

EXP 5030





Operators cabin with large windows for a better visibility. The front window, with double wiper, opens, completely disappearing under the top of the cab.

An orange flashing beacon, standard fitted, on the top of the cab guarantee a good visibility also during the darker hours of the day. It is possible, as option, to fit extra working lights on stick and on the undercarriage to increase visibility. Also a front window screen protection and extra lights on secondary stick are standard fitted on the machine. As option is possible to fit also a total protection for the cabin and xenon lights on stick and over the cabin.

Comfortable drive : Well pneumatically sprung, extra large seat with 10 regulation modalities,



safety seat belt with winding mechanism, adjustable arms, head-rest, and seat heating.

In addition, an integrated safety device to turn on machine controls only when the operator is in driving position and the safety arm rest is in the down position. 2 taps for lower the cabin in case of emergency (one into the cabin, one easy accessible from the ground). **Standard air conditioner** with 5 vents to cool the air in the cab and to dehumidify it, avoiding windows steaming up. Heating winter and summer ventilation device are standard fitted.



The clear visual **instrumentation panel with a coloured 5" display** allows monitoring of all machines functions: engine rpm, battery voltage, fuel level, diagnostic codes, hydraulic system, liquids levels and temperatures. There are also controls dedicated to auxiliary functions and for light warnings that advise the operator when air or hydraulic oil filters are congested, or when the machine reaches stability level, highness of the grab from the ground or distance of it from the centre of the machine, total or partial hour counter, hours from the next service, list of controls for auxiliary functions.





Centralized automatic greasing system (as standard), to make easier service operations. Oil tank pressurized with air filter.



Operators cabin with **hydraulic parallelogram elevation** has a 5,2 m high reach (operator's eye). It is possible, on request, to arrive to 6,0 m high reach.

The EXP 5030 serie is a machine specifically developed for the material handling activities and with a new eye-catching design.

The new thermostatic automatic reversible fan greatly reduces the noise and keeps the fluids always at the ideal temperature for a significant decrease in fuel consumption

The Heavy Duty "HD" version with an undercarriage 3.00 meters wide, offers an outstanding working stability. The "HD" version includes two lateral lockable toolboxes. Also the two steering axles are available as option



Hoist cylinder's rods protection available on request.



Six white **working lights** on counterweight as standard. On request available also road lights red and orange

Rear camera on counterweight with 7" coloured display into the cabin. It's also possible to fit a camera on the secondary stick.





Large radiators, in aluminium with large-meshes to allow a better thermic exchange avoiding occlusion of air passages. A thermostatic reversible fan with new aerodynamics profiles of the blades is as standard included: less noise, less diesel consumption, radiator always clean, less heating time in wintertime, quicker heating into the cabin in wintertime.



Air cleaner with self-cleaning micro-cyclones vacuum system standard included: lower maintenance time and costs, higher efficiency for the air filter, optimum working conditions for the diesel engine.

Toolboxes on lateral counterweights: 2 boxes, one for each side. Standard fitted on HD undercarriage. Available as option on the standard undercarriage



The **EXP5030** serie is available with 11 and 14 meters reach and all the possible attachments for the material handling sectors: grabs for scrap, orange peel grabs, magnet plates, grab for logs, selector grabs, clamshell grabs etc.

The **EXP5030** serie the most equipped machine in its sector, the standard configuration is almost complete: working lights on the counterweight and over the cabin, automatic reversible fan, automatic greasing system, air conditioning system, handrails and safety steps, front window screen protection, overload warning device, air cleaner with self-cleaning micro-cyclones vacuum system, dipper proximity and height limit devices for arms, break valves on all the cylinders.

The other optional available, are also useful for a comfortable and safe use of the machine: radio cd player, anti-theft "MED" immobilizer device,

additional heaters for cold weather countries, total cabin protection, steering on joysticks, centralized greasing system for undercarriage, rear camera on counterweight with 7" coloured display into the cabin, hoist cylinder's rods protection, protection for transmission on undercarriage, generator system, etc.





The new large carpentries with auto-locking system ensures an easy access to the engine and all the components



Handrails and wide steps standard included, for a safer and easier access on the machine.



Lockable battery box with general on/off switch standard included

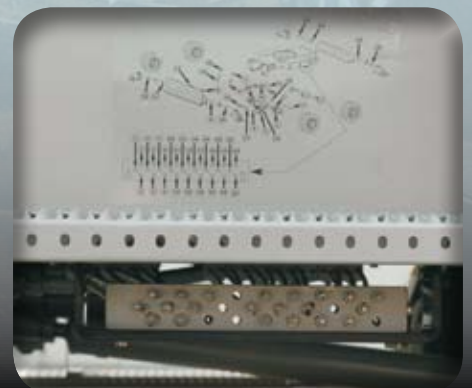


Hoses with quick coupling system for the oil change (engine and rotating joint) standard included

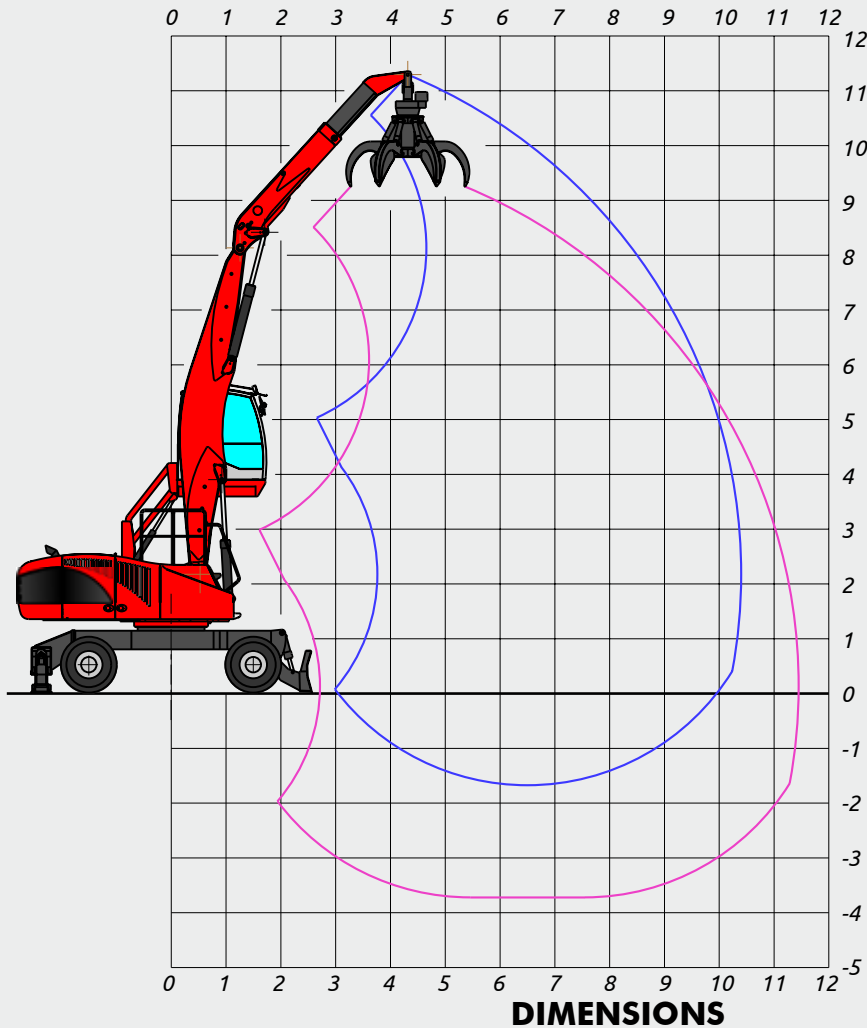


Safety taps on the diesel and oil tank for a quicker and easier maintenance of the machine

Centralized greasing system for the under-carriage (as option available) for an easier maintenance of the machine



WORKING DIAGRAM



AT11:
Gooseneck boom
6,00 m
Telescopic stick
3,40 m - 4,40 m

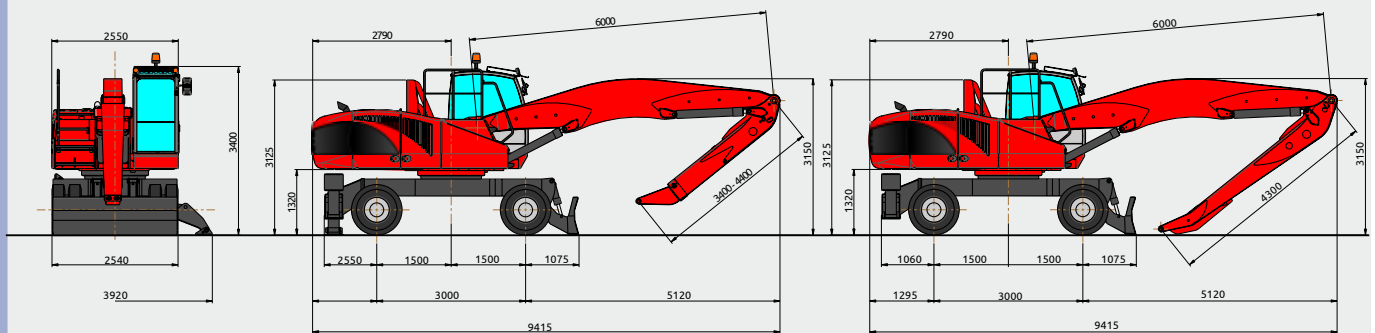
OPERATING WEIGHT:
30.100 kg (Standard)
32.300 kg ("HD")

AF11:
Gooseneck boom
6,00 m
Industrial Stick
4,30 m

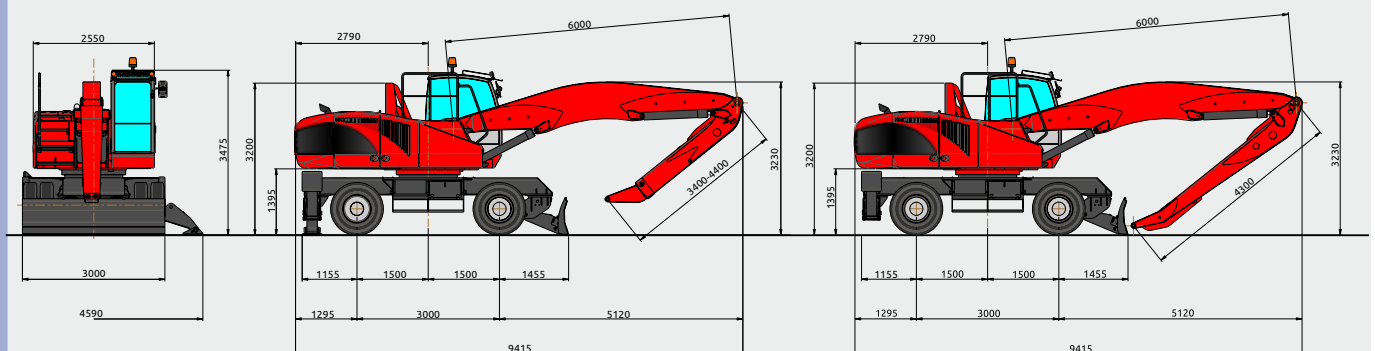
OPERATING WEIGHT:
29.500 kg (Standard)
31.700 kg ("HD")

OPERATING WEIGHT WITH BLADE, OUTRIGGERS,
 FULL RUBBER TYRES, GOOSENECK BOOM 6,00 m,
 TELESCOPIC STICK 3,4 - 4,4 m
 (OR INDUSTRIAL STICK 4,3 m FOR AF11),
 RV 550 ORANGE PEEL GRAB AND ROTATOR.

DIMENSIONS



Standard Undercarriage



"HD" Undercarriage

LIFTING CAPACITIES TONS WITH "STD" UNDERCARRIAGE "AT11"

LIFTING RANGE (m)

HEIGHT METRES	CONF.	4,0			6,0			8,0			10,0			10,7		
10,0	○○				7,65*	7,46	5,59									
	┌┐				7,65*	7,65*	6,66*									
	└└				7,65*	7,65*	6,66*									
8,0	○○				7,18*	7,18*	5,72	6,49*	4,81	3,61						
	┌┐				7,18*	7,18*	6,25*	6,49*	6,49*	5,65*						
	└└				7,18*	7,18*	6,25*	6,49*	6,49*	5,65*						
6,0	○○	8,84*	8,84*	8,67	7,58*	7,39	5,54	6,54*	4,76	3,57						
	┌┐	8,84*	8,84*	7,70*	7,58*	7,58*	6,6*	6,54*	6,54*	5,69*						
	└└	8,84*	8,84*	7,70*	7,58*	7,58*	6,6*	6,54*	6,54*	5,69*						
4,0	○○	12,35*	12,35*	9,35	8,71*	6,97	5,23	6,97*	4,56	3,42	5,36	3,27	2,45			
	┌┐	12,35*	12,35*	10,75*	8,71*	8,71*	7,58*	6,97*	6,97*	5,54	5,97*	5,36	4,02			
	└└	12,35*	12,35*	10,75*	8,71*	8,71*	7,58*	6,97*	6,97*	6,06*	5,97*	5,97*	4,86			
2,0	○○	10,59*	10,59*	8,27	10,09*	6,50	4,87	7,14	4,33	3,25	5,29	3,19	2,40	4,33*	2,84	2,13
	┌┐	10,59*	10,59*	9,21*	10,09*	10,09*	8,78*	7,49*	7,13	5,35	6,08*	5,29	3,97	4,33*	4,33*	3,55
	└└	10,59*	10,59*	9,21*	10,09*	10,09*	8,78*	7,49*	7,49*	6,50	6,08*	6,08*	4,81	4,33*	4,33*	3,77*
0	○○	6,29*	6,29*	5,47*	10,38	6,06	4,54	6,98	4,17	3,13	5,22	3,13	2,35			
	┌┐	6,29*	6,29*	5,47*	10,8*	10,37	7,78	7,77*	6,97	5,23	5,91*	5,22	3,91			
	└└	6,29*	6,29*	5,47*	10,8*	10,8*	9,4*	7,77*	7,77*	6,38	5,91*	5,91*	4,75			

LIFTING CAPACITIES TONS WITH "HD" UNDERCARRIAGE "AT11"

LIFTING RANGE (m)

HEIGHT METRES	CONF.	4,0			6,0			8,0			10,0			10,7		
10,0	○○				7,65*	7,65*	6,66*									
	┌┐				7,65*	7,65*	6,66*									
	└└				7,65*	7,65*	6,66*									
8,0	○○				7,18*	7,18*	6,25*	6,49*	6,28	4,71						
	┌┐				7,18*	7,18*	6,25*	6,49*	6,49*	5,65*						
	└└				7,18*	7,18*	6,25*	6,49*	6,49*	5,65*						
6,0	○○	8,84*	8,84*	7,70*	7,58*	7,58*	6,6*	6,54*	6,22	4,67						
	┌┐	8,84*	8,84*	7,70*	7,58*	7,58*	6,6*	6,54*	6,54*	5,69*						
	└└	8,84*	8,84*	7,70*	7,58*	7,58*	6,6*	6,54*	6,54*	5,69*						
4,0	○○	12,35*	12,35*	10,75*	8,71*	8,71*	6,87	6,97*	6,02	4,51	5,70	4,37	3,27			
	┌┐	12,35*	12,35*	10,75*	8,71*	8,71*	7,58*	6,97*	6,97*	6,06*	5,97*	5,97*	5,19*			
	└└	12,35*	12,35*	10,75*	8,71*	8,71*	7,58*	6,97*	6,97*	6,06*	5,97*	5,97*	5,19*			
2,0	○○	10,59*	10,59*	9,21*	10,09*	8,69*	6,51	7,49*	4,33	4,33	5,63	4,29	3,22	4,33*	3,84	2,88
	┌┐	10,59*	10,59*	9,21*	10,09*	10,09*	8,78*	7,49*	7,49*	6,52*	6,08*	6,08*	5,29*	4,33*	4,33*	3,77*
	└└	10,59*	10,59*	9,21*	10,09*	10,09*	8,78*	7,49*	7,49*	6,52*	6,08*	6,08*	5,29*	4,33*	4,33*	3,77*
0	○○	6,29*	6,29*	5,47*	10,8*	8,21	6,16	7,42	5,62	4,21	5,56	4,23	3,17			
	┌┐	6,29*	6,29*	5,47*	10,8*	10,8*	9,4*	7,77*	7,77*	6,76*	5,91*	5,91*	5,14*			
	└└	6,29*	6,29*	5,47*	10,8*	10,8*	9,4*	7,77*	7,77*	6,76*	5,91*	5,91*	5,14*			



LIFTING CAPACITIES ON LONGITUDINAL AXIS



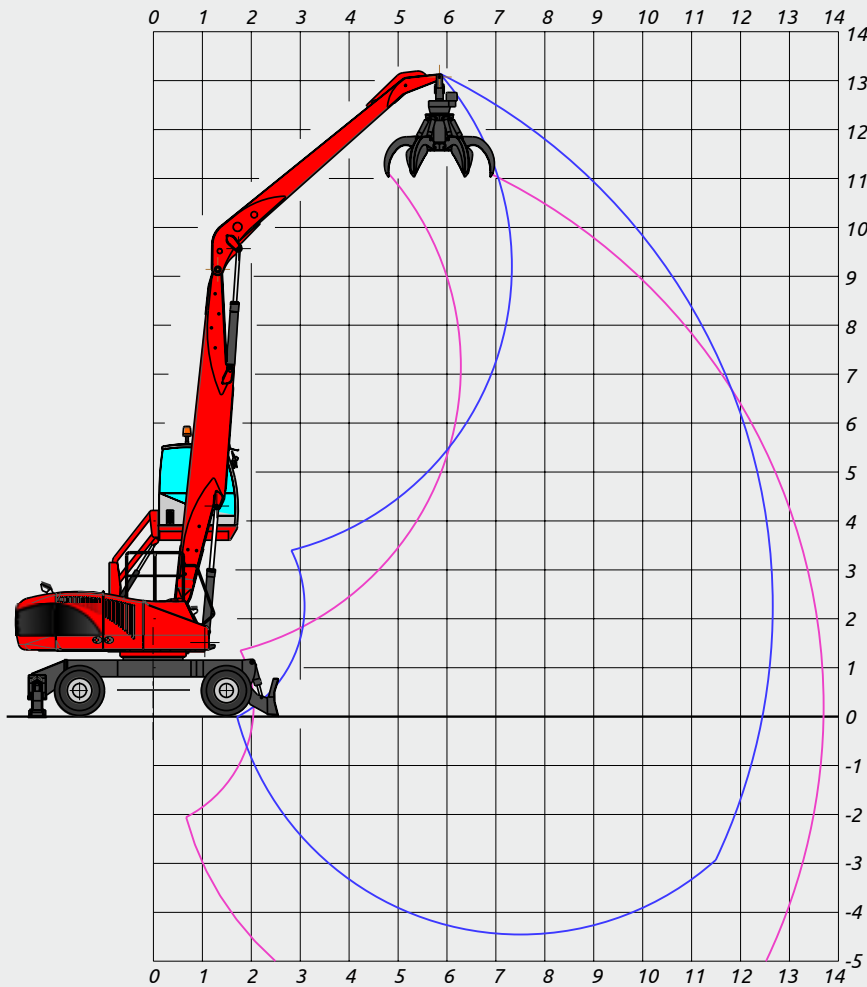
LIFTING CAPACITIES ON 360° WITHOUT SAFETY FACTOR



LIFTING CAPACITIES ON 360° ACCORDING WITH ISO 10567

* = HYDRAULIC LIMIT - LIFTING CAPACITIES ARE ON HOOK WITHOUT GRABS, MACHINE STATIC, LEVEL SOLID GROUND, WITH AXLE LOCKED.

WORKING DIAGRAM



DF13:
Straight Boom
7,00 m

Industrial Stick
6,00 m

OPERATING WEIGHT

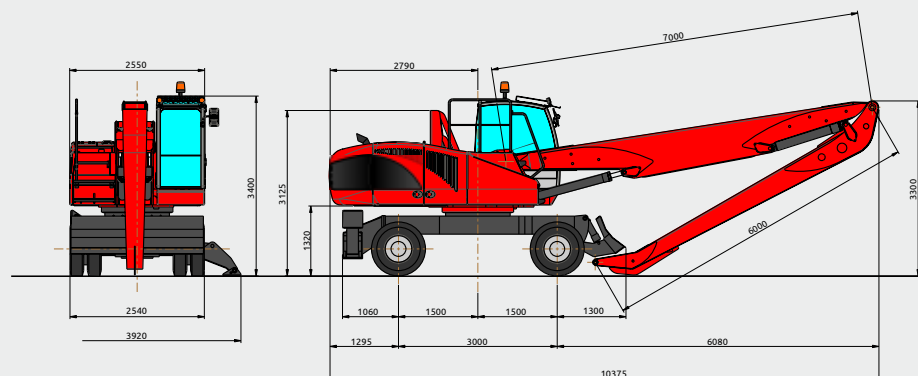
31.600 kg (Standard)

33.500 kg ("HD")

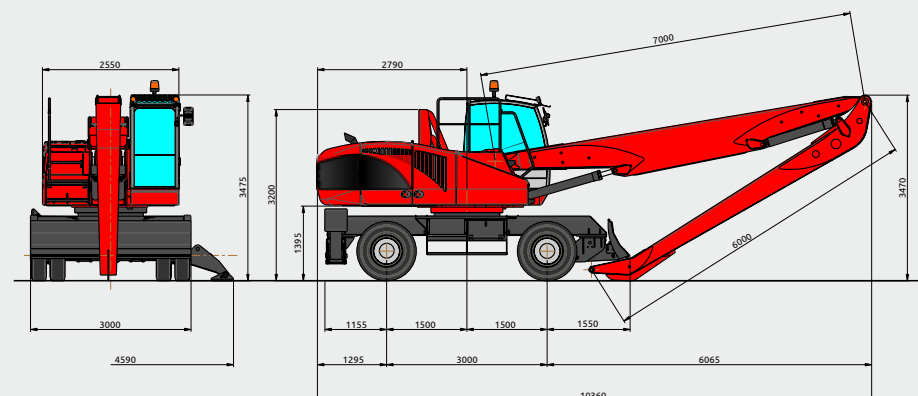
OPERATING WEIGHT WITH, 4 OUTRIGGERS, FULL RUBBER TYRES, STRAIGHT BOOM 9,20 m, DIPPER STICK 7,30 m, RV 600 ORANGE PEEL GRAB AND ROTATOR.

DIMENSIONS

Standard Undercarriage



"HD" Undercarriage



LIFTING CAPACITIES TONS WITH "STD" UNDERCARRIAGE

LIFTING RANGE (m)

HEIGHT METRES	CONF.	4,0			6,0			8,0			10,0			12,0			12,6		
		↗	○	⊙	↗	○	⊙	↗	○	⊙	↗	○	⊙	↗	○	⊙	↗	○	⊙
10,0	○○							6,19*	5,06	3,80									
	└┐							6,19*	6,19*	5,39*									
	└└							6,19*	6,19*	5,39*									
8,0	○○							6,18*	5,04	3,78	5,43*	3,43	2,57						
	└┐							6,18*	6,18*	5,38*	5,43*	5,43*	4,17						
	└└							6,18*	6,18*	5,38*	5,43*	5,43*	4,72*						
6,0	○○							6,45*	4,85	3,64	5,47	3,34	2,51	4,06	2,38	1,79			
	└┐							6,45*	6,45	5,62*	5,51*	5,47	4,10	4,73*	4,06	3,04			
	└└							6,45*	6,45	5,62*	5,51*	5,51*	4,80*	4,73*	4,73*	3,70			
4,0	○○				8,83*	6,97	5,23	6,90*	4,51	3,39	5,30	3,17	2,38	3,99	2,32	1,74			
	└┐				8,83*	8,83*	7,68*	6,90*	6,90*	5,54	5,68*	5,29	3,97	4,72*	3,99	2,99			
	└└				8,83*	8,83*	7,68*	6,90*	6,90*	6,01*	5,68*	5,68*	4,82	4,72*	4,72*	3,65			
2,0	○○	15,72*	10,54	7,90	9,90*	6,13	4,60	7,02	4,15	3,12	5,10	2,99	2,24	3,90	2,23	1,67	3,62	2,05	1,54
	└┐	15,72*	15,72*	13,68*	9,90*	9,90*	8,62*	7,34*	7,01	5,26	5,80*	5,10	3,82	4,62*	3,89	2,92	4,25*	3,62	2,71
	└└	15,72*	15,72*	13,68*	9,90*	9,90*	8,62*	7,34*	7,33	6,38*	5,80*	5,80*	4,67	4,62*	4,62*	3,58	4,25*	4,25*	3,33
0	○○	6,00*	6,00*	5,22*	9,84	5,52	4,14	6,64	3,80	2,85	4,89	2,79	2,09	3,81	2,15	1,61			
	└┐	6,00*	6,00*	5,22*	10,32*	9,83	8,98*	7,42*	6,63	4,98	5,65	4,88	3,66	4,27*	3,81	2,86			
	└└	6,00*	6,00*	5,22*	10,32*	10,32	8,98*	7,42*	7,42	6,14	5,65	5,65	4,50	4,27*	4,27*	3,52			
-2,0	○○	6,43*	6,43*	5,60*	9,39	5,15	3,86	6,41	3,60	2,70	4,78	2,69	2,01						
	└┐	6,43*	6,43*	5,60*	9,41*	9,38	8,19*	6,88*	6,41	4,81	5,08*	4,77	3,58						
	└└	6,43*	6,43*	5,60*	9,41*	9,41	8,19*	6,88*	6,88	5,96	5,08*	5,08*	4,42						
-4,0	○○				7,23	5,10	3,83	5,38*	3,54	2,65									
	└┐				7,24*	7,24*	6,30*	5,38*	5,38*	4,68*									
	└└																		

LIFTING CAPACITIES TONS WITH "HD" UNDERCARRIAGE

LIFTING RANGE (m)

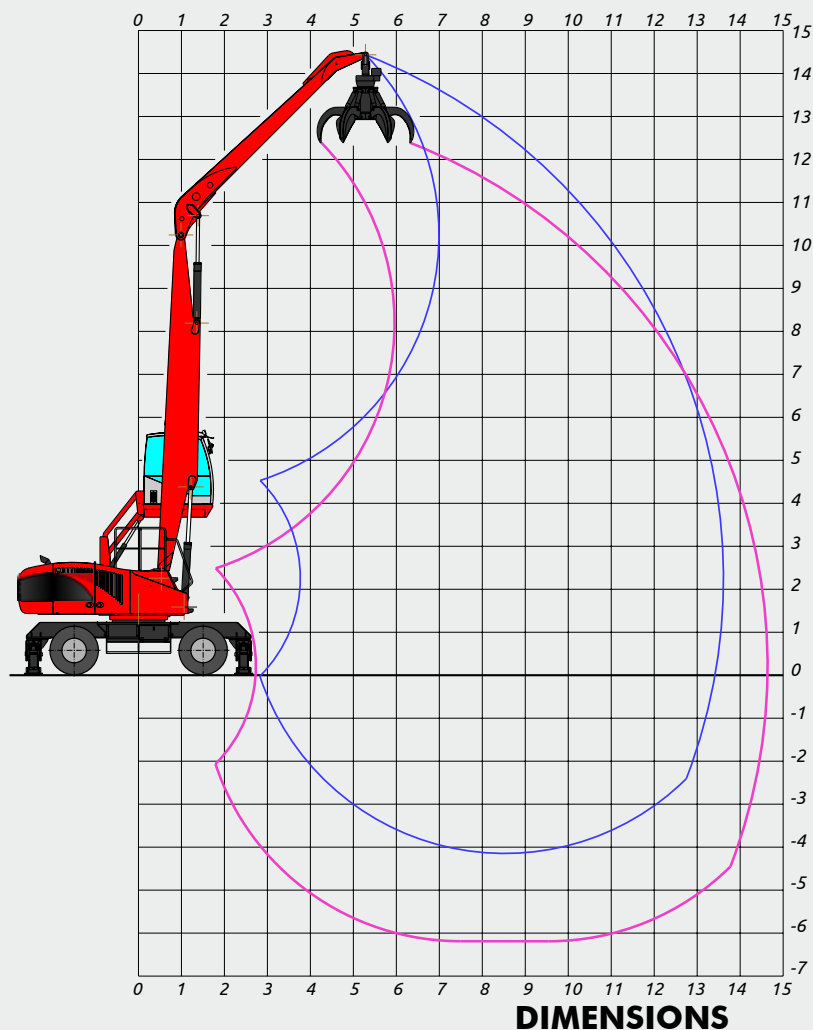
HEIGHT METRES	CONF.	4,0			6,0			8,0			10,0			12,0			12,6		
		↗	○	⊙	↗	○	⊙	↗	○	⊙	↗	○	⊙	↗	○	⊙	↗	○	⊙
10,0	○○							6,21*	6,21*	4,92									
	└┐							6,21*	6,21*	5,40*									
	└└							6,21*	6,21*	5,40*									
8,0	○○							6,20*	6,20*	4,91	5,45*	4,56	3,42						
	└┐							6,20*	6,20*	5,39*	5,45*	5,45*	4,74*						
	└└							6,20*	6,20*	5,39*	5,45*	5,45*	4,74*						
6,0	○○							6,47*	6,35	4,76	5,54*	4,47	3,35	4,35	3,29	2,47			
	└┐							6,47*	6,47*	5,63*	5,54*	5,54*	4,82*	4,75*	4,75*	4,11			
	└└							6,47*	6,47*	5,63*	5,54*	5,54*	4,82*	4,75*	4,75*	4,14*			
4,0	○○				8,85*	8,85*	6,89	6,93*	6,01	4,51	5,65	4,30	3,23	4,28	3,23	2,42			
	└┐				8,85*	8,85*	7,70*	6,93*	6,93*	6,03*	5,71*	5,71*	4,96*	4,75*	4,75*	4,06			
	└└				8,85*	8,85*	7,70*	6,93*	6,93*	6,03*	5,71*	5,71*	4,96*	4,75*	4,75*	4,13*			
2,0	○○	15,79*	14,64	10,98	9,95*	8,33	6,25	7,37*	5,65	4,24	5,46	4,12	3,09	4,19	3,14	2,35	3,90	2,91	2,18
	└┐	15,79*	15,79*	13,74*	9,95*	9,95*	8,65*	7,37*	7,37*	6,41*	5,83*	5,83*	5,08*	4,65*	4,65*	3,99	4,28*	4,28*	3,72*
	└└	15,79*	15,79*	13,74*	9,95*	9,95*	8,65*	7,37*	7,37*	6,41*	5,83*	5,83*	5,08*	4,65*	4,65*	4,05*	4,28*	4,28*	3,72*
0	○○	6,00*	6,00*	5,22*	10,38*	7,73	5,79	7,11	5,30	3,98	5,25	3,92	2,94	4,11	3,06	2,29			
	└┐	6,00*	6,00*	5,22*	10,38*	10,38*	9,03*	7,47*	7,47*	6,50*	5,70*	5,70*	4,96*	4,31*	4,31*	3,93			
	└└	6,00*	6,00*	5,22*	10,38*	10,38*	9,03*	7,47*	7,47*	6,50*	5,70*	5,70*	4,96*	4,31*	4,31*	3,75*			
-2,0	○○	6,43*	6,43*	5,60*	9,48*	7,33	5,50	6,89	5,09	3,82	5,12*	3,82	2,86						
	└┐	6,43*	6,43*	5,60*	9,48*	9,48*	8,25*	6,93*	6,93*	6,03*	5,12*	5,12*	4,46*						
	└└	6,43*	6,43*	5,60*	9,48*	9,48*	8,25*	6,93*	6,93*	6,03*	5,12*	5,12*	4,46*						
-4,0	○○				7,31*	7,28	5,46	5,43*	5,03	3,77									
	└┐				7,31*	7,31*	6,36*	5,43*	5,43*	4,72*									
	└└				7,31*	7,31*	6,36*	5,43*	5,43*	4,72*									



LIFTING CAPACITIES ON LONGITUDINAL AXIS ○ LIFTING CAPACITIES ON 360° WITHOUT SAFETY FACTOR ⊙ LIFTING CAPACITIES ON 360° ACCORDING WITH ISO 10567

* = HYDRAULIC LIMIT - LIFTING CAPACITIES ARE ON HOOK WITHOUT GRABS, MACHINE STATIC, LEVEL SOLID GROUND, WITH AXLE LOCKED.

WORKING DIAGRAM



DF14:
Straight boom
8,00 m

Industrial Stick
6,00 m

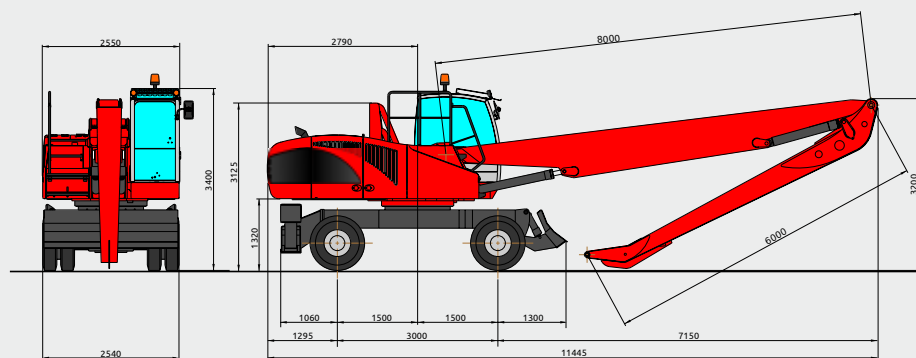
OPERATING WEIGHT:

31.900 kg (Standard)

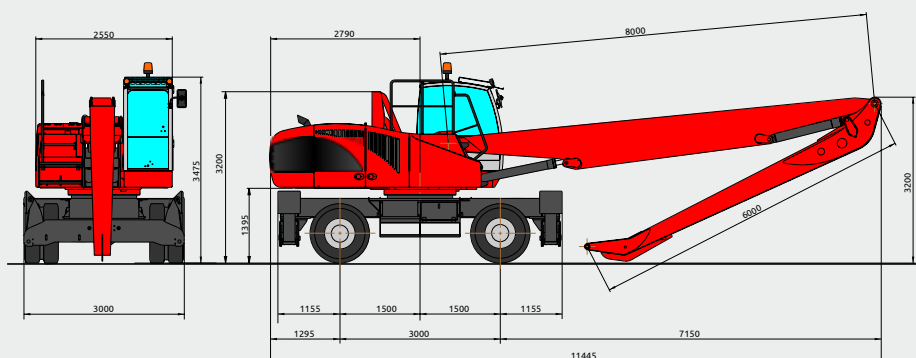
33.800 kg ("HD")

OPERATING WEIGHT WITH BLADE, OUTRIGGERS,
FULL RUBBER TYRES, STRAIGHT BOOM 8,00 m,
DIPPER STICK 6,00 m,
RV 550 ORANGE PEEL GRAB AND ROTATOR.

Standard Undercarriage



"HD" Undercarriage



LIFTING CAPACITIES TONS WITH "STD" UNDERCARRIAGE

HEIGHT METRES		CONF.	LIFTING RANGE (m)																	
			4,0			6,0			8,0			10,0			12,0			13,6		
12,0	○○								5,31*	5,03	3,52									
	┌┐								5,31*	5,31*	5,31*									
	└└								5,31*	5,31*	5,31*									
10,0	○○								5,19*	5,10	3,57	4,47*	3,46	2,42						
	┌┐								5,19*	5,19*	5,19*	4,47*	4,47*	4,20						
	└└								5,19*	5,19*	5,19*	4,47*	4,47*	4,47*						
8,0	○○								5,28*	4,98	3,49	4,48*	3,42	2,39	3,86*	2,42	1,69			
	┌┐								5,28*	5,28*	5,28*	4,48*	4,48*	4,17	3,86*	3,86*	3,08			
	└└								5,28*	5,28*	5,28*	4,48*	4,48*	4,48*	3,86*	3,86*	3,74			
6,0	○○				7,04*	7,04	5,15	5,55*	4,72	3,30	4,58*	3,27	2,29	3,86*	2,36	1,65				
	┌┐				7,04*	7,04*	7,04*	5,55*	5,55*	5,55*	4,58*	4,58*	4,05	3,86*	3,86*	3,03				
	└└				7,04*	7,04*	7,04*	5,55*	5,55*	5,55*	4,58*	4,58*	4,58*	3,86*	3,86*	3,70				
4,0	○○		12,1*	11,67	8,17	7,87*	6,56	4,59	5,88*	4,31	3,02	4,71*	3,06	2,14	3,87*	2,26	1,58			
	┌┐		12,1*	12,1*	12,1*	7,87*	7,87*	7,87*	5,88*	5,88*	5,39	4,71*	4,71*	3,88	3,87*	3,87*	2,95			
	└└		12,1*	12,1*	12,1*	7,87*	7,87*	7,87*	5,88*	5,88*	5,88*	4,71*	4,71*	4,71*	3,87*	3,87*	3,61			
2,0	○○		4,18*	4,18	4,18*	8,48*	5,68	3,97	6,12*	3,89	2,72	4,75*	2,83	1,98	3,80*	2,13	1,49	3,12*	1,74	1,22
	┌┐		4,18*	4,18*	4,18*	8,48*	8,48*	7,50	6,12*	6,12*	5,05	4,75*	4,75*	3,70	3,80*	3,80*	2,85	3,12*	3,12*	2,38
	└└		4,18*	4,18*	4,18*	8,48*	8,48*	8,48*	6,12*	6,12*	6,12*	4,75*	4,75*	4,54	3,80*	3,80*	3,51	3,12*	3,12*	2,94
0	○○		3,30*	3,30	3,30*	8,30*	5,05	3,54	6,02*	3,54	2,48	4,61*	2,64	1,84	3,57*	2,03	1,42			
	┌┐		3,30*	3,30*	3,30*	8,30*	8,30*	6,97	6,02*	6,02*	4,76	4,61*	4,61*	3,54	3,57*	3,57*	2,77			
	└└		3,30*	3,30*	3,30*	8,30*	8,30*	8,30*	6,02*	6,02*	5,91	4,61*	4,61*	4,38	3,57*	3,57*	3,43			
-2,0	○○		4,48*	4,48	4,48*	7,26*	4,81	3,37	5,44*	3,35	2,35	4,13*	2,52	1,76	3,04*	1,98	1,39			
	┌┐		4,48*	4,48*	4,48*	7,26*	7,26*	6,77	5,44*	5,44*	4,61	4,13*	4,13*	3,45	3,04*	3,04*	2,73			
	└└		4,48*	4,48*	4,48*	7,26*	7,26*	7,26*	5,44*	5,44*	5,44*	4,13*	4,13*	4,13*	3,04*	3,04*	3,04*			
-4,0	○○								4,24*	3,32	2,32	3,17*	2,50	1,75						
	┌┐								4,24*	4,24*	4,24*	3,17*	3,17*	3,17						
	└└								4,24*	4,24*	4,24*	3,17*	3,17*	3,17*						

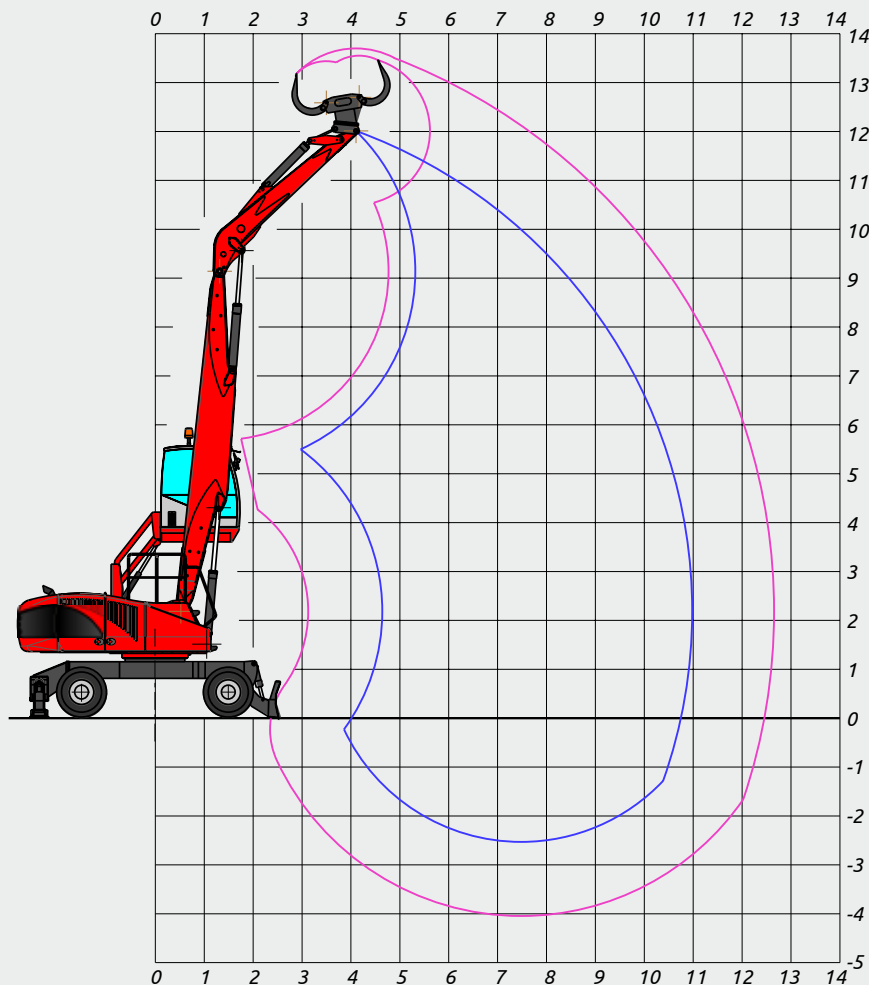
LIFTING CAPACITIES TONS WITH "HD" UNDERCARRIAGE

HEIGHT METRES		CONF.	LIFTING RANGE (m)																	
			4,0			6,0			8,0			10.0			12,0			13.6		
			↻	○	⊙	↻	○	⊙	↻	○	⊙	↻	○	⊙	↻	○	⊙	↻	○	⊙
12,0	○○								5,31*	5,31*	4,57									
	┌┐								5,31*	5,31*	5,31*									
	└└								5,31*	5,31*	5,31*									
10,0	○○								5,19*	5,19*	4,62	4,47*	4,47*	3,21						
	┌┐								5,19*	5,19*	5,19*	4,47*	4,47*	4,47*						
	└└								5,19*	5,19*	5,19*	4,47*	4,47*	4,47*						
8,0	○○								5,28*	5,28*	4,54	4,48*	4,48*	3,18	3,86*	3,31	2,32			
	┌┐								5,28*	5,28*	5,28*	4,48*	4,48*	4,48*	3,86*	3,86*	3,86*			
	└└								5,28*	5,28*	5,28*	4,48*	4,48*	4,48*	3,86*	3,86*	3,86*			
6,0	○○				7,04*	7,04	6,71	5,55*	5,55*	4,35	4,58*	4,39	3,07	3,86*	3,25	2,28				
	┌┐				7,04*	7,04*	7,04*	5,55*	5,55*	5,55*	4,58*	4,58*	4,58*	3,86*	3,86*	3,86*				
	└└				7,04*	7,04*	7,04*	5,55*	5,55*	5,55*	4,58*	4,58*	4,58*	3,86*	3,86*	3,86*				
4,0	○○		12,1*	12,1*	11,09	7,87*	7,87*	6,13	5,88*	5,79	4,05	4,71*	4,17*	2,92	3,87*	3,15	2,20			
	┌┐		12,1*	12,1*	12,1*	7,87*	7,87*	7,87*	5,88*	5,88*	5,88*	4,71*	4,71*	4,71*	3,87*	3,87*	3,87*			
	└└		12,1*	12,1*	12,1*	7,87*	7,87*	7,87*	5,88*	5,88*	5,88*	4,71*	4,71*	4,71*	3,87*	3,87*	3,87*			
2,0	○○		4,31*	4,31	4,31*	8,48*	7,83	5,48	6,12*	5,35	3,74	4,75*	3,93	2,75	3,80*	3,02	2,11	3,12*	2,50	1,75
	┌┐		4,31*	4,31*	4,31*	8,48*	8,48*	8,48*	6,12*	6,12*	6,12*	4,75*	4,75*	4,75*	3,80*	3,80*	3,80*	3,12*	3,12*	3,12*
	└└		4,31*	4,31*	4,31*	8,48*	8,48*	8,48*	6,12*	6,12*	6,12*	4,75*	4,75*	4,75*	3,80*	3,80*	3,80*	3,12*	3,12*	3,12*
0	○○		3,40*	3,40*	3,40*	8,30*	7,18	5,02	6,02*	4,99	3,49	4,61*	3,73	2,61	3,57*	2,92	2,04			
	┌┐		3,40*	3,40*	3,40*	8,30*	8,30*	8,30*	6,02*	6,02*	6,02*	4,61*	4,61*	4,61*	3,57*	3,57*	3,57*			
	└└		3,40*	3,40*	3,40*	8,30*	8,30*	8,30*	6,02*	6,02*	6,02*	4,61*	4,61*	4,61*	3,57*	3,57*	3,57*			
-2,0	○○		4,71*	4,71*	4,71*	7,26*	6,93	4,85	5,44*	4,80	3,36	4,13*	3,61	2,53	3,04*	2,86	2,00			
	┌┐		4,71*	4,71*	4,71*	7,26*	7,26*	7,26*	5,44*	5,44*	5,44*	4,13*	4,13*	4,13*	3,04*	3,04*	3,04*			
	└└		4,71*	4,71*	4,71*	7,26*	7,26*	7,26*	5,44*	5,44*	5,44*	4,13*	4,13*	4,13*	3,04*	3,04*	3,04*			
-4,0	○○								4,24*	4,24*	3,33	3,17*	3,17*	2,52						
	┌┐								4,24*	4,24*	4,24*	3,17*	3,17*	3,17*						
	└└								4,24*	4,24*	4,24*	3,17*	3,17*	3,17*						

↗ LIFTING CAPACITIES ON LONGITUDINAL AXIS ○ LIFTING CAPACITIES ON 360° WITHOUT SAFETY FACTOR ⊙ LIFTING CAPACITIES ON 360° ACCORDING WITH ISO 10567

* = HYDRAULIC LIMIT - LIFTING CAPACITIES ARE ON HOOK WITHOUT GRABS, MACHINE STATIC, LEVEL SOLID GROUND, WITH AXLE LOCKED.

WORKING DIAGRAM



DS11:
Straight boom
7,00 m

Selector arm
4,00 m

OPERATING WEIGHT

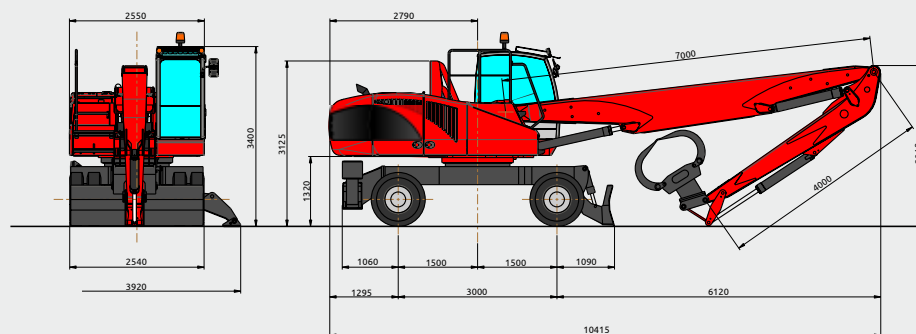
31.400 kg (standard)

33.200 KG ("HD")

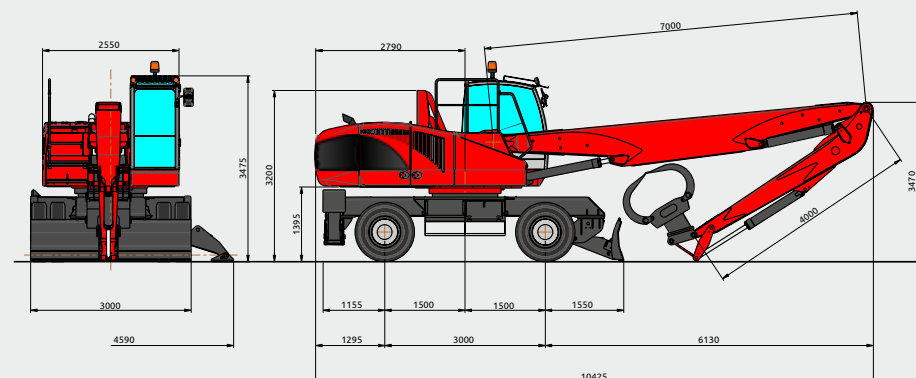
OPERATING WEIGHT WITH 4 OUTRIGGERS,
FULL RUBBER TYRES, STRAIGHT BOOM 6,00 m,
SELECTOR ARM 4,00 m,
RS 600 SELECTOR GRAB WITH ROTATOR..

DIMENSIONS

Standard Undercarriage



"HD" Undercarriage



LIFTING CAPACITIES TONS WITH "STD" UNDERCARRIAGE

HEIGHT METRES	CONF.	LIFTING RANGE (m)								
		5,0			7,0			9,0		
										
10,0	○○				6,05*	5,82	4,37			
	┌┐				6,05*	6,05*	5,27*			
	└└				6,05*	6,05*	5,27*			
8,0	○○				7,91*	5,86	4,40			
	┌┐				7,91*	7,91*	6,88*			
	└└				7,91*	7,91*	6,88*			
6,0	○○	10,93*	9,20	6,90	8,17*	5,56	4,17	6,20	3,74	2,81
	┌┐	10,93*	10,93*	9,51*	8,17*	8,17*	6,81	6,56*	6,19	4,65
	└└	10,93*	10,93*	9,51*	8,17*	8,17*	7,11*	6,56*	6,56*	5,64
4,0	○○	12,13*	7,88	5,91	8,50	5,03	3,77	5,96	3,52	2,64
	┌┐	12,13*	12,13*	10,34	8,53*	8,50	6,37	6,61*	5,95	4,47
	└└	12,13*	12,13*	10,55*	8,53*	8,53*	7,42*	6,61*	6,61*	5,45
2,0	○○	12,25	6,58	4,93	7,90	4,48	3,36	5,69	3,27	2,45
	┌┐	12,34*	12,24	9,18	8,60*	7,89	5,92	6,48*	5,68	4,26
	└└	12,34*	12,34*	10,74*	8,60*	8,60*	7,35	6,48*	6,48*	5,24
0	○○	10,66*	6,11	4,58	7,52	4,14	3,10	5,50	3,09	2,32
	┌┐	10,66*	10,66*	8,80	7,91*	7,52	5,64	5,89*	5,50	4,12
	└└	10,66*	10,66*	9,27*	7,91*	7,91*	6,88*	5,89*	5,89*	5,10
-2,0	○○				6,20*	4,07	3,05	4,50*	3,06	2,30
	┌┐				6,20*	6,2*	5,39*	4,50*	4,50*	3,92*
	└└				6,20*	6,2*	5,39*	4,50*	4,50*	3,92*

LIFTING CAPACITIES TONS WITH "HD" UNDERCARRIAGE

HEIGHT METRES	CONF.	LIFTING RANGE (m)								
		5,0			7,0			9,0		
										
10,0	○○				6,05*	6,05*	5,27*			
	┌┐				6,05*	6,05*	5,27*			
	└└				6,05*	6,05*	5,27*			
8,0	○○				7,91*	7,65	5,74			
	┌┐				7,91*	7,91*	6,88*			
	└└				7,91*	7,91*	6,88*			
6,0	○○	10,93*	10,93*	9,10	8,17*	7,34	5,50	6,56*	5,02	3,76
	┌┐	10,93*	10,93*	9,51*	8,17*	8,17*	7,11*	6,56*	6,56*	5,71*
	└└	10,93*	10,93*	9,51*	8,17*	8,17*	7,11*	6,56*	6,56*	5,71*
4,0	○○	12,13*	10,74	8,05	8,53*	6,79	5,09	6,34	4,79	3,59
	┌┐	12,13*	12,13*	10,55*	8,53*	8,53*	7,42*	6,61*	6,61*	5,76*
	└└	12,13*	12,13*	10,55*	8,53*	8,53*	7,42*	6,61*	6,61*	5,76*
2,0	○○	12,34*	9,34	7,00	8,42	6,22	4,66	6,07	4,52	3,39
	┌┐	12,34*	12,34*	10,74*	8,60*	8,60*	7,48*	6,48*	6,48*	5,64*
	└└	12,34*	12,34*	10,74*	8,60*	8,60*	7,48*	6,48*	6,48*	5,64*
0,0	○○	10,66*	8,86	6,64	7,91*	5,86	4,40	5,88	4,35	3,26
	┌┐	10,66*	10,66*	9,27*	7,91*	7,91*	6,88*	5,89*	5,89*	5,13*
	└└	10,66*	10,66*	9,27*	7,91*	7,91*	6,88*	5,89*	5,89*	5,13*
-2,0	○○				6,20*	5,79	4,34	4,50*	4,31	3,23
	┌┐				6,20*	6,20*	5,39*	4,50*	4,50*	3,92*
	└└				6,20*	6,20*	5,39*	4,50*	4,50*	3,92*



LIFTING CAPACITIES ON LONGITUDINAL AXIS



LIFTING CAPACITIES ON 360° WITHOUT SAFETY FACTOR



LIFTING CAPACITIES ON 360° ACCORDING WITH ISO 10567

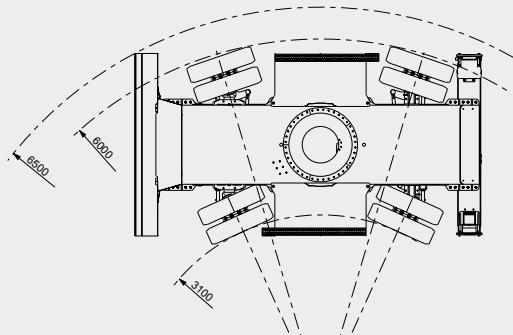
* = HYDRAULIC LIMIT - LIFTING CAPACITIES ARE ON HOOK WITHOUT GRABS, MACHINE STATIC, LEVEL SOLID GROUND, WITH AXLE LOCKED.

ACCESSORIES

ACCESSORIES	As STANDARD	As OPTIONAL
- N° 8 TWINNED SOLID RUBBER TYRES WITH SPACER RUBBER RINGS	•	
- "HD" HEAVY DUTY UNDERCARRIAGE		•
- REAR STEERING AXLE (ONLY FOR "HD")		•
- CENTRALIZED GREASING SYSTEM FOR THE UNDERCARRIAGE		•
- GEAR AND CARDAN JOINT PROTECTION		•
- PARALLELOGRAM ELEVATION CABIN H 5200	•	
- PARALLELOGRAM ELEVATION CABIN H 6000		•
- OPERATOR SEAT WITH PNEUMATIC SUSPENSION AND HEATING DEVICE	•	
- SAFETY SEAT BELT	•	
- AIR-CONDITIONING SYSTEM	•	
- AIR-CONDITIONING FILTER WITH ACTIVATED CHARCOAL		•
- RADIO CD PLAYER		•
- RADIO CD PLAYER WITH BLUETOOTH®		•
- WEIGHTING SYSTEM		•
- ANTI-THEFT "MED" IMMOBILIZER DEVICE		•
- TWO WORKING LIGHTS OVER THE CABIN	•	
- TWO WORKING LED LIGHTS OVER THE CABIN		•
- FRONT WINDOW SCREEN PROTECTION	•	
- TOTAL PROTECTION FOR THE CABIN		•
- AUTOMATIC GREASING SYSTEM FOR THE UPPERSTRUCTURE	•	
- THERMOSTATIC AUTOMATIC REVERSIBLE FAN	•	
- GENERATOR SYSTEM		•
- WORKING LIGHTS ON SECONDARY STICK	•	
- WORKING LED LIGHTS ON SECONDARY STICK		•
- HOIST CYLINDER'S RODS PROTECTION		•
- DIPPER PROXIMITY AND HEIGHT LIMIT DEVICES	•	
- SAFETY VALVES ON ALL THE CYLINDERS	•	
- OVERLOAD WARNING DEVICE	•	
- SIX WHITE WORKING LIGHTS ON COUNTERWEIGHT	•	
- WORKING LIGHTS ON UPPERSTRUCTURE		•
- TOWING HOOK		•
- LOCKING ARCH FOR LONG LOGS ON BOOM AND/OR STICK		•
- FAIR ENDING PLATE FOR LOGS		•
- HYDRAULIC SYSTEM FOR SAW		•
- STEERING ON JOYSTICK		•
- ADDITIONAL HEATING SYSTEM FOR COLD WEATHER COUNTRIES		•
- HYDRAULIC FILTER SYSTEM ON THE RETURN LINE OF THE GRAB		•
- CAMERA WITH 7" COLOURED DISPLAY INTO THE CABIN		•
- FUEL AND HYDRAULIC OIL REFILLING PUMPS		•

DOUBLE STEERING AXLES (OPTIONAL).

ONLY ON "HD" UNDERCARRIAGE



TECHNICAL DATA EXP 5030

DIESEL ENGINE

TCD 6.1 L6 4V - T4 – Ecological with catalytic converter DVERT® and emissions controlled with electronically controlled injection – 6 cylinders in-line – 4 valves – turbocharged with inter-cooler air/air – common rail – direct injection – water cooled – electric starting system 24 V

Displacement	6060 cm ³
Power:	150 kW (204 HP) @ 2000 rpm
Max torque:	880 Nm @ 1450 rpm
Tank capacity:	310 l

HYDRAULIC SYSTEM

Open circuit LOAD SENSING + ELECTRONIC SYNCRON CONTROL

Variable displacement axial piston pumps with oil flow adjustment according to the load requirements and with electronic engine speed regulation.

Max. flow:	420 l/min
Max. hydraulic pressure:	330 bar
Hydraulic tank capacity:	400 l
Hydraulic circuit capacity:	480 l

Four additional pumps for auxiliary services. Hydraulic oil cooling by means aluminium large mesh heat exchanger combined with engine radiator. Automatic reversible fan for radiator cleaning.

LOAD SENSING system distributor block with simultaneous movements independent of the load and without interaction with synchronised control of all functions.

TRAVEL

Hydrostatic with 4 wheel drive by means of a variable displacement hydraulic axial piston motor mounted on a two speed gearbox hydraulically operated from the cab coupled to the rear axle

Travel controlled by two separate pedals (one for each travelling direction).

Travel speed (in both directions)

Working speed:	from 0 to 6 km/h
Travel speed:	from 0 to 18 km/h

Differential axles 2,50 m wide (STD version) ore 3,00 m wide (HD Version) with planetary reduction gears on the hubs.

Braking valve integrated on the hydraulic motor.

STEERING

Hydraulic steering system powered by an independent pump. The front floating steering axle (STD version) can be hydraulically locked from the cabin in any position. On the HD version the floating axle is the rear one.

TYRES

N° 8 full rubber tyres "SUPERELASTIC" front and rear twinned with rubber spacer rings between tyres.

- 10.00 x 20 (STD version)
- 12.00 x 20 (HD version)

N° 8 front and rear twinned "WIDE WALL"

- 10.00 x 20 - 16 PR (STD version)
- 12.00 x 20 - 20 PR (HD version)

BRAKES

SERVICE BRAKES: disk brake on the driveshaft.

PARKING AND EMERGENCY BRAKES: hydraulically released disk-type brake mounted on driveshaft.

SWING SYSTEM

Unlimited rotation in both directions by means of an axial piston hydraulic motor with integrated control valve, splined to a double stage reduction gear with oil bath gears. - Anti-shock valves protect the system.

High diameter double row ball bearing ring with internal teeth.

Automatic greasing system

Max rotation speed: 8 rpm

Overall dimensions of rotating turret: 2,70 m

OPERATOR'S CAB

Hydraulically operated raising driver's cab mounted on a parallelogram linkage installed on silent block with large windows of tinted heat resistant safety glass; front sliding window, and lateral opening window. Winter heating and air conditioned installed as standard. Radio preset. Double windscreen wiper with washer.

"GRAN COMFORT" operator's seat with shock absorbing suspension, headrest, lumbar support, belt winder, electric seat heating device and armrests adjustable height and angle. Many possibilities of adjustment according to operator's weight and size with joysticks incorporated in its arms. AUTO-IDLE electronic accelerator with two automatic preselected rpm.

The instrumentation includes:

Engine speed indicator, fuel level, water thermometer. Display shows: hour counter, hydraulic oil temperature, Volt, oil engine pressure, fuel consumption, engine diagnostics, and maintenance program.

Warning lights showing: air cleaner and oil filter clogging, park brake, low fuel, brakes failure, lights, hydraulic oil low level.

HYDRAULIC CONTROLS

N° 2 electronic controlled joysticks to carry out four operations each with electric pushbuttons incorporated. Electro switch for grab rotator and for dipper telescopic extension (if installed). Electro switch for outriggers and/or front blade. Electro switch for magnet (if installed). Electro hydraulic devices for controlling gear box, parking brakes, hydraulic raising of the cab, front axle oscillation lock.

ARMS

With reach from 11 to 14 metres; possibility to have telescopic stick or selector arm.

SOUND LEVELS

SOUND LEVELS (EEC Directive 2000/14/CE)
Inside cab LpA 79 dB (A)

ELECTROMAGNETIC COMPATIBILITY

In accordance with CE Directive (Dir. 2004/108/CE)

OVERLOAD WARNING DEVICE

In accordance with (Dir 2006/42/CE) this device provides to check the crane stability while loading in accordance with loads and distances (as standard)

Optical warning advise danger and conditions locking movement when the stability limits are reached. Visualising of the lifting charge and the liftable charge limit, in each position.



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