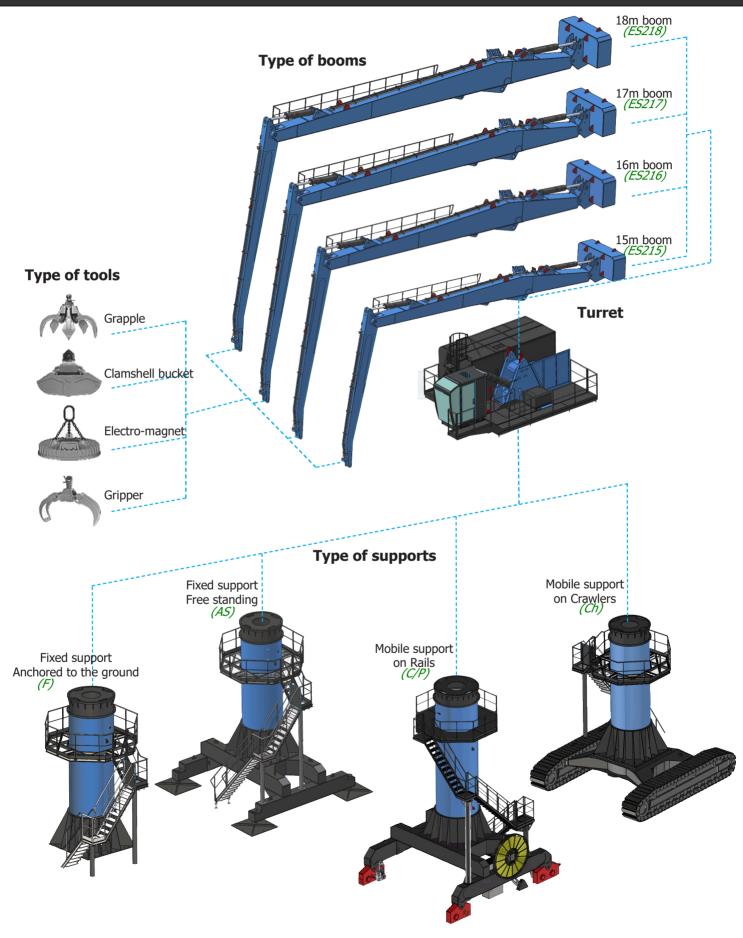


#### The Hydraulic Balance System

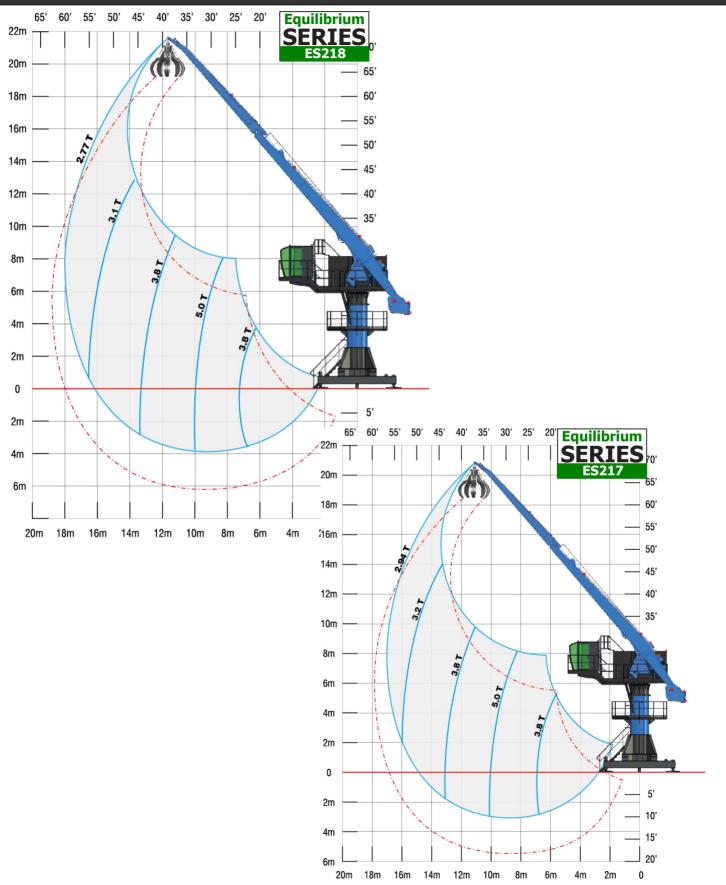




### The different components



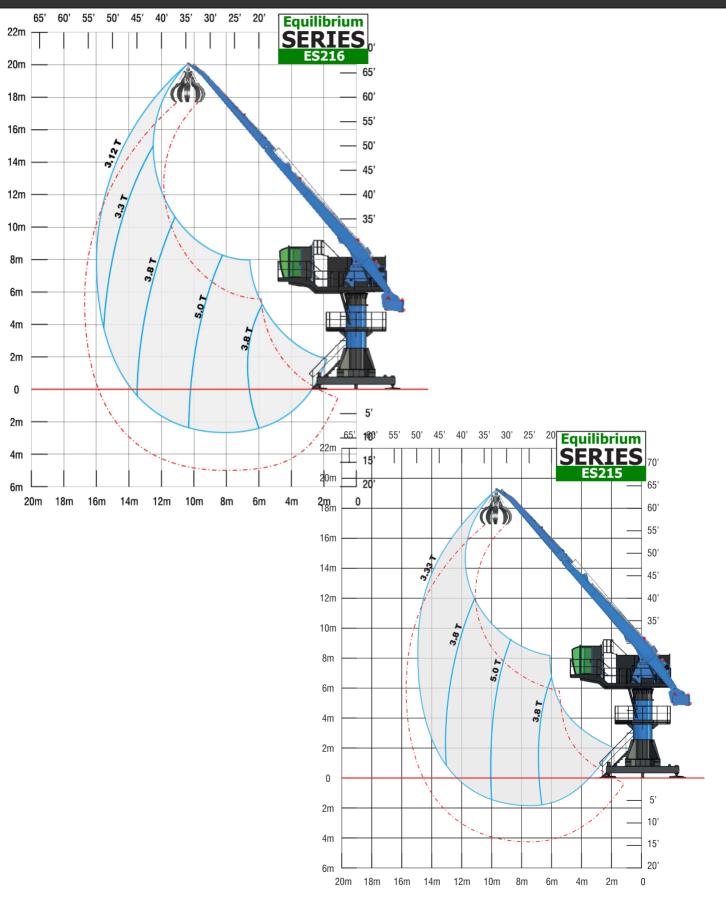




## Load chart



#### Load chart





### **Technical data**

NERAL FEATURES	ES215	ES216	ES217	ES218
Power	50 t/m	50 t/m	50 t/m	50 t/m
Horizontal maximum reach	15 m	16 m	17 m	18 m
Lifting capacity at full reach	3.33 t	3.12 t	2.94 t	2.77 t
Length of the main arm	8.5 m	9 m	9.5 m	10 m
Length of the dipper arm	6.5 m	7 m	7.5 m	8 m
Weight (with free standing support)	40 t	42 t	44 t	46 t
ECTRICAL SYSTEM				
Power of the main electrical motor	55 kw			
Type of start of the main motor	Star-delta or speed drive			
Voltage	400V / 480V / 600V - 50Hz/60Hz			
DRAULIC SYSTEM				
Pumps for the movements of the boom	105 сс			
Average working pressure	130 bars			
Pump for rotation	75 cc			
Capacity of the tank	800 litres			
Filtration	1 filter of 10 microns			
Cooling system	In line			
Lubricating system	1 group with 3 separate circuits			
TATION				
Rotation motor	1 motor MS35			
Ø of the ring gear	Ø 1250mm			
Rotation speed	4 rpm			
LINDERS				
Type of cylinders	Ø170mm x Ø120mm x 1450mm			
PE OF SUPPORT				
Fixed support anchored to the ground	•••••••••••••••••••••••••••••••••••••••	x 2.3m - Ht: 6m		
Fixed support, free standing	Chassis of 4.5m x 4.5m - Ht: 6m			
Mobile support on rails	Trolley of 4.5m x 4.5m - Ht: 6m			
Mobile support on crawlers	Upon	request		

#### **OPERATING CABIN**

- New raised and advanced operating cabin, in order to optimize the overview in the different feeding areas (shears, shredders, vessels, etc...).

- Large glazed area, athermic and safety type.

- Comfortable standard equipment: manipulators with control console, reversible air conditioning, control and monitoring screen, adjustable driver seat, MP3 player, etc...





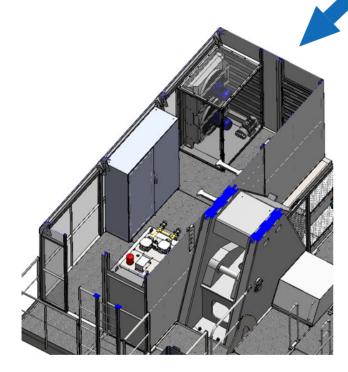
SERAM

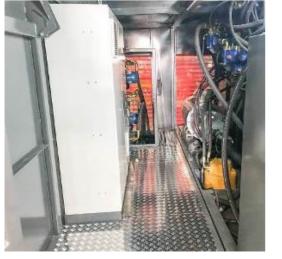
#### **Technical data**

#### **MACHINE ROOM**

The machine room now includes the entire motor pump group, but also the coolers and the electrical cabinet. A set designed for easy and accessible maintenance.

This machine room can be thermally insulated and equipped with a heating system, for use in the cold countries.

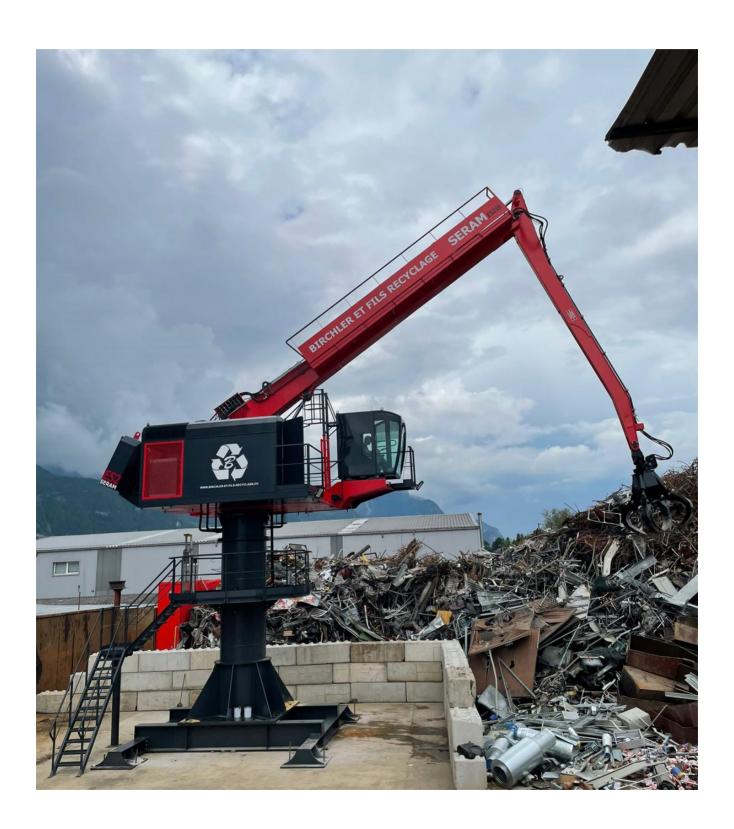




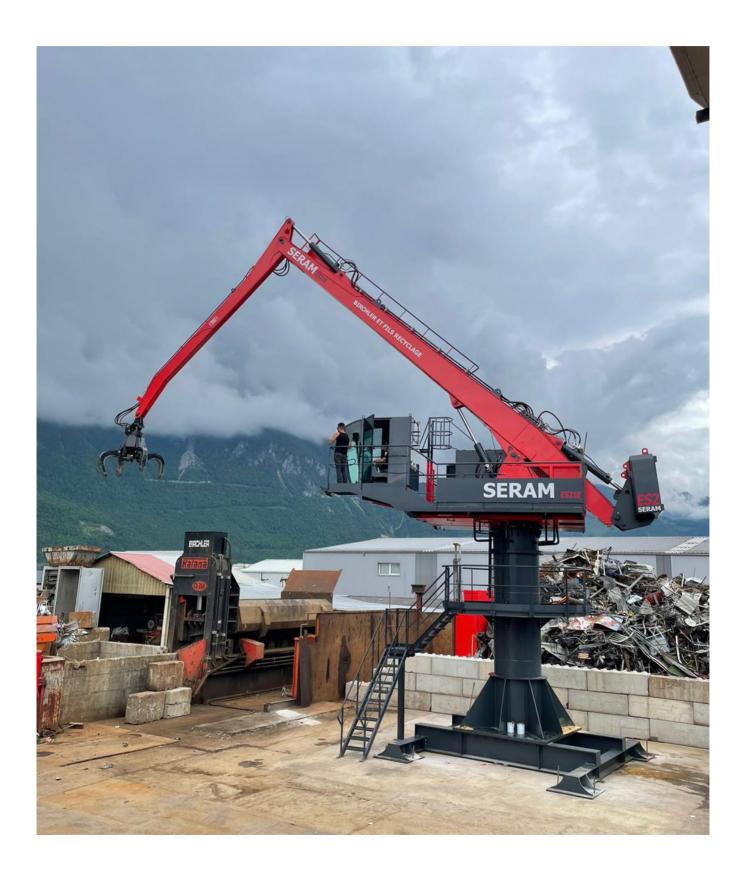
























SERAM did not wait for the climate emergency to manufacture clean machines, since SERAM has chosen electricity to power its cranes from 1973.

**SERAM** patented **the balanced boom in 1984**, saving 45% of electrical energy\*.

SERAM - An Ecological and Economic Awareness







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