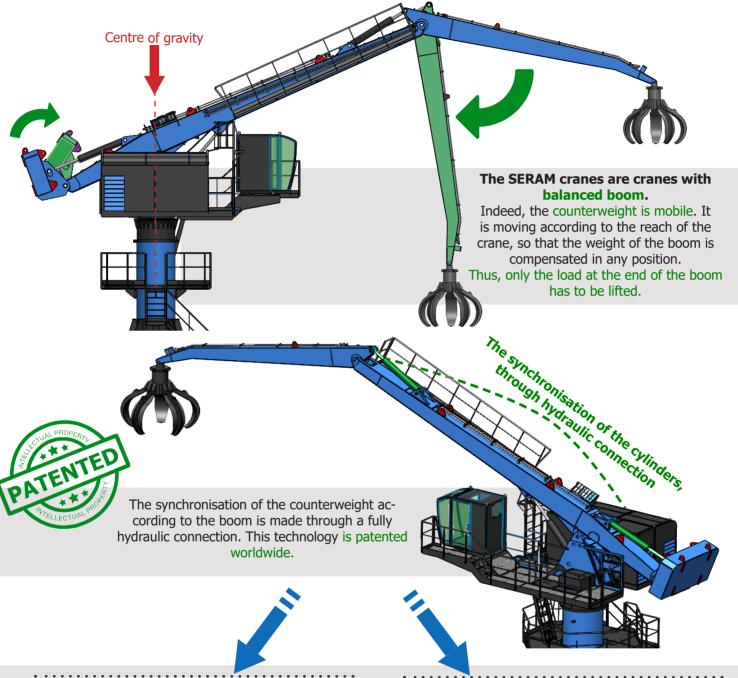


**EQUILIBRIUM HANDLING CRANE** 

SERIES -ES925, ES930, ES935

SERAM L'EXPERIENCE

### The Hydraulic System



#### Unequalled operating costs

Up to 80% of energy savings compared to a thermic excavator

Thermic excavator

100%

Electrical non balanced excavator

50%



50% savings

Electrical balanced crane SERAM

25%



75% savings

#### Low working pressure = Exceptional lifetime

The average working pressure is half lower than for a conventional excavator, the components are then less sollicitated, for the same performances

Non balanced excavator

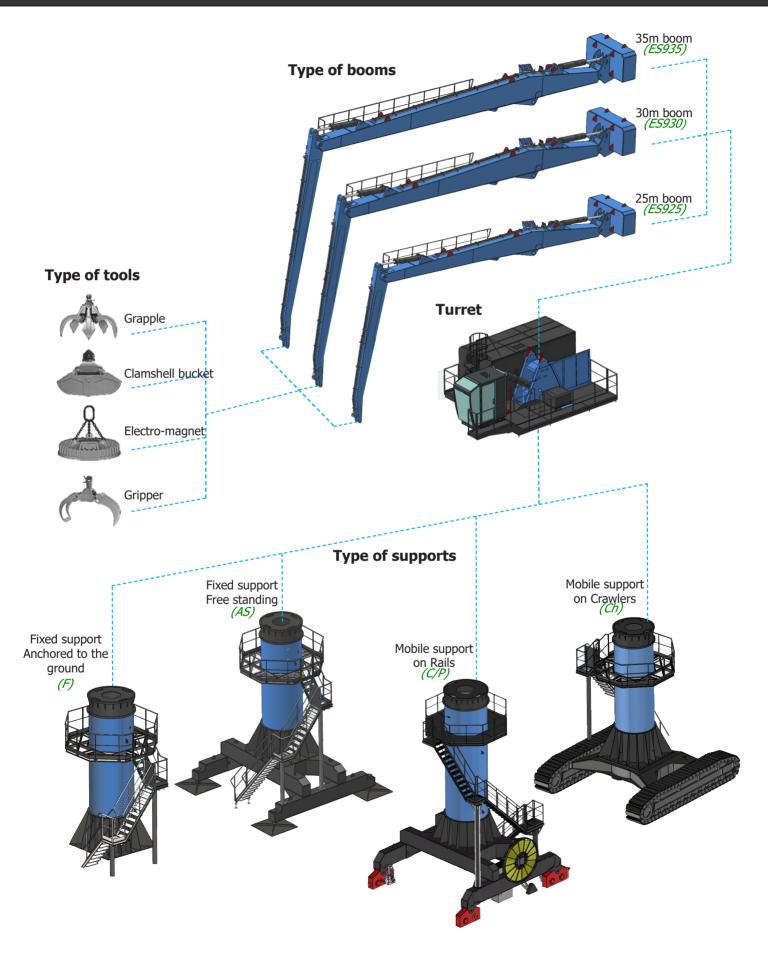
~320 bars

Electrical balanced crane SERAM

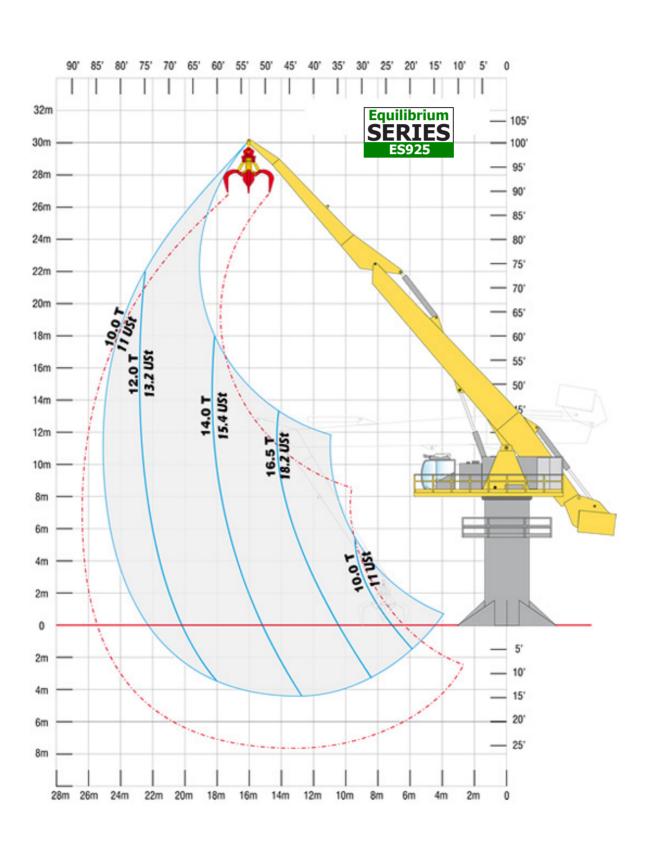
~150 bars

# SERIES 9

## The different components

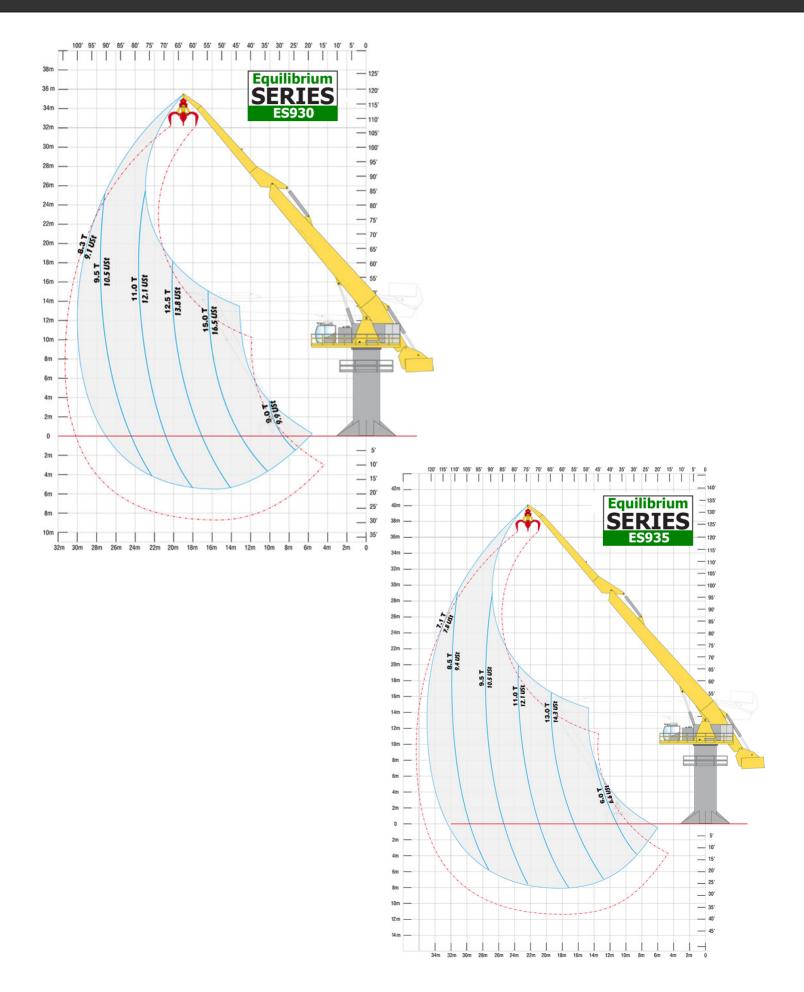


## **Load chart**



# SERIES 9

## **Load chart**



ES935 250 t/m 35 m 7.1 t 20 m 15 m

*234 t* I

## **Technical data**

GENERAL FEATURES	ES925	ES930	
Power	250 t/m	250 t/m	
Horizontal maximum reach	25 m	30 m	
Lifting capacity at full reach	10 t	8.3 t	
Length of the main arm	14 m	17 m	
Length of the dipper arm	11 m	13 m	
Weight (with free standing support)	208 t	221 t	
ECTRICAL SYSTEM	 	 	
Power of the main electrical motor	315 kW		
Type of start of the main motor	Star-delta or speed drive		
Voltage	400V / 480V / 600V - 50Hz/60Hz		
YDRAULIC SYSTEM			
Pumps for the movements of the boom	NC		
Average working pressure	220 bars		
Pump for rotation	NC		
Capacity of the tank	2500 litres	• • • • • • • • • •	
Filtration	2 filters of 10 microns		
Cooling system	In line		
Lubricating system	1 groups with 3 separated	circuits	
OTATION			
Rotation motor	2 motors MS125		
Ø of the ring gear	Ø 3070 mm		
Rotating speed	4 rpm		
YLINDERS			
Type of cylinders	320mm x 210 mm x 275	50mm	
YPE OF SUPPORT			
Fixed support anchored to the ground	Base de 5m x 5m - Ht: 10m		
Fixed support, free standing		Chassis of 10m x 10m - Ht: 10m	
Mobile support on rails	Trolley of 10m x 10m - Ht: 10m		
Mobile support on crawlers	Upon request	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...



# SERIES 9

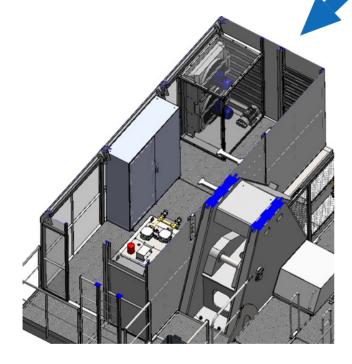
### **Technical data**

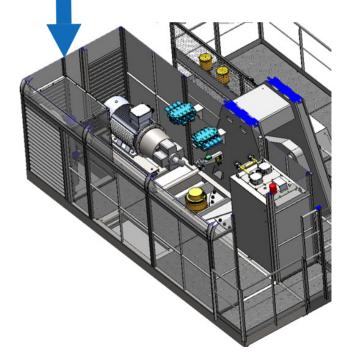
#### **MACHINE ROOM**

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



