

SERAM

INDOOR HANDLING
CRANES

S20

S20.12



37 kW



12 m
39 ft



18 t / 30 t
20 USt / **33** USt



S20
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SPECIFICATIONS

MAIN FEATURES

	S20.12	
Power	20 t.m	6.7 USt.ft
Maximum horizontal outreach	12 m	39 ft
Length of the main arm	6.5 m	21 ft
Length of the dipper arm	5.5 m	18 ft

ELECTRIC MOTOR

Power	37 kW (400 volts - 50 hertz) (480 volts - 60 hertz)
Type of starting	Star / Delta starting

DIESEL GENERATOR

(For crawlers support only)

Power	On request
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HYDRAULIC SYSTEM

Hydraulic pumps	fixed flow
Pump flow	145 l/min / 38 gal/min
Average working pressure	250 Bars / 3628 psi
Maximum rotation speed	3 tr/min
Hydraulic tank	600 l / 158 gal
Cooling	Oil/Air heat exchanger

WORKING EQUIPMENT

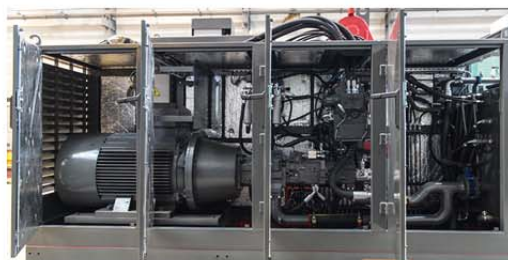
Hydraulic cylinders	150 x 80 x 880 mm / 5.9 x 3.1 x 34.6 in
Swing motors	Radial piston engine with hydraulic safety brake
Ring gears	Crossed rollers with external toothing

SUPPORT

Fixed support (F)	Support fixed on a concrete base
Dimensions of the anchoring base	2350 x 2350 mm / 7.7 x 7.7 ft
Forces applied on the ground	Fz= 200 kN; Mx=560 kN.m* 45 kipf; 137678 lbf.yd
Total weight of the machine	18 t / 20 USt
Free Standing support (AS)	Support on 4 shoes - No ground anchoring needed - Can be moved if needed
Dimensions	Base: 4500 x 4500 mm / 14.8 x 14.8 ft 4 shoes: 1500 x 1500 mm / 4.9 x 4.9 ft
Maximum forces applied on a shoe	Fz= 155 kN* / 34.8 kipf
Total weight of the machine	30 t / 33 USt

EQUIPMENTS

ACCESS	
Access ladder to the intermediate platform	●
Access stairway to the intermediate platform	Opt
HYDRAULIC UNIT	
Lateral and upper openings allowing a total access to the hydraulic unit	●
Motor pump support equipped with an anti-vibration system - Noise mitigation	●
Enhanced cooling	Opt
Sound insulation	Opt
HYDRAULIC EQUIPMENTS	
Cylinders - Single piece chrome steel rods	●
Cylinders - equipped with safety valves and with load limiters	●
Automatic lubrication of the joints and cylinders	●
Automatic lubrication of the tracks and rollers of the gear	Opt
Automatic lubrication of the toothing of the gear	Opt



OPERATING CABIN

VISIBILITY	
Panoramic windshield	●
2 Pantograph wipers + windshield washer	●
Adjustable sun shades	●
COMFORT	
Reversible air conditioning on the roof of the cabin	●
Additional fan heater	●
Heat-insulating laminated glass type Securit	●
Lateral polycarbonate glazing	Opt
Interior lighting	●
FM radio station / MP3 player	●
Briefcase	●
Hydrocarbon resistant, textured floor mat	●
Electrical outlets 220 volts / 110 volts	●
12V cigare lighter socket	Opt
Communication radio	Opt
Starting with breath test	Opt
Pressurization system of the cabin	Opt
Customer's logo on the arm	Opt



ELECTRICAL EQUIPMENTS	
Hydraulic collector - 4 power slip rings 3ph+t	●
Hydraulic collector - Additional switching ring	Opt
High Voltage / Low Voltage transformer	Opt
OPTIONS	
Handling tools (grapple, clamshell, etc)	Opt
Automatic Weighing system	Opt

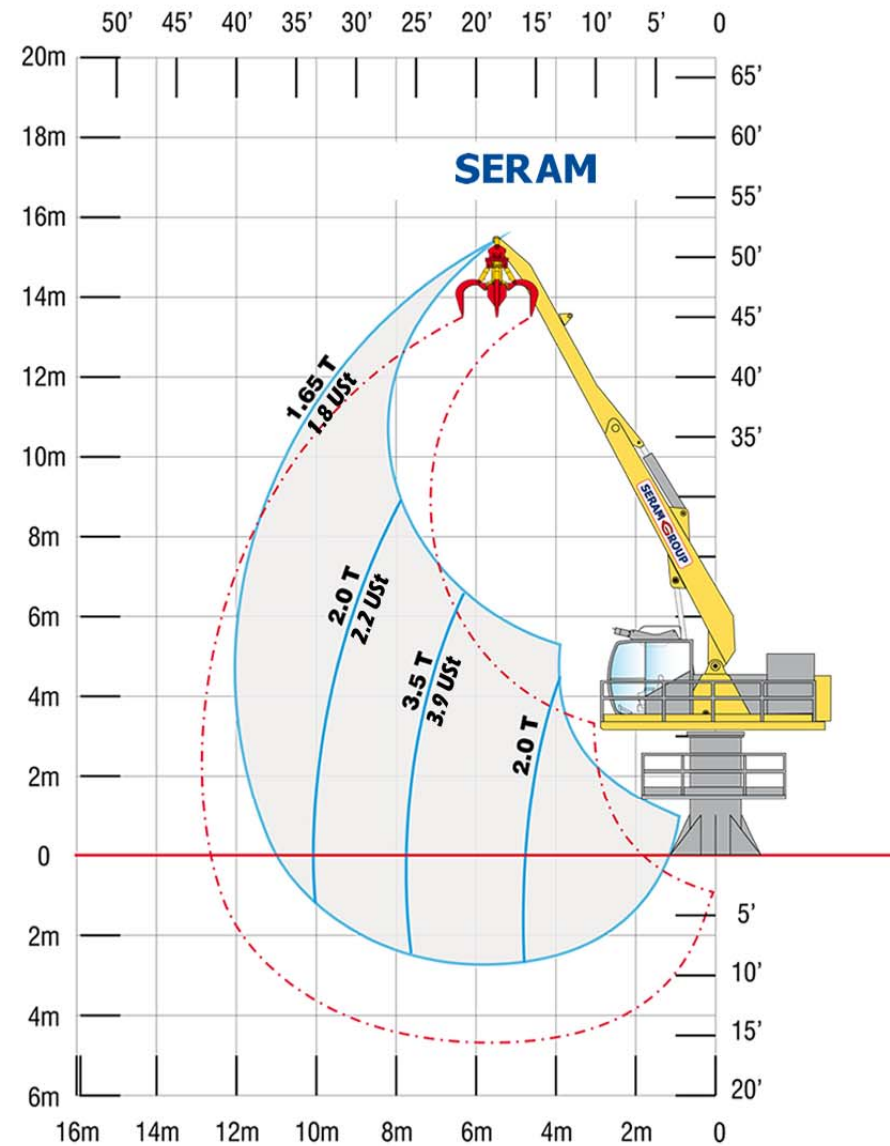


ERGONOMICS	
Ergonomic suspension seat	●
Adjustable backrest and armrests	●
Adjustable footrest	●
Operating and control panel of the crane	●
Hydraulic joysticks on the armrests	●
SERAM DATA : Control and defect recording module	●
SERAM DATA : GSM module for remote supervision	Opt
SERAM VISION : camera support	Opt
Anti-collision system: driving assistance	Opt
Cabin extension	Opt
Guard screen for the windshield	Opt
Lighting of the working area: 2 x 400W	●
Additional lighting	Opt

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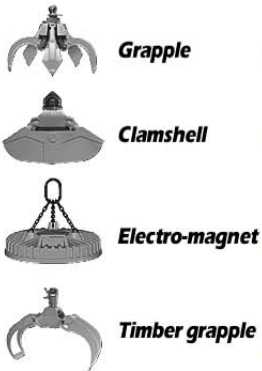
LOAD CHARTS

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Load charts in Metric Tons and US Tons, valid at the end of the crane's boom without handling tool. According to the A8M8 classification of the FEM (European Federation of Materials Handling). The loading capacities are valid on a 360° working area.

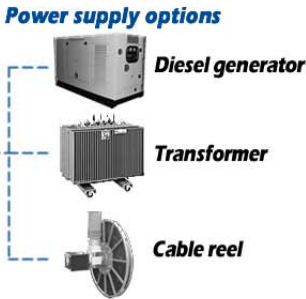
Type of tools



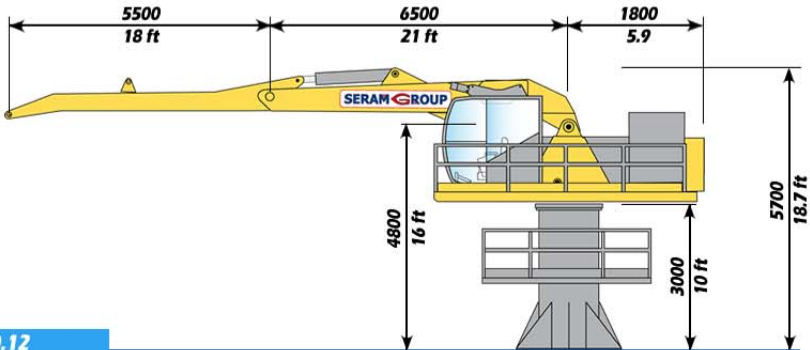
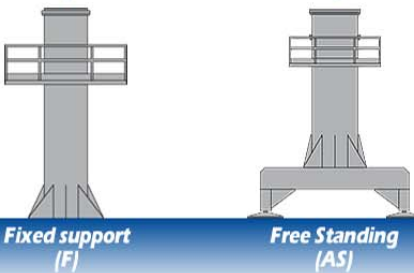
Type of boom



Type of cabin



Type of supports



Your dealer:

SERAM

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