

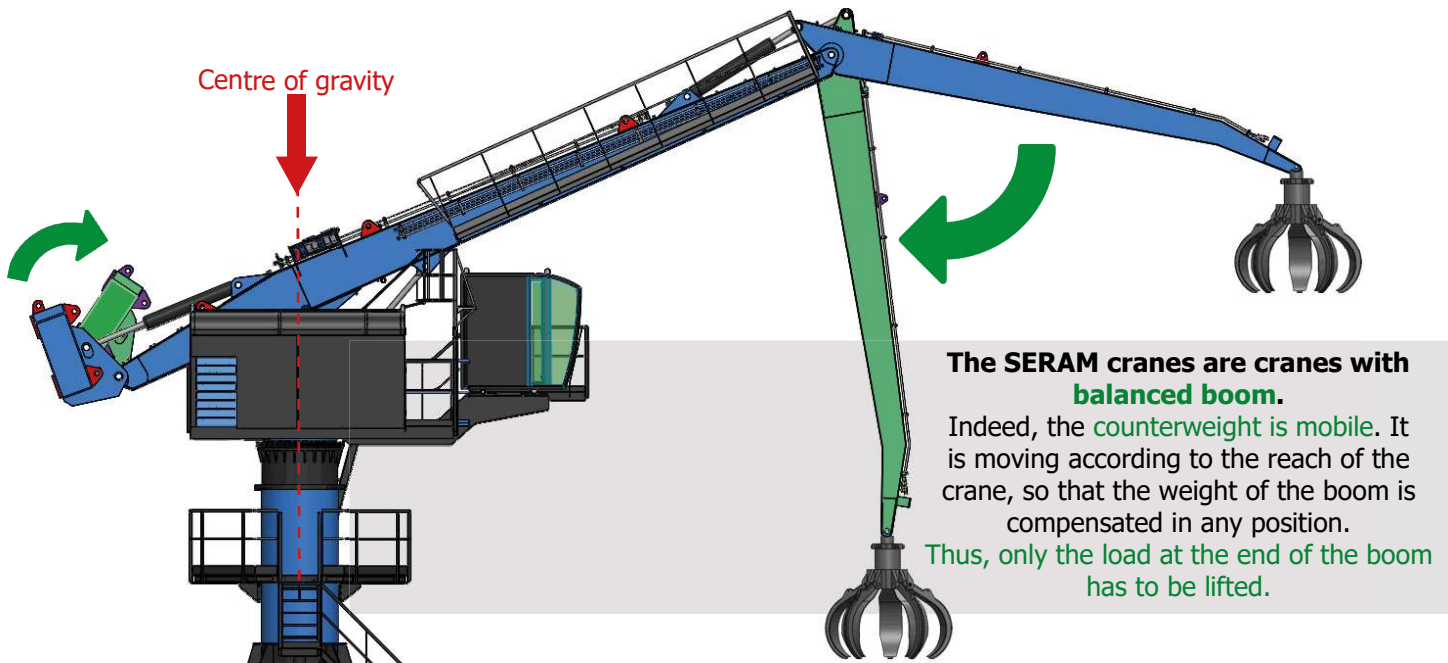


EQUILIBRIUM HANDLING CRANE

Equilibrium
SERIES 8
ES825, ES830, ES835

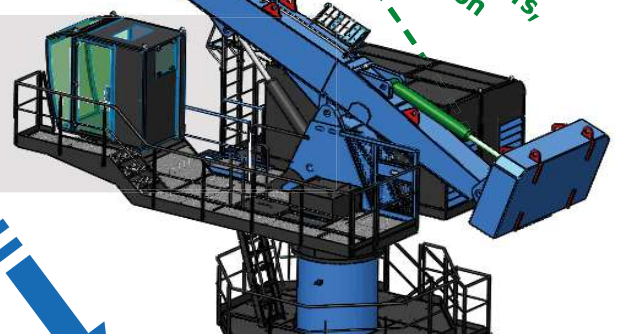
SERAM
L'EXPERIENCE

The Hydraulic Balance System



The synchronisation of the counterweight according to the boom is made through a fully hydraulic connection. This technology is patented worldwide.

The synchronisation of the cylinders, through hydraulic connection



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 life-time

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

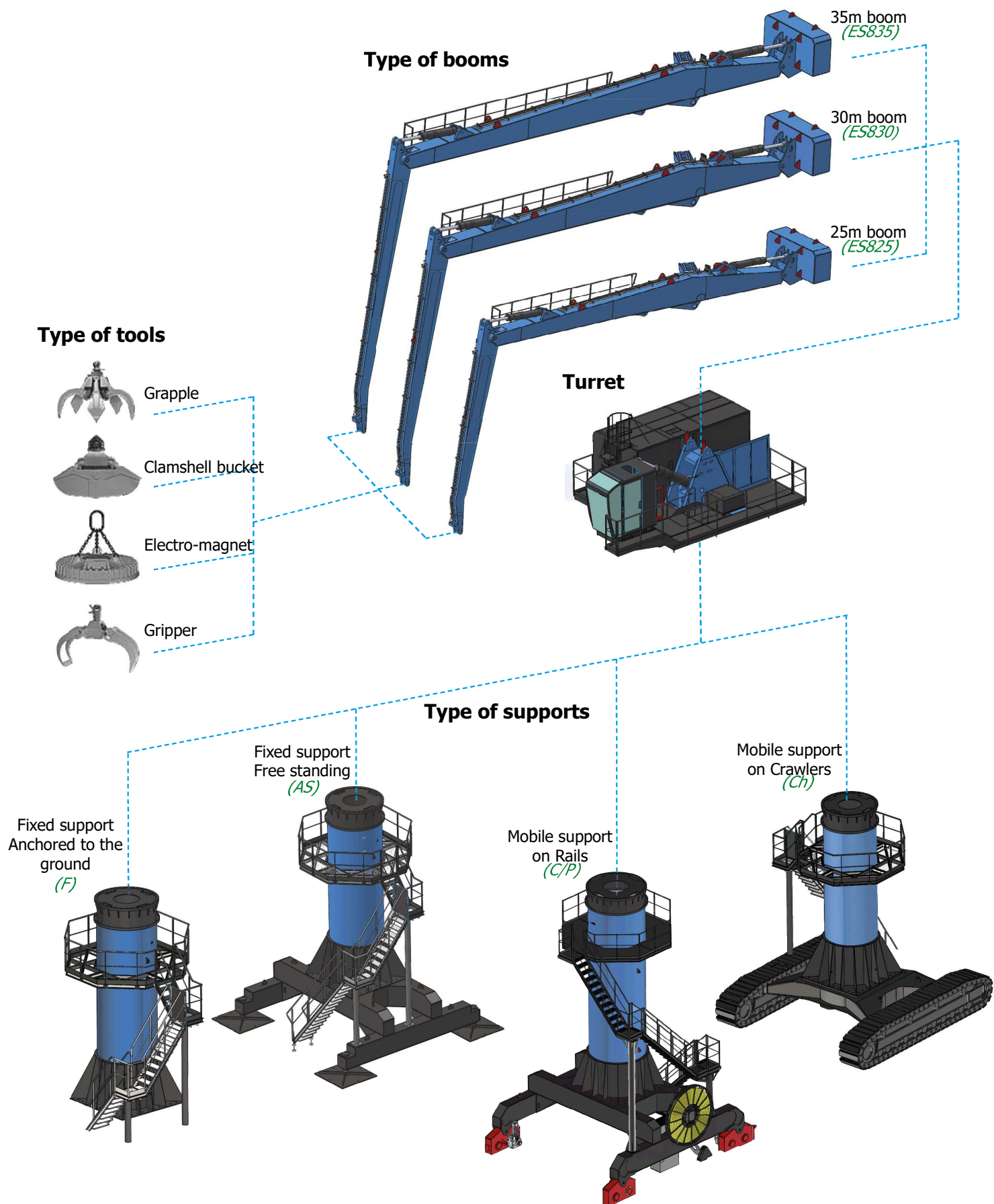
Non balanced excavator

~320 bars

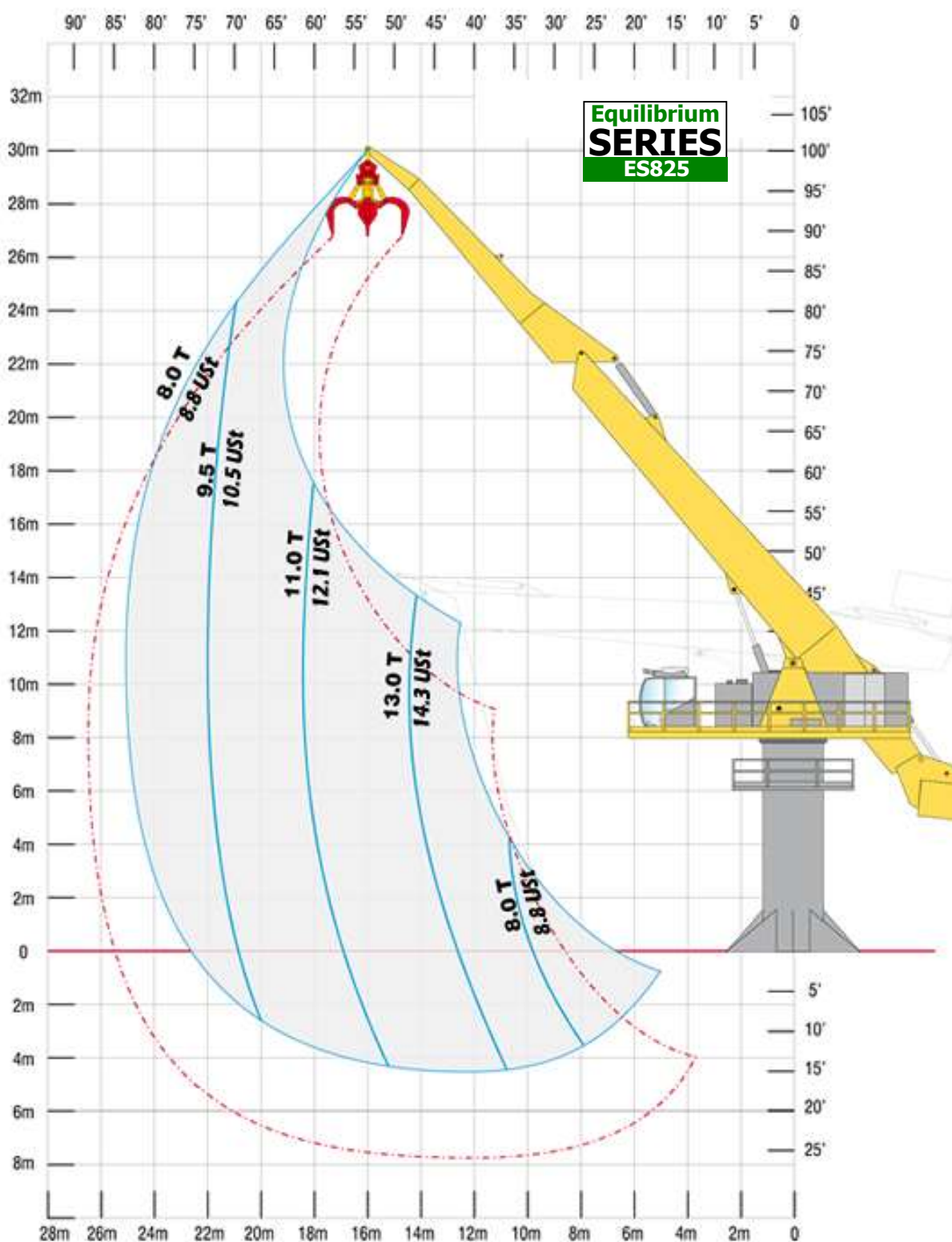
Electrical balanced crane SERAM

~150 bars

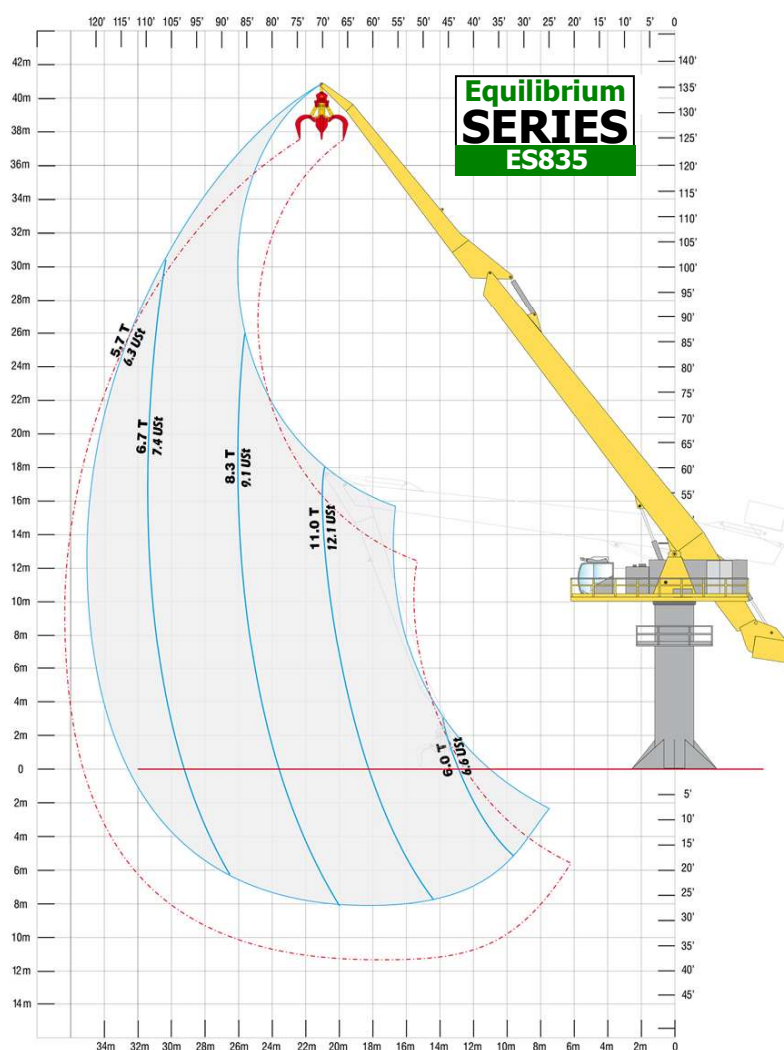
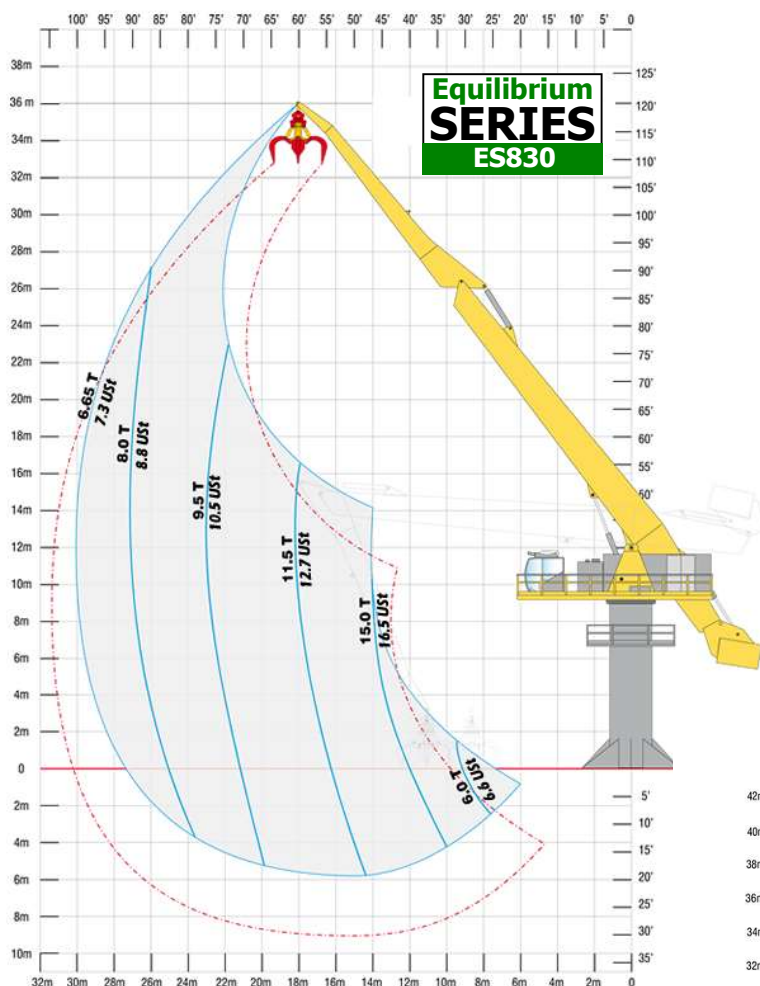
The different components



Load chart



Load chart



Technical data

GENERAL FEATURES	ES825	ES830	ES835
Power	200 t/m	200 t/m	200 t/m
Horizontal maximum reach	25 m	30 m	35 m
Lifting capacity at full reach	8 t	6.6 t	5.7 t
Length of the main arm	14 m	17 m	20 m
Length of the dipper arm	11 m	13 m	15 m
Weight (with free standing support)	181 t	192 t	202 t
ELECTRICAL SYSTEM			
Power of the main electrical motor	250 kW		
Type of start of the main motor	Star-delta or speed drive		
Voltage	400V / 480V / 600V - 50Hz/60Hz		
HYDRAULIC SYSTEM			
Pumps for the movements of the boom	210 cc + 135 cc		
Average working pressure	180 bars		
Pump for rotation	210 cc		
Capacity of the tank	2000 litres		
Filtration	2 filters of 10 microns		
Cooling system	In line		
Lubricating system	1 groups with 3 separated circuits		
ROTATION			
Rotation motor	2 motors MS83		
Ø of the ring gear	Ø 2510mm		
Rotating speed	4 rpm		
CYLINDERS			
Type of cylinders	300mm x 180mm x 1950mm		
TYPE OF SUPPORT			
Fixed support anchored to the ground	Base de 5m x 5m - Ht: 10m		
Fixed support, free standing	Chassis of 8.5m x 8.5m - Ht: 10m		
Mobile support on rails	Trolley of 8.5m x 8.5m - Ht: 10m		
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...

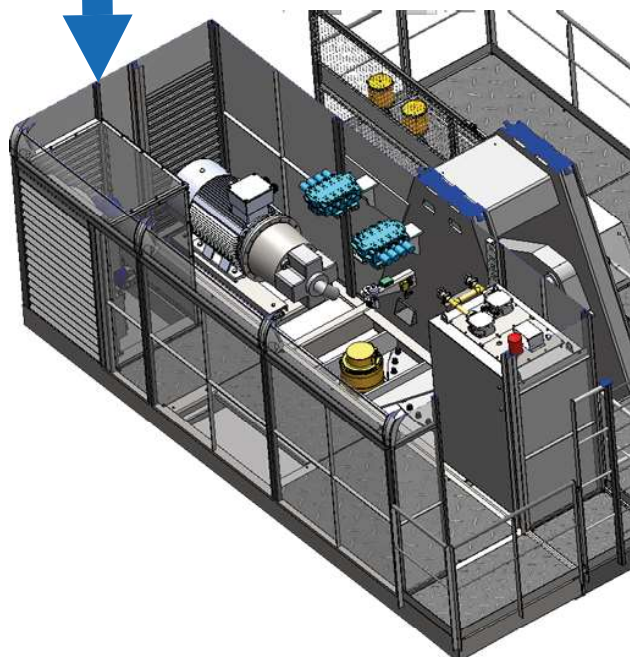
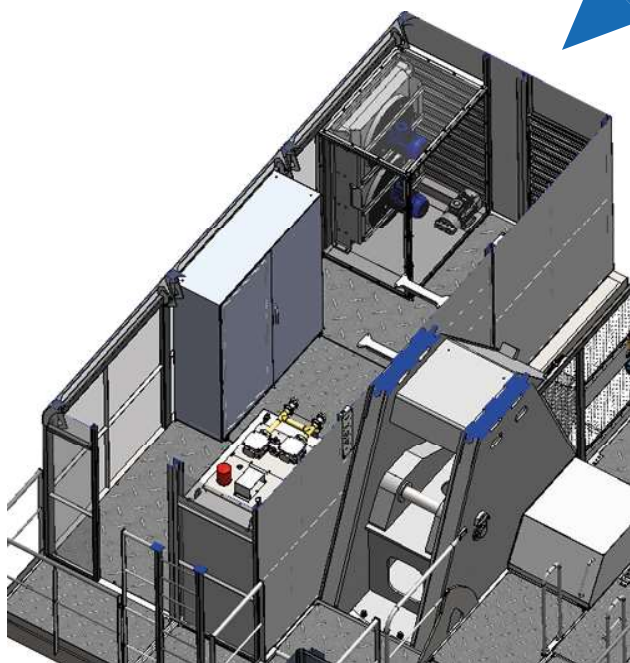


Technical data

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.



Equilibrium **SERIES 8**

ES825, ES830, ES835



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 

SERAM

SERAM SA
817 blvd Marius Berliet - 66000 PERPIGNAN (France)
Office: +33 4 68 61 02 28 - Mail: seramsa@seram.net
www.seram.net