

LIUGONG

913/915FCR EXCAVATOR

ALL NEW
F SERIES

Engine
Net Power
913FCR Weight
915FCR Weight
Bucket Capacity

Cummins 6B 7
98.5 - 64.3 kW
14,700 - 16,100kg
16,400 - 17,300kg
0.71m³



TOUGH WORLD. TOUGH EQUIPMENT.

“ THE BEST MACHINES ARE DESIGNED FOR BALANCE, NOT COMPROMISE... ”

YOUR PERFORMANCE DASHBOARD

Research tells us that 5 key performance areas really matter to you. We'd like to use this performance dashboard to present the real, tough facts about our all New 913FCR/915FCR.



TOUGHNESS & DURABILITY



POWER & EFFICIENCY



INTELLIGENCE & CONTROL



COMFORT & ERGONOMICS



SAFETY & VISIBILITY



UPTIME & MAINTENANCE

The all new 913FCR and 915FCR are packed with benefits. The 913FCR is brilliant at the basics giving you everything you want but nothing you don't need. When you want **EXTRA** performance the 915FCR delivers.

CUSTOMER DRIVEN DESIGN...

Our customers don't like compromise, nor do we. That's why we do our homework before we start the design process to really understand how our machines are actually traced and operated.

This insight allows us to perfectly balance the demands of the machine owner and the machine operator but without compromise.



red dot award

RED DOT AWARD-WINNING DESIGN

Our UK design team were recently recognized with a prestigious Red Dot Award for our new #1800 motor grader recognizing its innovation and excellence in product design.



HERE'S THE BIG PICTURE...

The all new 913FCR - brilliant at the basics.

The new 915FCR delivers the extra.



POWER & EFFICIENCY

- 3 new power modes - Power, Standard and Eco
- Cummins VGT technology engine delivers 5% more torque

915FCR

EXTRA 15kW engine power



TOUGHNESS & DURABILITY

- Larger track rollers increases carrying capacity by 20%
- Tougher chassis reduces stress by 15%
- Tougher integrally cast boom and arm

915FCR

EXTRA Longer undercarriage

EXTRA 500kg counterweight

EXTRA 10% additional stability



INTELLIGENCE & CONTROL

- Electro-hydraulic control technology
- Attachment flow and pressure control
- Short tail swing radius

915FCR

EXTRA Two piece boom option



ALL NEW
F-SERIES

913/915FCR EXCAVATOR



SAFETY & VISIBILITY

- 360 degree camera
- Ground level daily inspection
- Anti-slip tread plates and fold down guard rails
- 1.52m tall swing radius reduces collision risk around the machine



UPTIME & MAINTENANCE

- 1000h air filter cycle
- Maintenance friendly design and layout gives easier access
- Plastic moulded fuel tank, increases fuel tank capacity and prevent rust damage



COMFORT & ERGONOMICS

- F-Series Ergonomic cab design
- Intuitive operator interfaces & control
- Quiet (72dBA) and clean (pressurised environment)

NOW FOR THE DETAIL...

**“ NO MATTER WHAT YOU DO
TO TRUST YOUR MACHINE 10**





**...O, YOU'VE GOT
100% **55****



TOUGHNESS AND DURABILITY

DESIGNED TO WORK HARDER, FOR LONGER



DESIGNED TO WORK HARDER, FOR LONGER...

To build machines that can withstand the harshest conditions takes intelligent design, and attention to detail. We know that a machine is only as strong as its weakest point, so every weld, every joint, every component is scrutinized to ensure it passes our rigorous durability tests. Here's the proof.



TOUGHNESS AND DURABILITY

1. STRONGER CHASSIS

We've increased the size of our upper and lower track rollers to reduce the stress by 8% and increase the carrying capacity by 20% respectively.

2. GROUND PROTECTION

Our machines may be tough, but with the optional rubber block tracks they're soft on the surface to avoid unnecessary damage.

3. EXTRA VIGILANCE

100% flaw detection ensures every weld is checked to meet our stringent standards.

4. INCREASED DURABILITY

Choose from our range of performance and durability enhancing extras such as our easy to fit demolition guards and heavy duty counterweight.

5. TOUGHER BOOM AND ARM

Finite element analysis proves the load efficiency and toughness of our boom and arm, but we go further to reduce stress by 50%.

- Front and rear supports are cast, reducing welds and increasing torsional resistance
- Central ram pivot is forged to reduce stress
- EH hydraulic system reduces hoses and potential leak paths improving long-term performance

6. 915FCR EXTRA...

915FCR

EXTRA Longer undercarriage

EXTRA 500kg counterweight

EXTRA 10% additional stability

PERFORMANCE STATISTICS

+10%

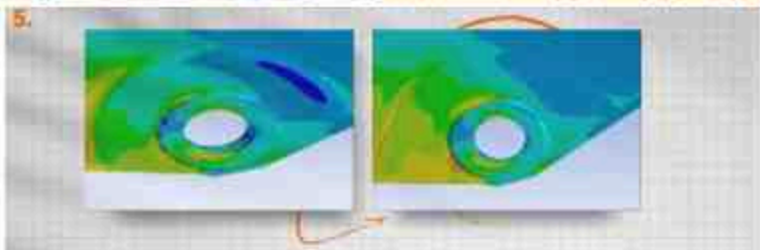
INCREASED STABILITY ON 915FCR

+20%

INCREASED TRACK ROLLER CARRYING CAPACITY

-50%

BIG END STRESS REDUCTION



TOUGHNESS IS WHAT WE DO...

With over 50,000 excavators already working in the world's toughest environments, you can trust our machines to keep working harder - for longer.



**“ WHY CHOOSE BETWEEN P
EFFICIENCY WHEN YOU CAN**





POWER AND EFFICIENCY CAN YOU HAVE BOTH? ”



POWER AND EFFICIENCY

DESIGNED TO MOVE MORE, FOR LESS



DESIGNED TO MOVE MORE, FOR LESS...

There's no need to compromise digging performance to get the highest fuel efficiency because the all New 913FCR and 915FCR gives you both. With greater torque and more power at lower engine speeds you get the power you want and the fuel efficiency you need.



POWER AND EFFICIENCY

1. MORE REAL POWER

With VGT technology, the 3.8L Four Cylinder Cummins engine delivers 5% extra torque compared to high torque at low engine speeds. VGT enables the engine to maximize its power output whilst creating less noise and using less fuel.

2. EXCEED YOUR EXPECTATIONS

When it comes to efficiency, the 913FCR and 915FCR is smarter than you'd think. Feed Forward control technology matches the engine's speed to the operator's command and predicted load to deliver even greater fuel economy.

3. 915FCR EXTRA...

915FCR features an additional 15kW of engine power, providing extra performance in tougher ground conditions and when using larger attachments.

4. SAVE EVERY DROP OF FUEL

Engine Auto Idle and Auto Shutdown make every single drop of fuel count. Reducing unproductive fuel saves you money and helps protect the environment.

5. GEARING UP

Larger displacement slow motor and higher relief pressures allow 7% greater torque to increase cycle times!
(compared to 913E)

6. PUSHING PERFORMANCE

The optional dozer blade gives you extra stability and a multitasking capability to keep your site clean and level.

PERFORMANCE STATISTICS

1



EXTRA TORQUE
(compared to 913E)

2



GREATER SLOW TORQUE

3



ON 915FCR

1.



2.

FEED FORWARD

OPERATOR MOVES JOYSTICK

PREDICTED MACHINE LOAD

ENGINE FUELING CORRECTION

ENGINE SPEED DROPS LESS

SHORTER SPEED RECOVERY



4.



WHY COMPROMISE?

The all new FCF models let you do more, for less cost, and with less environmental impact. Don't settle for anything less.



“ TOUGH MACHINES CAN
BE INTELLIGENT TOO ”





INTELLIGENCE AND CONTROL

DESIGNED TO WORK SMARTER



DESIGNED TO WORK SMARTER

Smart operators choose smart machines because they know their job is tough enough. When it comes to intelligence and control the all new FCR models may surprise you as they're packed with smart features to make life easier.



INTELLIGENCE AND CONTROL

1. CHOOSE YOUR MODE

With a choice of 3 integrated Work Modes each designed to match the engine speed, pump flow and system pressure to your chosen application, it's easy to find the perfect balance of performance and economy.

2. ELECTRO-HYDRAULIC CONTROL

The state-of-the-art full electro-hydraulic system from Kawasaki provides lightning fast signals between the joysticks, pumps and valve blocks to deliver pin point precision and maximize available engine power.

3. USE OUR BRAINS

With a suite of Smart functions at your fingertips you can control your attachment properties from the comfort of your cab. It's easy.

- Adjustable flow control
- Adjustable pressure control
- 10 attachment settings

4. LARGER HYDRAULIC PUMP

We've increased the size of our hydraulic pump with 12% greater displacement to increase flow at lower engine speeds and save on fuel.

5. TWO PIECE BOOM OPTION

915FCR EXTRA

Two piece boom option increases versatility with 300mm extra digging reach and flat bottom trench depth, plus 600mm increased dump height.

PERFORMANCE STATISTICS

x10

ATTACHMENT SETTINGS

x3

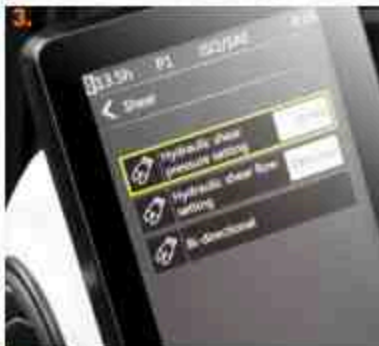
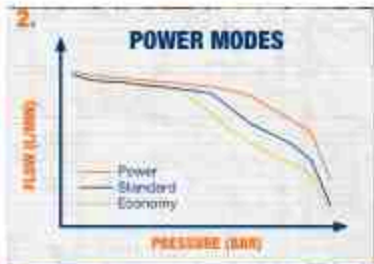
DEDICATED POWER MODES

+12%

INCREASE IN PUMP DISPLACEMENT



INCREASED VERSATILITY



SMART IDEAS IN ACTION

The all New FCR models have the perfect balance of toughness and intelligence designed to keep you in control.

**“ TOUGH DAYS GO FASTER
YOU'RE WORKING IN COMFO**





**WHEN
RT ”**

LIUGONG

COMFORT AND ERGONOMICS

DESIGNED AROUND THE OPERATOR



DESIGNED AROUND THE OPERATOR

Climb into the spacious cab and you'll know that it has been designed by a team that really knows what it's like to be an operator. Taking, listening and observing operators, our design team spend almost as much time in the cab as they do with the CAD. The result? One of the most ergonomic and comfortable cabs you can get.



COMFORT AND ERGONOMICS

1. PERFECT CONTROL

- From the ergonomically positioned non-slip pedals to the multi-functional joysticks, the cab interior represents a masterpiece in design.
- Every action and movement requires the minimum of effort from the operator.

2. YOUR CHOICE OF SEAT

Every operator is different, so we offer a range of seats and joystick configurations to suit everyone.

- Mechanical suspension standard seat.
- Comfort level, air suspension seat with adjustable lumbar support.
- Luxury level, heated air suspension seat with adjustable lumbar and premium padding.

2. IT'S SO QUIET

The cab is packed with comfort-enhancing technology; the NVH design reduces wind resistance and noise, and the silicone oil shock absorbers and CAE analysis all add up to the calmest and quietest operator experience possible.

3. INTUITIVE INTERFACE

We've designed the operator interface to be even more intuitive and easy to use. The large 8-inch LCD colour screen can be controlled via touchscreen or, by a fingertip navigational control dial conveniently sited in the armrest control panel.

2. MAKE IT YOUR PLACE

We never forget that a machine is not just a tool, it's your place for many hours a day (and night). So, we've remembered all the little things that make it feel like home.

- Large storage box and rack.
- Drinks holder.
- Phone holder with 12V charging, USB and AUX ports.

TICKS ALL THE RIGHT BOXES



INTUITIVE LCD OPERATOR CONSOLE



ERGONOMIC LAYOUT



FULLY PRESSURIZED (100PA)



ADVANCE AIR-CON AND TEMPERATURE CONTROL



PERFECTLY MATCHED TO YOU

The all new FCR models gives you the operating environment you would design for yourself.



ENHANCED VISIBILITY



CUSTOMIZABLE OPERATING HANDLE



**HIGH COMFORT, FULLY
ADJUSTABLE SEAT**



LOW NOISE AND LOW VIBRATION

**“ WE CONSTANTLY ASK...
MAKE OUR MACHINES EVEN**





HOW CAN WE SAFER ”



SAFETY AND VISIBILITY

DESIGNED TO PROTECT



SAFER ALL-ROUND

Being protected in the cab is important, but accident research shows us that most accidents occur outside of the machine. We've taken the challenges to make our machines even safer to be around.



SAFETY AND VISIBILITY

1. MORE PROTECTION WHERE YOU NEED IT

The driver protection system delivers even greater protection to the front and top of the cab and protects the operator from falling rocks and debris. The front screen has a hinge design making cleaning and maintenance easier.

2. WATCH YOUR STEP

- The new 0.5m wide stepped boarding channel with non-slip treadplates makes getting on and off the machine safer
- Optional guard rails or integral fences on the left and right sides of the upper platform increase safety and can be folded down for easy transportation.

3. EMERGENCY STOP

The ground level emergency stop switch is fitted as standard.

4. NO BLIND SPOTS

With 360-degree camera as standard in Europe, you can get an uninterrupted panoramic view around the machine at all angles from the large LCD screen.

5. SAFER AND MORE VERSATILE

- With a 1.52m tall swing, our new FCR models can work in the tightest of spaces.
- Shorter tail swing reduces potential collision damage.
- Creates a safer environment for those working around the machine.

6. SAFER MAINTENANCE ACCESS

No need to climb on the machine, all the daily maintenance points, including the oil level check point are easily accessible from the ground.

7. BE SAFE. BE SEEN

LED work light for better night visibility is fitted as standard.

BETTER BY DESIGN

LiuGong's Red Dot Award winning design team is rapidly building a reputation for un-matched buildability. When you can see more you can do more, whilst protecting yourself and people around the machine.

With the All New FCR models we've pushed the barriers and taken visibility another step forward.

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reddot design award



YOUR SAFETY - OUR PRIORITY

The all New FCR models have the perfect balance toughness and intelligence designed to keep you in control.

“ CAN DAILY MAINTENANCE
AS SIMPLE AS THIS? ”



E REALLY BE



UPTIME AND MAINTENANCE

DESIGNED TO BE EASY TO SERVICE AND MAINTAIN



EASY TO OWN AND EASY TO MAINTAIN

We understand that when your machine's not working, it's not earning. To maximize your productive hours, we've made the All new ECR models the easiest to maintain, helping you make every productive second count.



MAINTENANCE AND UPTIME

1. FULLY SYNCHRONIZED MAINTENANCE

Maintenance should be simple so to save you time, all engine oil filter replacement cycles have been synchronized.

2. MAINTENANCE FRIENDLY DESIGN

Our aim was to maximise uptime by making service and maintenance as convenient as possible. Our design team rose to the challenge delivering service and maintenance layout which is second to none.

3. NO RISK - LOW LEVEL ACCESS

Convenience and safety should never be compromised.

- The easy to access optional re-fuelling pump is safely stowed behind the bay door.
- All filters are located close to the bay doors for safe access and speedy maintenance.
- Low level access to DEF tank reduces the need to climb up onto the upper structure.

4. MAKING IT FASTER EVERYDAY

By grouping the greasing points together on the boom base, top of the dipper and slew bearing we make daily maintenance faster and easier.

5. 1000H MAINTENANCE CYCLE

Our red-designed air filter with large ash capacity now has a 1000-hour maintenance cycle - that's one job less to think about.

6. NO RUST, GREATER CAPACITY

Our plastic moulded fuel tank increases fuel capacity and will never rust, preventing filter blockage.

PERFORMANCE STATISTICS





SPECIFICATIONS 913F_{CR}

Operating weight	14,700-16,500 kg (32,400-36,375 lb)
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Operating weight includes coolant, hydraulic fluid and fuel tank with standard tools, hoses, winch, bucket and operator 75 kg.

Bucket capacity	0.96 - 0.75 cu ft (27-21.07 gal)
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ENGINE

Description

Cummins ISJ Stage V, turbocharged, 4 cylinders, 4 stroke, water cooled

Stroke ratio	ISJ Stage V
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Single manufacturer	Cummins
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Engine model	ISJ 6
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Displacement	3.8 L (0.9 gal)
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Rated speed	2,200 rpm
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Engine Output - Net (SAE J1994 / ISO 9249)	69.5 kW (93.7 hp) / 84.0 kW
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Engine Output Grade (SAE J1994 / ISO 9249)	15 kW (20.0 hp) / 10.7 kW
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Maximum torque	320 Nm (235 ft-lb) 41,583 rpm
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Bore x Stroke	102 x 116 mm (4.0" x 4.6")
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UNDERCARRIAGE

Track shoe each side	44 (1.71)
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Link pitch	175 mm (6.9") staggered
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Shoe width	303 (12.0") (ISO mm)
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Hydro ground	80" (2472.5)
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Bottom rollers each side	2
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Top rollers each side	1
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DRIVE SYSTEM

Swing speed	11.3 rpm
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Swing torque	38,780 ft-lb (52,722 N-m)
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HYDRAULIC SYSTEM

Main pump

Type	Two variable displacement piston pump
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Maximum flow	2 x 107 L/min
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Flow circuit	12 x 30.0 gal/min
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Relief valve setting

Maximum	34.3 / 5.0 MPa
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Pressure	(6.975 / 5.596 psi)
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Rated circuit	34.3 MPa (4,975 psi)
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Flow circuit	35.1 MPa (5,043 psi)
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Peak circuit	3.8 MPa (550 psi)
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Hydraulic cylinders

Bucket Cylinder - Bore x Stroke	2100 x 1,000 mm (82.7" x 39.4")
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Arm Cylinder - Bore x Stroke	2100 x 1,000 mm (82.7" x 39.4")
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Bucket Cylinder - Bore x Stroke	940 x 940 mm (37.0" x 37.0")
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ELECTRIC SYSTEM

System voltage	12 V
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Batteries	2x 12 V
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Alternator	12 V / 70 A
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Start motor	12 V / 6.8 kW (24 V - 8.8 kW)
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SERVICE CAPACITIES

Fuel tank	300 L (50.9 gal)
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Engine oil	12 L (3.2 gal)
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Final drive (each)	2.0 L (0.5 gal)
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Swing drive	1.1 L (0.3 gal)
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Cooling system	33 L (8.7 gal)
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Hydraulic reservoir	100 L (26.4 gal)
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Hydraulic system total	190 L (50.7 gal)
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DOF tank	25 L (6.6 gal)
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ENGINE PERFORMANCE

Interim Sueded Power Level ISO 2286	72.4 kW
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Exhaust Sueded Power Level ISO 2286	88.4 kW
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TIRES AND BRAKES

Description

Steering controlled by two hand levers with pedals.

Max. travel speed	High 4.3 km/h (2.7 mph) Low 2.0 km/h (1.3 mph)
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Gradability	35 / 70%
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Max. drawbar pull	122 kN (27,477 lb)
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DIMENSIONS

Bore		4300 mm
Arm Options	2300 mm	2300 mm
A Shipping Length	7,290 mm	7,290 mm
B Shipping Height	2,980 mm	3,100 mm
C Undercarriage Width - 600 mm (20") shoes		2,400 mm
600 mm (24") shoes		2,200 mm
700 mm (28") shoes		2,000 mm
D Shipping Length (as Guard)	6,420 mm	4,200 mm
E Track Gauge		1,900 mm
F Length to Center of Rollback		2,200 mm
G Track Length		3,660 mm
H Overall Width of Upper Structure		3,400 mm
J Overall Width of Upper Structure (excluding Cab Height)		2,370 mm
K Overall Width of Upper Structure (including Cab Floorline Wheel)		2,700 mm
L Tail Swing Radius		1,020 mm
M Distance of Swing Center to Blade		2,800 mm
N Counterweight Ground Clearance		820 mm
P Overall Height of Counterweight		2,200 mm
Q Overall Height of Cab		2,875 mm
Overall Height of Cab including Hyle		3,050 mm
Overall Height of Cab including FOP's Guard		3,070 mm
R Overall Height of Platform Harrow		2,320 mm
S Min. Ground Clearance		440 mm
T Track Shoe Width		100 mm
U Blade max. lifting height		100 mm
V Blade max. digging depth		575 mm



ARM DIMENSIONS

Arm	2,300 mm	2,300 mm
Length	3,000 mm	3,700 mm
Height	850 mm	700 mm
Width	400 mm	400 mm
Weight	940 kg	670 kg

Options change with dimensions

BOOM DIMENSIONS

Booms	1
Length	3,800 mm
Height	1,500 mm
Width	300 mm
Weight	1,170 kg

Options change with dimensions. Dimensions are approximate.

SPECIFICATIONS 913F_{CR}



WORKING RANGE

Model	913F _{CR}	913F _{CR}
Arm	2,500 mm	1,900 mm
A. Max. Digging Reach	6,710 mm	6,720 mm
B. Max. Digging Reach on Ground	6,190 mm	5,580 mm
C. Max. Digging Depth	5,490 mm	5,800 mm
D. Max. Digging Depth, 90° at 1st Joint	5,275 mm	5,700 mm
E. Max. Vertical Wall Digging Depth	5,030 mm	5,470 mm
F. Max. Cutting Height	6,800 mm	6,220 mm
G. Max. Dumping Height	6,520 mm	6,020 mm
H. Min. Front Swing Radius	2,320 mm	1,430 mm
Bucket Digging Force (kN)	Neutral	39.9 kN
	Power Boost	36.9 kN
Arm Digging Force (kN)	Neutral	44.2 kN
	Power Boost	39.1 kN
Bucket Capacity		0.3 m ³
Bucket Tip Radius		1,026 mm

MACHINE WEIGHTS & GROUND PRESSURE

Site width	Operating weight	Ground pressure	Ground width
	Operating weight, including 3,000 mm arm, 450 kg bucket, additional weight with loader, +1,000 kg		
300 mm	14,700 kg	44.9 kPa	2,490 mm
600 mm	14,800 kg	37.8 kPa	2,510 mm
700 mm	16,700 kg	32.8 kPa	2,690 mm
300 mm rubber crawler pads	14,700 kg	44.8 kPa	2,490 mm

BUCKET SELECTION GUIDE

Bucket type	Capacity	Cutting width	Weight	Teeth	4.3 to boom	
					2.5 m arm	2.8 m arm
Earth type	0.3 m ³	960 mm	470 kg	5.5A	0	0

The performance of the arm, boom and bucket is a system only. Based on typical operating conditions. Bucket capacity limited by SAE J1077. Always refer to the operator's manual for full details.

Other bucket models available:

- A. 1,200 x 1,200 mm (1) Tooth, Earth, 500 kg
- B. 1,400 x 1,200 mm (1) Tooth, Earth, 500 kg, 1,200 mm (1) Tooth, 500 kg
- C. 1,400 x 1,200 mm (1) Tooth, 500 kg, 1,200 mm (1) Tooth, 500 kg
- D. 1,200 mm (1) Tooth, 500 kg

NA: Not applicable.

Lifting capacity of the arm and without counter for lifting capacity including bucket, weight of the bucket is 200 kg and 400 kg for the load to be moved from the third position.

Lifting capacity has no relation to the maximum operating in a lift, which is specified in the lift.



Rating over 1000 (C2)



Rating over 1000 (C3)

1. The net capacity to lift or push any load that is greater than those values shown at four specified load radii are: height, weight and dimensions must be determined from the crane lifting operation.

2. The 4000 load line is compatible with ISO 15567 Hydraulic excavator 2.0 capacity rating (excepted). When the maximum 270° of rotation is lifting capacity by 10% being said.

3. Hydraulic actuator (stroke)

4. Lifting capacities are shown as maximum working in view, 30% of all other goods.

5. The crane the load is limited by hydraulic capacity lower than lifting capacity.

6. Operator should be fully acquainted with the Operator's and Manufacturer's instructions before operating this machine and that for the safe installation of equipment should be adhered to at all times.

LIFTING CAPACITY (MTR5)

P13PCR with 800 mm Boom, 4,600 mm Boom, 2,500 mm Arm.

Conditions

Boom length: 4.600mm
Arm length: 2.500 mm
Bucket: 1000
counterweight: 1.200 kg
Height: 300 mm (100 mm greater than Boom height)



A: load radius
B: load point height
C: Lifting capacity lifting
D: Rated load over front
E: Rated load over side

B/A (m)	1.8m		3.0m		4.6m		6m		MAX REACH		
	C1	C2	C1	C2	C1	C2	C1	C2	C1	C2	Distance
0	kg				3,000	3,000			3,000	2,000	5.4
4.8	kg				1,400	1,400	1,000	2,200	1,300	2,100	6.3
3	kg	1,500	1,700	1,300	1,400	1,200	2,200	1,800	1,700	6.9	
1.2	kg	1,400	1,500	1,300	1,300	1,400	2,000	1,500	1,600	7	
ground	kg	1,200	1,300	1,100	1,100	1,200	2,200	1,400	1,600	6.9	
-1.4	kg	1,100	1,100	1,000	1,100	1,000	2,000	1,300	1,600	6.4	
-3	kg	1,300	1,100	1,100	1,200	1,300	1,900	1,700	2,300	5.4	

LIFTING CAPACITY (MTR6)

P13PCR with 800 mm Boom, 4,600 mm Boom, 2,500 mm Arm.

Conditions

Boom length: 4.600mm
Arm length: 2.500 mm
Bucket: 1000
counterweight: 1.200 kg
Height: 300 mm (100 mm greater than Boom height)



A: load radius
B: load point height
C: Lifting capacity lifting
D: Rated load over front
E: Rated load over side

B/A (m)	1.8m		3.0m		4.6m		6m		MAX REACH		
	C1	C2	C1	C2	C1	C2	C1	C2	C1	C2	Distance
0	kg				3,000	3,000			3,000	2,000	5.4
4.8	kg				1,400	1,400	1,000	2,200	1,300	2,100	6.3
3	kg	1,500	1,700	1,300	1,400	1,200	2,200	1,800	1,700	6.9	
1.2	kg	1,400	1,500	1,300	1,300	1,400	2,000	1,500	1,600	7	
ground	kg	1,200	1,300	1,100	1,100	1,200	2,200	1,400	1,600	6.9	
-1.4	kg	1,300	1,300	1,000	1,100	1,200	1,900	1,300	1,600	6.4	
-3	kg	1,100	1,100	1,100	1,200	1,300	2,000	1,700	2,300	5.4	

SPECIFICATIONS 913F_{CR}

1. 2042 mm (6' 8 1/2") at the end of wheel track.
For heavy capacity unloading system, weight of the bucket at the charge with loose material must be included from the lifting capacity.

2. Lifting capacity based on the machine's standing on a firm, uniform supporting surface.



3. Do not attempt to lift or hold out load that is greater than three times rated capacity of the applicable load table and height. Weight of all cables must be included from the crane lifting capacity.

4. The rated load and its distribution with 50% (50% Hydraulic Excavator) lift capacity being exceeded. Try to distribute 40% of hydraulic lift capacity to the 70% heavy load.
5. Not to exceed 10 ft/min.

6. Lifting speed has to be reduced to ensure stability without the load before hoist.

7. Reduce the load if driven by Auxiliary Hydraulic Pumps that are used out.

8. Operator should be fully acquainted with the Operator's and Maintenance manuals before using equipment. The operator and value for the safe operation of equipment should be adhered to at all times.

LIFTING CAPACITY (METRIC)

913F_{CR} with 700 mm Shoes, 4,800 mm Boom, 2,900 mm Arm

- A. Load table
- B. Load chart height
- C. Lifting capacity using
- D. Rated load per foot
- E. Rated load per side

Conditions

- Boom length: 4,000 mm
- Arm length: 2,000 mm
- Bucket: None
- Counterweight: 3,000 kg
- Shoes: 700 mm (29 in) per side from track shoe



B/W (kg)	1.5m		3.0m		4.5m		6m		MAX REACH		Distance
	Ca	Cb	Cc	Cd	Ce	Cf	Cg	Ch	Di	De	
8	kg				7,800	7,800			7,800	7,800	2.4
4.5	kg				7,800	5,700	15,000	2,800	7,800	2,900	6.5
3	kg			16,000	11,000	14,000	3,000	3,700	2,800	7,800	6.6
1.5	kg			16,400	2,700	5,800	3,000	3,600	2,800	7,800	7
ground	kg			7,200	6,200	5,200	3,000	3,400	2,400	7,400	6.6
-1.1	kg	5,100	-1,100	16,800	3,200	5,200	3,000	3,400	2,100	7,800	6.4
-2	kg	11,100	1,100	17,800	3,400	4,800	3,000		1,700	7,400	2.4

LIFTING CAPACITY (METRIC)

913F_{CR} with 850 mm Rubber Shoes, 4,800 mm Boom, 2,900 mm Arm

- A. Load table
- B. Load chart height
- C. Lifting capacity using
- D. Rated load per foot
- E. Rated load per side

Conditions

- Boom length: 4,000 mm
- Arm length: 2,000 mm
- Bucket: None
- Counterweight: 3,000 kg
- Shoes: 850 mm (33 in) per side from track shoe



B/W (kg)	1.5m		3.0m		4.5m		6m		MAX REACH		Distance
	Di	De	Cc	Cd	Ce	Cf	Cg	Ch	Di	De	
8	kg				7,800	7,800			7,800	7,800	2.4
4.5	kg				7,800	5,900	15,000	2,200	7,800	2,900	6.5
3	kg			16,500	11,000	14,000	3,400	3,500	2,800	7,800	6.6
1.5	kg			16,400	3,400	6,300	3,000	3,400	2,700	7,200	7
ground	kg			7,200	6,100	5,000	2,900	3,300	2,300	7,400	6.6
-1.1	kg	5,100	-1,100	16,800	3,100	4,900	2,900	3,300	1,900	7,800	6.4
-2	kg	11,100	1,100	17,800	3,200	4,800	2,900		1,700	7,400	2.4

1. 2542 mm (ft) at the end of wheel track.
For heavy capacity vehicles, weight of the bucket of the truck with boom should not be included from the lifting capacity.

Lifting capacity based on the machine standing on a firm, uniform supporting surface.



1. Do not attempt to lift or hold any load that is greater than these rated values at the specified load radius and height. Weight of all attached equipment is included from the rated lifting capacity.

- The rated load and its distribution with 500 (1647) Hydraulic Buckets are factory loading standard. They do not exceed 40% of hydraulic lifting capacity or 70% bearing load.
- Do not exceed 10 tons.

4. Lifting height has to be based on machine standing normal for rated performance.

5. Reduce the load if driven by Auxiliary Hydraulic Pumps that are not standard.

6. Operator should be fully acquainted with the Operator's and Maintenance manuals before operating the machine and follow the safety operation of equipment should be followed in all cases.

LIFTING CAPACITY (METRIC)

933PCR with 100 mm Shear, 4,000 mm Boom, 2,000 mm Arm

- Load radius
- Load point height
- Lifting capacity (kg)
- Rated load over time
- Rated load over one

Conditions

- Boom length: 4,000 mm
- Arm length: 2,000 mm
- Bucket: None
- Counterweight: 1,200 kg
- Shear: 100 mm (top groove) Shear
- Boom: 100 mm



B/A (kg)	1.5m		3.0m		4.5m		6m		MAX REACH		Distance
	Ca	Cb	Cf	Ca	Cf	Ca	Cb	Cf	Ca	Cb	
0					9,200	9,000			9,000	9,000	3.0
4.5					9,400	9,400	9,200	9,200	9,000	9,000	6.0
9			9,400	9,400	9,100	9,400	9,000	9,000	9,000	9,000	7.5
13.5			9,800	9,800	9,000	9,200	9,000	9,000	9,000	9,000	7.4
ground			9,800	9,200	9,000	9,000	9,000	9,000	9,000	9,000	7.3
-1.5	9,700	9,700	9,800	9,200	9,000	9,000	9,000	9,000	9,000	9,000	6.6
-3	9,900	9,900	9,800	9,100	9,000	9,000			9,000	9,000	5.9
-4.5			9,000	9,000					9,000	9,000	4.4

LIFTING CAPACITY (METRIC)

933PCR with 100 mm Shear, 4,000 mm Boom, 2,000 mm Arm

- Load radius
- Load point height
- Lifting capacity (kg)
- Rated load over time
- Rated load over one

Conditions

- Boom length: 4,000 mm
- Arm length: 2,000 mm
- Bucket: None
- Counterweight: 1,200 kg
- Shear: 100 mm (top groove) Shear
- Boom: 100 mm



B/A (kg)	1.5m		3.0m		4.5m		6m		MAX REACH		Distance
	Cf	Ca	Cf	Ca	Cf	Ca	Cf	Ca	Cf	Ca	
0					9,200	9,000			9,000	9,000	3.0
4.5					9,400	9,400	9,200	9,200	9,000	9,000	6.0
9			9,400	9,400	9,100	9,400	9,000	9,000	9,000	9,000	7.5
13.5			9,800	9,700	9,000	9,200	9,000	9,000	9,000	9,000	7.4
ground			9,800	9,200	9,000	9,000	9,000	9,000	9,000	9,000	7.3
-1.5	9,700	9,700	9,800	9,200	9,000	9,000	9,000	9,000	9,000	9,000	6.6
-3	9,900	9,900	9,800	9,200	9,000	9,000			9,000	9,000	5.9
-4.5			9,000	9,000					9,000	9,000	4.4

SPECIFICATIONS 913FCR

Lifting capacity at the end of outreach (kg)

For 913FCR capacity including bucket weight of the boom at the end of outreach, bucket weight shall be assumed from the following table.

Lifting speed has to be based on the machine's working on a firm, uniform supporting surface.



Working on a firm surface



Working on a soft surface

1. Do not exceed the 913FCR's rated payload. It is greater than the rated payload of the specified load height and height. Height of arrangement should be subjected from the above table (913FCR).

2. The 913FCR is in compliance with ISO 4467 Hydraulic Suspended Lift Capacity Rating Standard. They do not exceed 92% of the rated lifting capacity in 913FCR's boom load.

3. Paying attention to the following points:

4. Lifting capacity will be based on machine standing on firm, firm supporting ground.

5. The boom lift load is limited by hydraulic capacity (250 bar) (see table 4.1).

6. Operator should be fully acquainted with the Operator's and Maintenance instructions before operating this machine and before lifting and quantity of equipment should be referred to it at all times.

LIFTING CAPACITY (METRE)

913FCR with 700 mm Shoes, 4,600 mm Boom, 2,900 mm Arm

A. Load table

B. Load point height

C. Lifting capacity (kg)

D. Rated boom over front

E. Rated reach over side

Conditions

Boom length: 4,600 mm

Arm length: 2,900 mm

Bucket: 1100

Rated weight: 2,245 kg

Max. 50 mm (4 in) fork from

boom base



BoW (kg)	1.5m		3.0m		4.5m		6m		MAX REACH		Distance
	CF	CS	CF	CS	CF	CS	CF	CS	CF	CS	
0					7,200	7,000			7,700	7,700	3.9
4.5					7,400	7,400	7,000	2,400	7,600	7,600	3.8
9			5,400	5,400	4,100	3,800	3,000	2,300	3,800	7,600	7.3
13.5			7,800	6,800	5,100	3,500	3,000	2,200	3,000	3,000	7.4
ground			7,800	3,800	3,800	3,200	3,000	2,400	3,900	3,900	7.3
-1.5	7,700	4,700	9,800	3,200	5,200	3,000	3,400	2,000	2,400	3,700	3.8
-3	7,000	7,300	7,800	3,200	3,200	3,000			3,800	2,100	3.9
-4.5			9,200	7,000					7,100	7,000	4.4

LIFTING CAPACITY (METRE)

913FCR with 500 mm Rubber Shoes, 4,600 mm Boom, 2,900 mm Arm

A. Load table

B. Load point height

C. Lifting capacity (kg)

D. Rated boom over front

E. Rated reach over side

Conditions

Boom length: 4,600 mm

Arm length: 2,900 mm

Bucket: 1100

Rated weight: 2,245 kg

Max. 50 mm (4 in) fork from

boom base



BoW (kg)	1.5m		3.0m		4.5m		6m		MAX REACH		Distance
	CF	CS	CF	CS	CF	CS	CF	CS	CF	CS	
0					7,200	7,000			7,700	7,700	3.9
4.5					7,400	7,400	7,000	2,400	7,600	7,600	3.8
9			5,400	5,400	4,700	3,900	3,000	2,300	3,800	7,600	7.3
13.5			7,800	6,800	5,100	3,500	3,400	2,200	3,000	3,000	7.4
ground			7,800	3,200	3,700	3,300	3,000	2,000	3,800	3,200	7.3
-1.5	7,700	4,700	9,800	3,000	4,800	3,000	3,300	1,800	3,400	3,600	3.8
-3	7,000	7,300	7,800	3,100	3,200	3,000			3,800	2,000	3.9
-4.5			9,200	7,000					7,100	7,000	4.4

Lifting capacity at the end of outreach (max):
For 50% capacity including hook, weight of the
boom at the end and other weight that is
incurred from fueling stations.

Lifting based on the load on the mounted
hooking or other, when supporting surface.



Rating over 40000



Rating over 20000

1. Do not exceed 10% of rated payload with a
greater than theoretical value of the specified
load height and height of attachment
point for hydraulic (see the above table
3000799).

2. The 2000799 is in compliance with ISO
4467 Hydraulic Cylinders Lift Capacity Rating
Standard. They do not exceed 95% of the rated
lifting capacity in 95% towing load.

3. Paying of load is not.

4. Lifting capacity is based on electric starting
motor, 3000799 (9000).

5. The load is not to exceed by hydraulic
capacity (see the above table 3000799).

6. Operator should be fully acquainted with the
Operator's and Maintenance Instructions before
operating this machine and before lifting with
quantity of equipment should be referred to all
of them.

LIFTING CAPACITY (METRIC)

500PCR with 900 mm Booms, 4,000 mm Booms, 2,000 mm Arm

A: Load weight

B: Load point height

C: Lifting capacity (kg)

D1: Rated boom over 4000

D2: Rated boom over 2000

Conditions

Swing angle: 400mm

Arm height: 2,200 mm

Swivel: 90°

Counterweight: 1,200 kg

Boom: 500 mm single ground boom

Boom: 90°



Booms Down

B/W (kg)	1.5m		3.0m		4.5m		6m		MAX REACH		
	D1	D2	D1	D2	D1	D2	D1	D2	D1	D2	Distance
5	kg				1,000	800			1,200	1,000	5.4
4.5	kg				900	700	1,000	800	1,000	800	5.3
3	kg		8,400	6,100	4,500	3,100	1,800	1,350	1,500	1,100	6.0
1.5	kg		8,400	6,300	3,600	2,600	1,300	1,050	1,100	800	7
ground	kg		7,200	6,000	3,600	2,600	1,300	1,050	1,400	1,000	6.0
-1.5	kg	-5,100	-6,100	8,600	6,000	3,600	2,600	1,300	1,050	1,000	6.4
-3	kg	4,100	5,100	11,000	8,100	4,900	3,600		1,700	1,200	6.4

Booms Up

B/W (kg)	1.5m		3.0m		4.5m		6m		MAX REACH		
	D1	D2	D1	D2	D1	D2	D1	D2	D1	D2	Distance
5	kg				1,000	800			1,200	1,000	5.4
4.5	kg				900	700	1,000	800	1,000	800	5.3
3	kg		8,400	6,100	4,500	3,100	1,800	1,350	1,500	1,100	6.0
1.5	kg		8,400	6,300	3,600	2,600	1,300	1,050	1,100	800	7
ground	kg		7,200	6,000	3,600	2,600	1,300	1,050	1,400	1,000	6.0
-1.5	kg	-5,100	-6,100	8,600	6,000	3,600	2,600	1,300	1,050	1,000	6.4
-3	kg	4,100	5,100	11,000	8,100	4,900	3,600		1,700	1,200	6.4

SPECIFICATIONS 913F_{CR}

Lifting capacity at the end of full blade.
For lifting capacity including height, weight of the bucket at the rated lift, and the load to be attached, see the lifting capacities.

Lifting capacities are based on the machine standing on a firm, uniform supporting surface.



Standing on firm soil



Lifting over side

- Do not attempt to lift a load without first making sure that the rated capacity of the rated lift has been reduced to the correct value for the rated lift height and boom height or all accessories must be removed from the rated lift height.
- The rated capacity is calculated at 100% rated hydraulic flow and 100% rated hydraulic pressure. These are maximums (75% of rated lift capacity) at 75% boom load.
- Always attach the lift line.

- Lifting capacities are based on machine standing upright, fully extended boom.
- Use the rated lift line as shown by hydraulic capacity label for lifting capacity.
- Operator should be fully trained in using the Operator's and Maintenance instructions along with the machine and also for the safe use of all equipment attached to the lift line.

LIFTING CAPACITY (METRIC)

913F_{CR} with 610 mm Blade, 4,000 mm Boom, 2,910 mm Arm

- B. Full height
 C. Full reach height
 D. Full capacity lifting
 E. Full rated lift line
 F. Rated lift line only

Conditions

Boom weight 4,000 kg
 Arm weight 2,910 kg
 Rated lift line
 maximum weight 1,000 kg
 Rated lift line 610 mm, 4,000 mm
 Boom, YES



Blade Down

B/A (kg)	1.5m		3.0m		4.5m		6m		MAX REACH		
	D	E	D	E	D	E	D	E	D	E	Distance
B	kg				1,800	1,400			2,000	2,000	5.4
B.5	kg				1,800	1,400	1,200	1,200	2,200	2,000	5.2
B	kg		1,100	1,100	1,000	1,000	1,000	1,200	1,000	1,700	5.9
B.5	kg		1,400	1,400	1,300	1,300	1,100	1,100	2,200	1,800	7
ground	kg		1,200	1,100	1,400	1,400	1,300	1,000	2,400	1,800	5.9
1.5	kg	1,100	1,100	1,400	1,400	1,300	1,400	1,100	2,400	1,800	5.4
3	kg	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,700	1,300	5.4

Blade Up

B/A (kg)	1.5m		3.0m		4.5m		6m		MAX REACH		
	D	E	D	E	D	E	D	E	D	E	Distance
B	kg				1,800	1,400			2,000	2,000	5.4
B.5	kg				1,800	1,400	1,200	1,200	2,200	2,000	5.2
B	kg		1,100	1,100	1,000	1,000	1,000	1,200	1,000	1,700	5.9
B.5	kg		1,400	1,400	1,300	1,300	1,100	1,100	2,200	1,800	7
ground	kg		1,200	1,100	1,200	1,200	1,400	1,000	2,400	1,800	5.9
1.5	kg	1,100	1,100	1,400	1,400	1,300	1,400	1,100	2,400	1,800	5.4
3	kg	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,700	1,300	5.4

Lifting capacity at the end of full load:
For lifting capacity including height, weight of the load at the end of lift, once the lift has been attached to the lifting apparatus.

Lifting capacity on basis of the existing standing on a firm, uniform supporting surface.



Standing on firm ground



Lifting over the side

1. Do not attempt to lift a load which has a greater than 20% rated capacity of the rated load that value and height. Height or all accessories need to be included from the above lifting capacity.

2. The rated capacity is calculated at 0.90 GSE (GSE) according to EN 1495 for lifting platform. This is equivalent to a 10% safety margin (90% safety load).

3. Always attached lift line.

4. Lifting possible on uneven or uneven standing surface, firm and firm ground.

5. Safety load of the lift is limited by hydraulic capacity (max flow) lifting capacity.

6. Operator should be fully trained in use of the Operator's and Maintenance instructions always carrying the machine and also for the safe removal of equipment should be advised to all sites.

LIFTING CAPACITY (METRE)

310FCR with 700 steel blades, 4,000 steel blades, 2,000 steel blades

- A. Load height
- B. Load plate height
- C. Lifting capacity (kg)
- D. Rated load steel blade
- E. Rated load over side

Conditions

Blade length: 6000mm
 non-leaf: 2000mm
 Wheel type
 counterweight: 1,000kg
 speed: 200mm/min ground speed
 blade: 175



Blade Down

B.W (kg)	1.5m		3.0m		4.5m		6m		MAX REACH			
	Cl	Ca	Cl	Ca	Cl	Ca	Cl	Ca	Cl	Ca	Distance	
0	kg				1,820	1,820			1,820	1,820	5.4	
4.5	kg				1,820	1,820	1,300	1,300	1,300	1,100	6.3	
5	kg		1,100	1,100	1,020	1,020	1,020	1,250	1,020	1,020	6.6	
10	kg		1,400	1,300	1,350	1,150	1,100	1,350	1,100	1,100	7	
ground	kg		1,200	1,200	1,800	1,800	1,800	1,650	1,400	1,100	6.6	
-1.5	kg	1,100	1,100	1,400	1,100	1,800	1,900	1,200	1,200	1,600	1,600	6.4
-3	kg	1,100	1,100	1,100	1,200	1,800	1,600		1,700	1,300	6.4	

Blade Up

B.W (kg)	1.5m		3.0m		4.5m		6m		MAX REACH			
	Cl	Ca	Cl	Ca	Cl	Ca	Cl	Ca	Cl	Ca	Distance	
5	kg				1,820	1,820			1,820	1,820	5.4	
4.5	kg				1,820	1,800	1,100	1,100	1,300	1,100	6.3	
5	kg		1,100	1,100	1,020	1,020	1,100	1,250	1,020	1,020	6.6	
10	kg		1,400	1,300	1,350	1,150	1,040	1,350	1,100	1,100	7	
ground	kg		1,200	1,200	1,800	1,800	1,800	1,650	1,400	1,100	6.6	
-1.5	kg	1,100	1,100	1,400	1,100	1,800	1,900	1,200	1,200	1,600	1,600	6.4
-3	kg	1,100	1,100	1,100	1,200	1,800	1,600		1,700	1,300	6.4	

SPECIFICATIONS 913F_{CR}

Lifting capacity at the end of extend boom:

For 913F_{CR} capacity including bucket weight of 1,000 kg (2,200 lbs) plus weight that is deducted from lifting capacity.

Lifting based on the load on the mounted hoisting or other, external supporting surface:



Hoisting over 4.0 (10')



Hoisting over 6.0 (20')

1. Do not exceed 10% of rated capacity with a bucket that exceeds twice of the specified load height and height of attachment used for hoisting from the above string (3000779).

2. The 913F_{CR} is in compliance with ISO 4467 Hydraulic Capacities Lifting Capacity limited. They do not exceed 92% of rated lifting capacity or 75% hoisting load.

3. Support of bucket is not.

4. Lifting capacity is based on electric standby system, 30% utilization only.

5. The load to be lifted is lifted by hydraulic capacity (20% of rated capacity).

6. Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine and before lifting with capacity of equipment should be referred to all of them.

LIFTING CAPACITY (METRIC)

913F_{CR} with 500 mm Rubber Shoes, 4,000 mm Boom, 2,500 mm Arm

Conditions

Rated length: 4,000 mm
 Arm height: 2,500 mm
 Rated Hoist
 Machine type: 5,000 kg
 Boom, 200mm (8.0") track gauge
 Hook: TEE

- A: Full capacity
 B: Maximum height
 C: Lifting capacity (kg)
 D: Rated load (kg) at
 E: Rated load (m/min)



Blade Down

B/A (kg)	1.2m		3.0m		4.0m		6m		MAX REACH			
	C	Ea	C	Ea	C	Ea	C	Ea	C	Ea	Distance	
8	kg				19,000	3,800			2,200	3,200	5.4	
4.5	kg				13,800	5,500	13,300	3,300	2,300	3,000	6.2	
3	kg		9,700	4,100	14,000	5,500	13,000	2,900	1,900	1,700	6.9	
1.5	kg		14,400	5,900	13,800	5,500	12,100	2,000	2,500	1,800	7	
ground	kg		17,200	6,000	14,500	5,800	13,500	1,900	2,400	1,600	6.9	
11.5	kg	5,100	5,100	16,800	4,800	13,800	2,800	14,200	1,800	2,900	1,700	6.4
9	kg	9,100	16,100	17,100	5,200	14,900	2,800		3,700	2,200	5.4	

Blade Up

B/A (kg)	1.2m		3.0m		4.0m		6m		MAX REACH			
	C	Ea	C	Ea	C	Ea	C	Ea	C	Ea	Distance	
8	kg				14,200	3,800			2,000	3,200	5.4	
4.5	kg				13,800	5,500	13,300	3,300	2,300	3,000	6.2	
3	kg		9,700	4,100	14,000	5,500	13,000	2,900	1,900	1,700	6.9	
1.5	kg		14,400	5,900	13,800	5,500	12,100	2,000	2,500	1,800	7	
ground	kg		17,200	6,000	14,100	5,800	13,500	1,900	2,400	1,600	6.9	
11.5	kg	5,100	5,100	16,800	4,800	13,800	2,800	13,800	1,800	2,900	1,700	6.4
9	kg	9,100	16,100	17,100	5,200	14,900	2,800		3,700	2,200	5.4	

Lifting capacity at the end of outreach (mm):
For lifting capacity including hook, weight of the hoist of the crane and other weight that be deducted from lifting capacity.

Lifting speed (mm/min) based on the mounted hoisting system, without supporting surface.



Hoisting speed (mm/min)



Hoisting speed (mm/min)

1. Do not exceed 10% of rated payload with a jockey that has rated jockey of less specified load rated and height, height of arrangement should be deducted from the above lifting capacity.

2. The jockey shall be in compliance with ISO 4467 Methods (except L3, Capacity Rating 3) rated. They do not exceed 95% of rated lifting capacity or 75% towing load.

3. Support of loaded hoist.

4. Lifting capacity will be in the crane standard.

5. The crane shall be used by hydraulic capacity (20% of rated capacity).

6. Operator should be fully acquainted with Operator's and Maintenance instructions before operating this machine and before lifting with capacity of equipment should be referred to all all data.

LIFTING CAPACITY (METRE)

RTPCR with 100 mm Steels, 4,000 mm Boom, 2,000 mm Arm

A. Hoist weight

B. Jockey rated height

C. Lifting capacity (kg)

D1. Rated boom over jock

D2. Rated reach over jock

Condition

Steel length: 100 mm

Arm height: 2,000 mm

Boom: 4,000

Counterweight: 2,000 kg

Steel: 300 mm plate ground steel

Steel: 100



Blade Down

B/W (m)	1.5m		3.0m		4.5m		6m		MAX REACH		Distance
	D1	D2	D1	D2	D1	D2	D1	D2	D1	D2	
0	kg				7,200	7,200			7,200	7,200	3.0
4.3	kg				7,400	7,400	7,200	2,200	7,600	7,600	3.0
0	kg		5,400	5,400	4,100	3,400	3,000	2,200	3,800	3,800	7.3
1.3	kg		7,800	3,300	5,100	3,700	3,000	2,000	3,000	3,000	7.4
ground	kg		7,800	3,300	5,700	2,900	3,000	1,900	3,900	3,900	7.3
-1.3	kg	7,700	4,700	6,800	4,300	5,800	2,600	4,200	3,800	2,400	3.0
-2	kg	7,500	7,300	7,800	5,100	5,200	2,800		3,800	2,000	3.0
-4.3	kg		7,200	7,200					7,100	3,000	4.4

Blade Up

B/W (m)	1.5m		3.0m		4.5m		6m		MAX REACH		Distance
	D1	D2	D1	D2	D1	D2	D1	D2	D1	D2	
0	kg				7,200	7,200			7,200	7,200	3.0
4.3	kg				7,400	7,400	7,200	2,200	7,600	7,600	3.0
0	kg		5,400	5,400	4,100	3,400	3,000	2,200	3,800	3,800	7.3
1.3	kg		7,800	3,300	5,100	3,700	3,000	2,000	3,000	3,000	7.4
ground	kg		7,800	3,300	5,500	2,900	3,000	1,900	3,900	3,900	7.3
-1.3	kg	7,700	4,700	6,800	4,300	5,800	2,600	4,200	3,800	2,400	3.0
-2	kg	7,500	7,300	7,800	5,100	5,200	2,800		3,800	2,000	3.0
-4.3	kg		7,200	7,200					7,100	3,000	4.4

SPECIFICATIONS 913F_{CR}

LIFTING CAPACITY (METRIC)

For lifting capacity, including bucket, weight of the load at 2nd grade with slack chains must be measured from the lifting position.

Lifting capacity is based on the machine standing on a firm, uniform supporting surface.



1. Do not attempt to lift a load or load that is greater than the rated value at any location that is not at and height, weight or dimensions set to achieve from the rated lifting capacity.

2. The rated value is calculated with 50% (100% without) factor of safety for lifting. Lifting capacity is 75% of rated lifting capacity or 75% of rated lift. Lifting capacity is 75% of rated lift.

4. Lifting capacity is based on maximum standing surface of the machine.

5. To obtain the load is lifted by hydraulic, capacity is based on the rated lift.

6. Operator should be fully instructed with the Operator's and Maintenance manuals before operating the machine and value for the safe operation of the machine should be followed to it all times.

LIFTING CAPACITY (METRIC)

913F_{CR} with 920 mm Bucket, 4,800 mm Boom, 2,900 mm Arm

- A. Load factor
- B. Load height
- C. Lifting capacity (kg)
- D. Rated lift (kg)
- E. Rated lift (kg)

Conditions

- Boom length: 4,000 mm
- Arm length: 2,900 mm
- Bucket full
- Counterweight: 3,000 kg
- Max. 90°/10° type ground stress
- Stab: 72°



Blade Down

B/A (m)	1.5m		3.0m		4.5m		6m		MAX REACH		
	Ca	Cb	Cf	Ca	Cf	Ca	Cb	Cf	Cg	Ch	Distance
0	kg				5,200	5,000			5,000	5,000	5.0
4.5	kg				3,400	3,400	3,200	3,000	3,000	3,000	4.5
3	kg		5,400	5,400	4,700	4,500	3,600	3,200	3,000	3,000	3.0
1.5	kg		7,800	5,000	5,000	3,500	4,000	2,900	2,800	3,000	1.5
ground	kg		7,800	5,100	5,700	2,900	5,300	3,000	3,200	3,000	0.0
-1.5	kg	4,700	4,700	6,800	3,000	5,800	2,800	4,200	1,800	2,400	0.0
-3	kg	7,900	7,900	7,200	5,100	5,300	2,800		5,300	2,000	3.0
-4.5	kg		5,200	5,000					3,000	3,000	4.5

Blade Up

B/A (m)	1.5m		3.0m		4.5m		6m		MAX REACH		
	Cf	Ca	Cf	Ca	Cf	Ca	Cf	Ca	Cf	Ca	Distance
0	kg				5,200	5,000			5,000	5,000	5.0
4.5	kg				3,400	3,400	3,200	3,000	3,000	3,000	4.5
3	kg		5,400	5,400	4,700	4,500	3,600	3,200	3,000	3,000	3.0
1.5	kg		7,800	5,000	5,000	3,500	4,000	2,900	2,800	3,000	1.5
ground	kg		7,800	5,100	5,700	2,900	5,300	3,000	3,200	3,000	0.0
-1.5	kg	4,700	4,700	6,800	3,000	5,800	2,800	4,200	1,800	2,400	0.0
-3	kg	7,900	7,900	7,200	5,100	5,300	2,800		5,300	2,000	3.0
-4.5	kg		5,200	5,000					3,000	3,000	4.5

LIFTING CAPACITY (METRE)

For lifting capacity including bucket, weight of the bucket or platform with stick (when not to be reached from the lifting operation).

Lifting capacity is based on the machine standing on a firm, uniform supporting surface.



Normal person (170 cm)



Person with bucket (170 cm)

1. Do not attempt to lift or hold out load that is greater than the rated value at that location (at that point and height). Weight or dimensions may be reduced from the above lifting capacities.

2. The rated value is calculated with 50% (50%) stability factor on a fully loaded bucket. They do not exceed 75% of rated lifting capacity or 75% lifting ton.

3. Reduce capacity if wind.

4. Lifting height has an effect on machine stability. Do not lift the bucket higher than 4.5m.

5. To extend the load is added by 100% capacity (to be 100% of rated).

6. Operator should be fully acquainted with the Operator's and Manufacturer's manual before operating the machine and value for the safe quantity of load must be followed to it all times.

LIFTING CAPACITY (METRE)

954PCR with 700 arm Boom, 4,600 arm Boom, 2,900 arm Arm

- A. Load height
- B. Load point height
- C. Lifting capacity (kg)
- D1. Bucket capacity (kg)
- D2. Rated load (kg)

Conditions

- Boom length: 4,000 mm
- Arm length: 2,000 mm
- Bucket full
- Counterweight: 3,000 kg
- Max. 700 mm type platform from Boom: 400



Blade Down

B/A (m)	5.5m		3.0m		4.5m		0m		MAX REACH		Distance
	D1	D2	C1	D2	C1	D2	C1	D2	C1	D2	
0					5,200	5,000			5,000	5,000	3.0
4.5					3,400	3,400	3,200	2,800	3,000	3,000	4.5
3			5,400	5,400	4,700	5,000	3,600	2,200	5,000	5,000	3.0
1.5			7,800	5,700	5,000	5,200	4,000	2,500	5,000	5,000	1.5
ground			7,800	5,200	5,700	5,000	5,000	2,000	5,000	5,000	0.0
-1.5	4,700	4,700	6,800	5,100	5,800	2,800	4,200	2,000	5,400	5,000	6.6
-3	7,800	7,800	7,200	5,200	5,300	2,800			5,000	2,000	3.0
-4.5			5,200	5,000					5,000	5,000	4.5

Blade Up

B/A (m)	5.5m		3.0m		4.5m		0m		MAX REACH		Distance
	C1	C2	C1	C2	C1	C2	C1	C2	C1	C2	
0					5,200	5,000			5,000	5,000	3.0
4.5					3,400	3,400	3,200	2,800	3,000	3,000	4.5
3			5,400	5,400	4,700	5,000	3,600	2,200	5,000	5,000	3.0
1.5			7,800	5,700	5,000	5,200	4,000	2,500	5,000	5,000	1.5
ground			7,800	5,200	5,700	5,000	5,000	2,000	5,000	5,000	0.0
-1.5	4,700	4,700	6,800	5,100	5,800	2,800	4,200	2,000	5,400	5,000	6.6
-3	7,800	7,800	7,200	5,200	5,300	2,800			5,000	2,000	3.0
-4.5			5,200	5,000					5,000	5,000	4.5

SPECIFICATIONS 913F_{CR}

1. 25kg capacity of the arm and wheel loader.
For 25kg capacity including bucket, weight of the bucket or the truck and stack height must be selected from the lifting capacity table.

2. 25kg load limit are based on the machine standing on a firm, uniform supporting surface.



Bucket capacity 2500kg



Truck capacity 2500kg

1. 25kg capacity of the arm and wheel loader is greater than the maximum capacity of any specified load table and height. Weight of all accessories used for installation must also be taken into account.
2. The rated lift capacity is applicable only to the rated hydraulic pressure (17.5MPa) being supplied. They are not rated 40% of hydraulic lifting capacity to 10% being load.
3. Hydraulic system pressure.

4. Lifting capacity is reduced to maximum handling capacity. The rated capacity is greater.
5. Technical data is linked to technical capacity table for the lifting capacity.
6. Capacity should be selected according to the Operator's and Maintenance instructions before operating the machine and also for a safe operation of equipment should be referred to it at all times.

LIFTING CAPACITY (METRIC)

913F_{CR} with 520mm Rubber Shoes, 4,000mm Boom, 2,500mm Arm

- A. Load height
- B. Interpoint height
- C. Lifting capacity of leg
- D. Forks reach over foot
- E. Forks reach over toe

Conditions

- 1. Maximum height
- 2. Arm length 2,000mm
- 3. Bucket height
- 4. Interpoint height 2,700mm
- 5. Forks 520mm rubber fork shoes
- 6. Size 122



		Blade Down										
Bk (kg)		1.5m		3.0m		4.5m		6m		MAX REACH		
		C1	C2	C1	C2	C1	C2	C1	C2	C1	C2	Distance
0	kg					2,200	2,200			1,700	1,700	3.0
4.5	kg					2,420	2,420	2,200	2,200	1,800	1,800	3.8
9	kg			2,400	2,400	4,100	4,100	2,800	2,750	1,900	1,900	7.3
13.5	kg			2,800	2,800	5,100	5,100	3,400	3,350	2,000	2,000	7.4
ground	kg			2,800	2,800	5,700	5,700	3,800	3,750	2,200	2,200	7.3
-1.5	kg	4,700	4,700	3,800	4,300	5,800	5,750	4,200	4,200	2,400	2,400	8.0
-3	kg	2,900	2,900	2,800	3,000	5,800	5,750			2,800	2,900	5.0
-4.5	kg			2,800	2,800					2,100	2,000	4.4

		Blade Up										
Bk (kg)		1.5m		3.0m		4.5m		6m		MAX REACH		
		C1	C2	C1	C2	C1	C2	C1	C2	C1	C2	Distance
0	kg					2,200	2,200			1,700	1,700	3.0
4.5	kg					2,420	2,420	2,200	2,200	1,800	1,800	3.8
9	kg			2,400	2,400	4,100	4,100	2,800	2,750	1,900	1,900	7.3
13.5	kg			2,800	2,800	5,100	5,100	3,400	3,350	2,000	2,000	7.4
ground	kg			2,800	2,800	5,100	5,100	3,350	3,350	1,900	1,900	7.3
-1.5	kg	4,700	4,700	3,800	4,300	5,800	5,750	3,300	3,300	2,000	2,000	8.0
-3	kg	2,900	2,900	2,800	3,000	5,800	5,750			2,800	2,900	5.0
-4.5	kg			2,800	2,800					2,100	2,000	4.4

SPECIFICATIONS 915FCR

Operating weight	35,400-38,300 kg (78,051-84,935 lbs)
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Operating weight includes operator, 45% fuel, 45% ballast, cab, standard drum, standard rear, loader and counter 75 kg (165 lbs)

Bucket capacity	0.50 m ³ (6.32 yd ³)
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ENGINE

Description

Cummins™ ISM Stage V turbocharged, 4 cylinder, 4 stroke, water cooled

Emission rating Stage V

Engine manufacturer Cummins

Engine model ISL9

Operation Turbocharged

Charged air cooling Aftercooler

Cooling fan drive Direct

Displacement 3.8 L (1.1 gal)

Rated speed 2,200 rpm

Engine Output - Gross (SAE J1349 / ISO 9249)

90 kW (120.3 hp)

Engine Output - Net (SAE J1995 / ISO 14388)

84.8 kW (113.3 hp)

Maximum torque 100 Nm (368 ft/lb)

81,500 rpm

Bore x Stroke 102 x 112 mm
(4.0" x 4.4")

STEERING/AXLES

Track shoe width mm 44 (1.7")

Link width 176 mm (6.9" inches)

Shoe width, single sprocket 600 mm (24")

Bottom rollers each side 1

Top rollers each side 2

SWING SYSTEM

Description

Planetary gear reduction drive by high torque planetary motor with oil disk brake. Swing parking brake retracts when by remote after swing pilot control return to neutral

Swing speed 11.0 rpm

Swing torque 36,700 Nm (27,000 ft/lb)

HYDRAULIC SYSTEM

Main pump

Type Variable

IS44421004

Maximum flow 2 x 91.7 L/min
(2 x 32.0 gal/min)

Relief valve setting

Impound 34.3 / 37 MPa
(4,975 / 5,410 psi)

Travel control 34.3 MPa (4,975 psi)

Flow control 36.2 MPa (5,243 psi)

Relief valve 2.0 MPa (290 psi)

Hydraulic cylinders

Boom Cylinder - 8100 x 1,000 mm
(31.5" x 39.4")

Arm Cylinder - 8100 x 1,170 mm
(31.5" x 46.1")

Bucket Cylinder - 675 x 885 mm
(26.6" x 34.8")

ELECTRIC SYSTEM

System voltage 12 V

Batteries 21V

Alternator 24 V - 100 A

Starter 24 V - 4.8 kW

24 V - 6.4 hp

SEWER CAPACITY

Fuel tank 300 L (79.3 gal)

Engine oil 12 L (3.2 gal)

Final drive lube 3.5 L (0.9 gal)

Swing drive 3.5 L (0.9 gal)

Cooling system 20 L (5.3 gal)

Hydraulic reservoir 100 L (26.4 gal)

Hydraulic system total 760 L (200.3 gal)

DEF tank 14 L (3.6 gal)

LOAD PERFORMANCE

Interior Sound Power

72 dB(A)

Exterior Sound Power

91 dB(A)

DRIVE AND BRAKE

Description

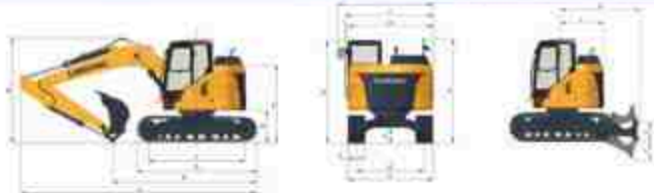
Steering controlled by two hand levers with 14:000

Max. travel speed High 4.0 km/h (2.5 mph)
Low 2.0 km/h (1.2 mph)

Gradability 80%/5%

Min. drawbar pull 102 kN (22,827 lbs)

SPECIFICATIONS 915F_{CR}



Dimensions/Item	MONO BOOM	TWO-PIECE BOOM
Boom	4,420 mm	5,250 mm
Arm Output	3,020 mm	3,810 mm
A Shipping Length	2,250 mm	2,280 mm
B Shipping Height - Top of Boom	2,940 mm	3,235 mm
C Undercarriage Width - 500 mm (20") shoes	3,400 mm	3,180 mm
- 600 mm (24") shoes	3,520 mm	3,280 mm
- 700 mm (28") shoes	3,690 mm	3,490 mm
D Shipping Length on ground	4,470 mm	4,410 mm
E Track Gauge	1,390 mm	1,380 mm
F Length to Center of Hub	3,070 mm	3,070 mm
G Track Length	3,345 mm	3,345 mm
H Overall Width of Upper Structure	2,430 mm	2,430 mm
J Overall Width of Upper Structure including cab handrail	3,020 mm	3,170 mm
K Overall Width of Upper Structure including cab rearview mirror	3,720 mm	3,730 mm
L Tail Swing Radius	1,520 mm	1,320 mm
M Distance of swing center to blade	2,600 mm	3,000 mm
N Counterweight Ground Clearance	435 mm	435 mm
P Overall Height of Counterweight	2,015 mm	2,215 mm
Q Overall Height of Cab	3,285 mm	3,285 mm
Overall Height of Cab including H&B	3,805 mm	3,825 mm
Overall Height of Cab including PIP's Guard	3,015 mm	3,015 mm
R Overall Height of Platform handrail	2,995 mm	2,995 mm
S Min. Ground Clearance	450 mm	450 mm
T Track Shoe Width	300 mm	300 mm
U Blade, max. string height	340 mm	340 mm
V Blade, max. digging depth	340 mm	340 mm
Blade width (with 500 mm shoes)	2,430 mm	2,500 mm
Blade width (with 600 mm shoes)	3,080 mm	3,180 mm
Blade width (with 700 mm shoes)	3,690 mm	3,690 mm

MACHINE WEIGHTS & GROUND PRESSURE

Shoe width	MONO BOOM		TWO-PIECE BOOM	
	Operating weight	Ground pressure	Operating weight	Ground pressure
300 mm	15,400 kg	45.8 MPa	15,400 kg	47.0 MPa
600 mm	15,800 kg	38.7 MPa	16,100 kg	33.9 MPa
700 mm	16,000 kg	33.4 MPa	16,300 kg	34.4 MPa
500 mm rubber crawler pads	15,400 kg	45.8 MPa	15,800 kg	47.0 MPa

Operating weight, including 2,000 ltr fuel, 400 kg for each 100 mm diameter counterweight, 100 kg for each 100 mm diameter counterweight, 400 liter weight shift blade, 1,700 kg

Load capacity limited and distribution uneven. Always use proper tie-up technique. Please refer to the Load Capacity Chart for more information regarding load capacity.


BOOM DIMENSIONS

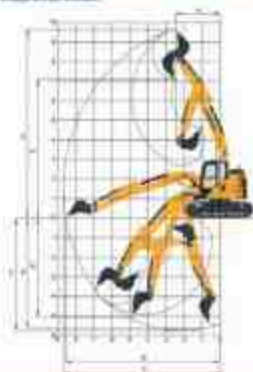
Boom	Minidigger	Compact Digger
A Length	4,800 mm	5,100 mm
B Height	1,100 mm	1,400 mm
C Width	750 mm	750 mm
Weight	1,570 kg	1,480 kg

Customer: Digging with pin attachment. Boom cylinder pin and seal set.

ARM DIMENSIONS

Arm	2,500 mm	2,300 mm
A Length	3,500 mm	3,700 mm
B Height	800 mm	750 mm
C Width	400 mm	400 mm
Weight	540 kg	570 kg

Customer: Digging with pin attachment.


WORKING RANGE

WORKING RANGE	MINIDIGGER	COMPACT DIGGER
Boom Length	4,800 mm	5,100 mm
Arm System	2,500 mm	2,300 mm
A. Max. Digging Reach	8,200 mm	8,070 mm
B. Max. Digging Reach on Grout	8,200 mm	8,230 mm
C. Max. Digging Depth	3,010 mm	3,790 mm
D. Max. Digging Depth, 2.5m H ₂ O level	4,300 mm	5,700 mm
E. Max. Vertical Wall Digging Depth	2,100 mm	2,060 mm
F. Max. Cutting Height	9,080 mm	9,660 mm
G. Max. Dumping Height	9,010 mm	7,590 mm
H. Min. Front Swing Radius	2,200 mm	2,440 mm
Bucket Digging Force (D0)	Normal	99.0 kN
	Power Boost	99.3 kN
Arm Digging Force (D0)	Normal	64.3 kN
	Power Boost	70 kN
Bucket Capacity (Standard)	0.50 m ³	0.55 m ³
	0.50 m ³	0.55 m ³
Bucket Tip Radius	1,200 mm	1,200 mm
	1,200 mm	1,200 mm

SPECIFICATIONS 915F_{CR}

lifting capacity at the rear end of the truck.
The lifting capacity may vary in the middle of the truck's 24' reach with each counter load to be lifted from the lifting capacity.

Always operate on level or firm, uniform supporting surface.



Weight counter (1000 kg)



Weight counter (1000 kg)

- Do not operate with a full load on a grade that does not allow of a safe lifting operation and height. Weight of the counter must be centered from the steering operation.
- The rated load on the counter is 1000 kg (2205 lb) basic. Exceeding 1000 kg may reduce lifting capacity or (25%) safety load.
- Handle proper air pressure.

- 270-kg (595-lb) counter is required for lifting capacity on road. For road column 6 is used.
- Vehicle should be in fully hydraulic capacity before the lifting operation.
- Operator should fully cooperate with the Operator's and the hydraulic instructions before operating the machine and is for the safe operation of equipment at every to understand all details.

LIFTING CAPACITY (METRIC)

915F_{CR} with 600 mm Shims, MOMO Boom, 2,500 mm Arm

- Load radius
- Load point height
- Lifting capacity (kg)
- Max. reach (mm)
- Max. reach (m)

Conditions

Boom length: 2,500 mm
Arm length: 2,500 mm
Boom: 600 mm high ground level
Bucket: New
Counterweight: 1,000 kg
Tires: New



BA (m)	1.5		2.0		2.5		3		3.5		MAX REACH	
	Cl	Cr	Cl	Cr	Cl	Cr	Cl	Cr	Cl	Cr	A (m)	
0	kg				15,000	12,000			12,000	12,000	2.4	
4.3	kg				12,000	9,000	15,000	12,000	12,000	12,000	6.3	
3	kg		9,500	9,500	9,500	7,500	12,000	12,000	12,000	12,000	6.9	
1.5	kg		18,000	8,000	15,000	13,000	13,000	13,000	13,000	13,000	7.0	
0	kg		12,000	6,700	8,800	8,800	8,800	2,500	12,000	13,000	6.4	
1.5	kg	5,700	5,700	18,000	1,700	3,700	3,200	8,800	2,500	12,000	6.4	
0	kg	11,500	11,500	11,500	1,800	11,500	11,500		11,500	12,000	6.4	

LIFTING CAPACITY (METRIC)

915F_{CR} with 600 mm Shims, MOMO Boom, 2,500 mm Arm

- Load radius
- Load point height
- Lifting capacity (kg)
- Max. reach (mm)
- Max. reach (m)

Conditions

Boom length: 2,500 mm
Arm length: 2,500 mm
Boom: 600 mm high ground level
Bucket: New
Counterweight: 1,000 kg
Tires: New



BA (m)	1.5		2.0		2.5		3		3.5		MAX REACH	
	Cl	Cr	Cl	Cr	Cl	Cr	Cl	Cr	Cl	Cr	A (m)	
0	kg				12,000	12,000			12,000	12,000	6.4	
4.3	kg				9,000	9,000	12,000	12,000	12,000	12,000	6.3	
3	kg		9,500	9,500	9,500	7,500	12,000	12,000	12,000	12,000	6.9	
1.5	kg		18,000	8,200	8,800	13,000	13,000	13,000	13,000	13,000	7.0	
0	kg		12,000	6,800	8,800	8,800	8,800	2,500	12,000	13,000	6.4	
1.5	kg	5,700	5,700	18,000	1,700	3,700	3,200	8,800	2,500	12,000	6.4	
0	kg	11,500	11,500	11,500	1,800	11,500	11,500		11,500	12,000	6.4	

Lifting capacity at the end of the lifting radius.
For lifting capacity including height, weight of the hoist or the trolley with cable and sheave must be deducted from the lifting capacity.

Lifting capacity on basis of the machine standing on a firm, uniform supporting surface.



Lifting capacity (1)



Lifting capacity (2)

1. Do not attempt to lift a load which has a weight greater than the rated capacity of the specified load radius and height. Weight of all accessories used is included from the above lifting capacity.

2. The lifting capacity is calculated on the basis of 100% efficiency. It is based on the rated lifting capacity of the crane. The crane should not be used for lifting capacity of 15% above rated.

3. Hoisting speed should be slow.

4. Lifting should be done on machine standing on firm, uniform supporting surface.

5. Deduct the load is lifted by hoist and trolley weight from the lifting capacity.

6. Operator should be fully conversant with the Operator's and Maintenance instructions relating to the machine and also for the safe operation of equipment should be adhered to at all times.

LIFTING CAPACITY (METRE)

STREPER with 700 mm Shoes, MONO Drive, 2,500 mm Arm

Conditions

Swing length: 4,000 mm
Arm length: 2,500 mm
Shoes: 700 mm (2) x 600 mm (2)
Shoelife: None
Counterweight: 3,000 kg
Shoelife: None



B/A (kg)	1.5		3.0		4.5		6		8		MAX REACH	
	Cl	Co	Cl	Co	Cl	Co	Cl	Co	Cl	Co	A (m)	
0					1,200	1,200			1,200	1,000	6.4	
4.5					5,800	3,600	3,200	2,000	3,200	2,300	6.3	
9			9,900	9,700	4,500	3,800	3,800	2,500	3,000	2,000	6.5	
13.5			9,400	8,200	5,500	3,900	4,000	2,400	3,800	1,800	7.1	
18			7,200	6,200	5,800	2,400	3,000	2,300	2,400	1,800	6.9	
22.5	9,100	9,100	6,600	6,000	5,900	3,300	3,000	2,300	2,600	2,100	6.4	
27			6,100	6,100	5,500	3,000	3,500		2,700	2,700	6.4	

LIFTING CAPACITY (METRE)

STREPER with 600 mm Shoes, MONO Drive, 2,500 mm Arm

Conditions

Swing length: 4,000 mm
Arm length: 2,500 mm
Shoes: 600 mm (2) x 600 mm (2)
Shoelife: None
Counterweight: 3,000 kg
Shoelife: None



B/A (kg)	1.5		3.0		4.5		6		8		MAX REACH	
	Cl	Co	Cl	Co	Cl	Co	Cl	Co	Cl	Co	A (m)	
0					1,000	1,000			1,000	1,000	6.4	
4.5					5,800	3,600	3,200	2,000	3,200	2,300	6.3	
9			9,500	9,700	4,500	3,700	3,800	2,400	3,000	1,900	6.5	
13.5			9,400	8,000	5,500	3,400	3,900	2,300	3,200	1,800	7.0	
18			7,200	6,700	5,800	3,200	3,800	2,200	2,400	1,900	6.6	
22.5	9,100	9,100	6,600	6,000	5,700	3,200	3,700	2,200	2,600	2,000	6.4	
27			6,100	6,100	5,500	3,000	3,500		2,700	2,700	6.4	

SPECIFICATIONS 915F_{CR}

Lifting capacity at the end of the lifting arm:
For lifting capacity including height, weight of the
load at the hoist will, once it is lifted, shall be
deducted from the lifting capacity.

Lifting capacity on basis of the existing
standing on a firm, uniform supporting surface.



Rating over 1000 (20)



Rating over 1000 (20)

1. Do not attempt to lift a load which has a
greater than 20% rated load of the hoist but
that value and height. Weight or all accessories
must be included from the above lifting
rating too.

2. The rated capacity is calculated at 0.90C
(100% Machine Capacity) L1.2 Case by Hoist
Standard. This is not present 0.75 of Approved
lifting capacity or 75% hoist load.

3. Rating at hoist lift line.

4. Lifting capacity will be on the machine standing
on firm, uniform supporting ground.

5. Safety factor shall be added by following
capacity table for lifting capacity.

6. Operator should be fully aware of the
Operator's and Manufacturer's instructions while
operating the machine and also for the safety
features of equipment should be adhered to at
all times.

LIFTING CAPACITY (METRIC)

915F_{CR} with 330 mm Shoes, NCNO Boom, 2,030 mm Arm

Conditions:

Boom length 4,000 mm
Arm length 2,030 mm
Shoes 330 mm type ground shoes
Bucket type
Counterweight 3,330 kg
Base type



B/W (m)	1.2		3.2		4.3		5		MAX REACH			
	DI	Ca	CI	Ca	CI	Ca	DI	Ca	CI	Ca	A (m)	
5	kg				3,230	3,030			3,230	3,030	3.5	
4.2	kg				3,430	3,490	3,330	2,930	3,430	3,030	3.5	
3	kg			5,430	5,430	4,150	3,830	3,230	3,430	3,530	2.3	
1.2	kg			7,830	8,230	5,100	3,830	3,830	3,330	3,830	2.4	
0	kg			7,830	3,830	5,730	3,330	3,830	3,330	3,330	2.3	
-1.0	kg	4,730	4,700	5,830	3,830	3,730	3,230	3,730	3,230	3,430	3.5	
-2		3,830	3,830	3,530	3,730	3,230	3,230			3,230	3.5	
-4.2	kg			5,230	5,030					3,130	3,130	4.4

LIFTING CAPACITY (METRIC)

915F_{CR} with 330 mm Shoes, NCNO Boom, 1,500 mm Arm

Conditions:

Boom length 4,000 mm
Arm length 1,500 mm
Shoes 330 mm type ground shoes
Bucket type
Counterweight 3,330 kg
Base type



B/W (m)	1.2		3.2		4.3		5		MAX REACH			
	DI	Ca	CI	Ca	CI	Ca	DI	Ca	CI	Ca	A (m)	
5	kg				3,230	3,030			3,230	3,030	3.5	
4.2	kg				3,430	3,450	3,330	2,930	3,430	3,030	3.5	
3	kg			5,430	5,430	4,150	3,830	3,230	3,430	3,530	2.3	
1.2	kg			7,830	8,230	5,100	3,830	3,830	3,430	3,430	2.4	
0	kg			7,830	3,830	5,730	3,330	3,830	3,330	3,330	2.3	
-1.0	kg	4,730	4,700	5,830	3,830	3,830	3,230	3,830	3,230	3,430	3.5	
-2		3,830	3,830	3,530	3,730	3,230	3,230			3,230	3.5	
-4.2	kg			5,230	5,030					3,130	3,130	4.4

Lifting capacity at 25° will not exceed 80% of the lifting capacity for the maximum weight of the load at the 30° boom tilt angle. Lullum will not be included in the lifting capacity.

Lifting capacities are based on the machine standing on a dry, uniform supporting surface.



3. Second attempt to lift or hold a load that is greater than the rated capacity of the specified lift radius or height. Weight or all components must be taken out from the above lifting operation.

4. The rated load is accumulated with 20% S&P Hydraulic Excavator L18 (Lullum Safety Standard). They do not exceed 80% of hydraulic lifting capacity or 75% tipping load.

5. Safety or limit lift load.

4. Lifting operation continues at height exceeding 8 m, 5m and a 40m ground.

5. Indicates the lift is limited by hydraulic system capacity (rather than lifting capacity).

6. Operator should be fully acquainted with the Operator's and Maintenance instructions before operating lift functions and also for the safety operation of equipment should be advised in all details.

LIFTING CAPACITY (METRIC)

815PCN with 700 mm Boom, MOMO Boom, 2,000 str-Arm

GoldRise

- A Lift height
- B Max pivot height
- C Lifting capacity (wing)
- D Rating hours over front
- E Rating hours over side at 90°

Boom length: 4.83 m
 Arm length: 3.90 m
 Model: 700 mm type 3 boom drive
 Model: 700
 Counterweight: 2,000 kg
 Boom: 5000



BOA (H)	1.5			5.0			4.5			B			MAX REACH		
	D1	D2	D3	C1	C2	C3	D4	D5	D6	D7	D8	D9	D10	A (m)	
0	kg						3,100	3,200					1,700	1,700	5.5
4.5	kg						3,400	3,450	3,300	2,600			1,850	1,650	4.8
3	kg			5,400	5,400	4,800	3,800	3,800	3,800	2,800			1,600	1,600	3.3
1.5	kg			5,800	4,800	5,700	4,600	4,000	3,400	2,400			1,300	1,600	2.4
0	kg			7,600	8,000	6,700	4,400	3,900	3,900	2,900			1,200	1,300	2.3
-0.5	kg	1,700	1,700	1,850	1,300	1,850	1,300	1,300	1,300	1,200			1,400	1,400	4.8
-8		1,800	1,800	1,400	1,700	1,500	1,300						1,300	1,300	3.8
-4.5	kg			5,000	5,000								1,100	1,100	2.4

LIFTING CAPACITY (METRIC)

815PCN with 900 mm Boom, MOMO Boom, 2,000 str-Arm

GoldRise

- A Lift height
- B Max pivot height
- C Lifting capacity (wing)
- D Rating hours over front
- E Rating hours over side at 90°

Boom length: 4.83 m
 Arm length: 3.90 m
 Model: 900 mm type 3 boom drive
 Model: 700
 Counterweight: 2,000 kg
 Boom: 5000



BOA (H)	1.5			5.0			4.5			B			MAX REACH		
	D1	D2	D3	C1	C2	C3	D4	D5	D6	D7	D8	D9	D10	A (m)	
0	kg						3,100	3,200					1,700	1,700	5.5
4.5	kg						3,400	3,450	3,300	2,500			1,850	1,650	4.8
3	kg			5,400	5,400	4,800	3,800	3,800	3,800	2,800			1,600	1,600	3.3
1.5	kg			5,800	4,800	5,700	4,600	4,000	3,400	2,400			1,300	1,700	2.4
0	kg			7,600	8,000	6,700	4,400	3,900	3,900	2,900			1,200	1,300	2.3
-0.5	kg	1,700	1,700	1,850	1,300	1,700	1,300	1,300	1,300	1,200			1,400	1,400	4.8
-8		1,800	1,800	1,400	1,700	1,500	1,300						1,300	1,300	3.8
-4.5	kg			5,000	5,000								1,100	1,100	2.4

SPECIFICATIONS 915F_{CR}

1. 2542 mm high at the end of the boom.
For lifting capacity including bucket, weight of the bucket at the bucket lift rack position must be included into the lifting operation.

2. Lifting capacity based on the machine standing on a firm, uniform supporting surface.



Maximum 915 F_{CR}



Maximum 915 F_{CR}

3. Do not attempt to lift or hold any load that is greater than these rated values or your specified lift table and height. Weight of all attachments must be included from the boom lifting operation.

4. The rated load is not to be combined with 500/1000 Hydraulic Cylinder Lift Capacity Parking Moment. They do not exceed 5% of rated lift capacity (weight or lift) being used.

5. Refer to section 4.10.06.

6. Lifting table has an in-built safety device (anti-whiplash) that prevents the boom from whipping forward.

7. To reduce the load is limited by hydraulic capacity, refer to the lift table manual.

8. Operator should be fully acquainted with the Operator's and Maintenance manuals before using the machine. The machine and table for a safe operation of equipment should be adjusted to it all times.

LIFTING CAPACITY (MTRING)

915F_{CR} with 300 mm Stroke, MOWD Boom, 2,500 mm Arm

- A. 2242 mm H
- B. 1.00 m reach
- C. 1.00 m reach
- D. 1.00 m reach
- E. 1.00 m reach
- F. 1.00 m reach

Conditions

- Boom length: 2,500 mm
- Max. height: 2,242 mm
- Stroke: 300 mm with ground level
- Bucket size
- Counterweight: 2,500 kg (boom 40)



Boom Down

M/A (kg)	Boom Down								MAX REACH			A (m)
	1.0		1.5		2.0		2.5		0.7	0.8	0.9	
B	kg					1,800	1,800			1,200	1,200	0.4
4.0	kg					1,800	1,800	1,200	1,450	1,200	1,200	0.3
3	kg			1,100	1,100	1,100	1,100	1,100	1,400	1,100	1,100	0.5
1.5	kg			1,400	1,400	1,100	1,400	1,100	1,300	1,100	1,100	0.2
D	kg			1,100	1,100	1,100	1,100	1,100	1,200	1,100	1,100	0.5
1.0	kg	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	0.4
0	kg	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	0.4

Boom Up

M/A (kg)	Boom Up								MAX REACH			A (m)
	1.0		1.5		2.0		2.5		0.7	0.8	0.9	
B	kg					1,800	1,800			1,200	1,200	0.4
4.0	kg					1,800	1,800	1,200	1,450	1,200	1,200	0.3
3	kg			1,100	1,100	1,100	1,100	1,100	1,400	1,100	1,100	0.5
1.5	kg			1,400	1,400	1,100	1,400	1,100	1,300	1,100	1,100	0.2
D	kg			1,100	1,100	1,100	1,100	1,100	1,200	1,100	1,100	0.5
1.0	kg	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	0.4
0	kg	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	0.4

1.2542 times by the size and weight factor.
For lifting capacity including bucket, weight of the bucket at the bucket lift rack position must be included into the lifting calculation.

Lifting capacity also based on the machine standing on a firm, uniform supporting surface.



Not allowed 90° lift



Not allowed 90° lift

3. Do not attempt to lift or load any load that is greater than those rated values or your specified lift table and height. Weight in all circumstances must be included from the above lifting operation.

- The rated load is to be combined with 50% (50%) Hydraulic Cylinder Lift Capacity Rating Moment. They do not exceed 50% of rated lift capacity or 75% lifting load.
- Not to exceed lift table.

4. Lifting table has to be used to handle standing or static lift and lifting operation.

- Inclined the load is lifted by hydraulic hoists, it has to be less than 45° to level.
- Operator should be fully acquainted with the Operator's and Maintenance instructions before operating the machine and also for a safe operation of equipment should be adhered to at all times.

LIFTING CAPACITY (MTRING)

STAFFER with 620 mm Shoes, MONG Boom, 2.500 mm Arm

Condition:

Boom length: 2.500 mm
Arm length: 2.500 mm
Shoes: 620 mm triple grouser shoe
Rated lift:
Counterweight: 3.000 kg
Shoe: 620



Blade Down

B/A (m)	1.5								2.0				3.0				4.0				5				MAX REACH																			
	Cl	Cr	Cf	Co	Cp	Cq	Cr	Cs	Cl	Cr	Cf	Co	Cp	Cq	Cl	Cr	Cf	Co	Cp	Cq	Cl	Cr	Cf	Co	Cp	Cq	Cl	Cr	Cf	Co	Cp	Cq												
0	kg																3.000				3.000				3.000				3.000				3.4											
4.0	kg																3.000				3.000				3.000				3.000				3.300				4.3							
3	kg																3.000				3.000				3.000				3.000				3.000				3.000				3.9			
1.2	kg																3.000				3.000				3.000				3.000				3.000				3.000				3.0			
0	kg																3.000				3.000				3.000				3.000				3.000				3.000				3.0			
-1.5	kg																3.000				3.000				3.000				3.000				3.000				3.000				3.4			
-3	kg																3.000				3.000				3.000				3.000				3.000				3.000				3.4			

Blade Up

B/A (m)	1.5								2.0				3.0				4				5				MAX REACH																			
	Cl	Cr	Cf	Co	Cp	Cq	Cr	Cs	Cl	Cr	Cf	Co	Cp	Cq	Cl	Cr	Cf	Co	Cp	Cq	Cl	Cr	Cf	Co	Cp	Cq	Cl	Cr	Cf	Co	Cp	Cq												
0	kg																3.000				3.000				3.000				3.000				3.4											
4.0	kg																3.000				3.000				3.000				3.000				3.000				3.300				4.3			
3	kg																3.000				3.000				3.000				3.000				3.000				3.000				3.9			
1.2	kg																3.000				3.000				3.000				3.000				3.000				3.000				3.0			
0	kg																3.000				3.000				3.000				3.000				3.000				3.000				3.0			
-1.5	kg																3.000				3.000				3.000				3.000				3.000				3.000				3.4			
-3	kg																3.000				3.000				3.000				3.000				3.000				3.000				3.4			

SPECIFICATIONS 915F_{CR}

Lifting capacity at the widest of load basket.
For lifting capacity including bucket, weight of the basket is included and must not be added to the rated lifting capacity.

Lifting capacity are based on the machine standing on a firm, uniform surface.



1. Do not attempt to lift load or load that is greater than the rated amount of the specified load rating and height. Weight of all accessories must be deducted from the above lifting capacities.

2. The rated load is only in conjunction with the 72657 Hydraulic Calculator LIFT Capacity Rating System. This is not covered 75% of hydraulic lifting capacity or 70% boom speed.

3. Apply all safety devices.

4. Lifting capacities are based on machine standing on firm, flat and uniform ground.

5. Reduce the rated lift based on hydraulic capacity when the lifting capacity.

6. Operator should use 4th gear when lifting the load. Operator is not allowed to use hydraulic system capacity when lifting and also for the safe operation of the system should be followed to all types.

LIFTING CAPACITY (MTRC)

HOFCR with 700 mm Stroke, MONGO Boom, 1,500 mm Arm

Conditions

- A. Load factor:
B. Load arm height
C. Lifting velocity rating
D. Rating boom over front
E. Rating boom over side or 90°

Maximum height 4,000 mm
Arm height 1,200 mm
Stroke 700 mm (top to ground level)
Stroke time
Counterweight 1,230 kg
Grade 0%



Booms Down

B/A (H)	1.5		1.8		4.5		8		MAX REACH		
	CF	CE	CF	CE	CF	CE	CF	CE	CF	CE	
6	kg				7,400	7,400			2,000	2,040	5.4
4.5	kg				7,400	7,400	2,040	2,540	2,300	2,300	6.3
3	kg				6,900	6,900	2,500	2,800	2,800	2,800	6.9
1.5	kg				6,450	6,200	3,100	3,100	3,100	2,500	7.6
0	kg				7,200	6,600	3,800	3,800	3,300	2,400	6.9
-1.4	kg	5,100	5,100	6,800	6,800	5,800	5,700	4,300	2,300	2,600	6.4
-3	kg	3,100	3,100	4,500	4,500	4,300	3,300			3,700	5.4

Booms Up

B/A (H)	1.5		1.8		4.5		8		MAX REACH		
	CF	CE	CF	CE	CF	CE	CF	CE	CF	CE	
6	kg				7,400	7,400			2,000	2,040	5.4
4.5	kg				7,400	7,400	2,000	2,500	2,300	2,300	6.3
3	kg				6,900	6,900	2,500	2,800	2,800	2,800	6.9
1.5	kg				6,450	6,200	3,100	3,100	3,100	2,500	7.6
0	kg				7,200	6,600	3,800	3,300	3,300	2,400	6.9
-1.4	kg	5,100	5,100	6,800	6,800	5,800	5,700	4,300	2,300	2,600	6.4
-3	kg	3,100	3,100	4,500	4,500	4,300	3,300			3,700	5.4

1. Lifting capacity at the very end of full boom.
For lifting capacity including hook, weight of the hook is included and load outside that is included into lifting capacity.
Lifting capacity are based on the assumed loading by a 3m, uniform, evenly distributed.



2. Do not attempt to lift load enclosed that is greater than the rated amount of their specified front reach and height. Weight of all accessories must be deducted from the above lifting capacities.
3. The rated load is only applicable with the 72557 Hydraulic Calculator Lift Capacity Rating System. This is not allowed 75% of hydraulic lifting capacity or 75% boom load.
4. Rating of bucket lift only.

5. Lifting capacities are based on machine standing on level, firm and uniform ground.
6. Includes the load it is rated by hydraulic capacity rather than lifting capacity.
7. Operator should be fully instructed in the use of the lift and should be fully instructed in the safe operation of the lift. The safe operation of the lift should be followed to the letter.

LIFTING CAPACITY (MTRNC)

8107CR with 550 mm Blade, MCHD Boom, 2,500 mm Arm

- Load hook
- Lift arm height
- Lifting capacity (kg)
- Max. height over foot
- Rating height over side of foot

Conditions:

- Boom length 4,200 mm
- Arm height 2,500 mm
- Blade 550 mm (216.91 in) wide
- 4,200 mm blade
- Counterweight 2,335 kg
- Grade 75%



Blade Down

BM (ft)	1.5		3.0		4.3		5		MAX REACH		A (ft)
	CF	CL	CF	CL	CF	CL	CF	CL	CF	CL	
5	kg				1,010	1,010			1,010	1,010	6.4
4.5	kg				2,310	1,810	1,310	1,410	1,810	2,310	6.3
3	kg			1,110	1,110	4,300	3,810	2,810	3,410	2,810	6.0
1.2	kg			1,410	1,360	5,310	4,410	4,110	2,310	1,810	7.0
0	kg			1,360	1,360	4,910	3,210	4,910	2,210	1,410	6.9
-1.0	kg	1,110	1,110	1,410	1,360	4,910	3,110	4,200	2,110	1,610	6.4
-2	kg	1,110	1,110	1,110	1,410	4,910	3,110		1,710	1,510	6.4

Blade Up

BM (ft)	1.5		3.0		4.3		5		MAX REACH		A (ft)
	CF	CL	CF	CL	CF	CL	CF	CL	CF	CL	
5	kg				1,410	1,410			1,410	1,410	6.4
4.5	kg				1,910	1,810	1,910	1,410	1,910	2,310	6.3
3	kg			1,110	1,110	4,300	3,410	2,810	2,410	1,810	6.0
1.8	kg			1,410	1,360	5,310	3,410	3,910	2,310	1,810	7.0
0	kg			1,360	1,360	4,910	3,210	4,910	2,210	1,410	6.9
-1.0	kg	1,110	1,110	1,410	1,360	4,910	3,110	3,810	2,110	1,610	6.4
-2	kg	1,110	1,110	1,110	1,410	4,910	3,110		1,710	1,510	6.4

SPECIFICATIONS 915F_{CR}

Lifting capacity of the arm and without loading.
For lifting capacity see also loading, weight of the
load and of the hoisting cable and hoisting drum to be
deducted from the lifting capacities.

Lifting capacity on basis of the machine
standing on a firm, uniform supporting surface.



Hoisting drum with 120



Hoisting drum with 210

1. All data referred to 915F are valid only for the
cranes from Series 91500 to 21000. All data are valid
from maximum height. Weight of all accessories
must be deducted from the above lifting
capacity.

2. The rated capacity in compliance with ISO
11012 Hydraulic Excavators L1 Capacity Rating
Standard. This is the maximum 915F of hydraulic
lifting capacity of 75% working load.

3. Storage of crane (10 tons).

4. Lifting capacity is allowed on machine standing
on firm, firm soil or firm ground.

5. To obtain the load is lifted to maximum
capacity (100% from lifting capacity).

6. Operator should fully cooperate with the
Operator and Maintenance personnel before
operating the machine and take the risk
capacity of equipment should be reduced to 50
of 50%.

LIFTING CAPACITY (MTR)

HOPCR with 500 mm blades, M2000 boom, 2,600 mm Arm

Conditions

- A. Load hook
- B. Load point height
- C. Lifting capacity (mtr)
- D. Hoisting drum with 120
- E. Hoisting drum with 210

Boom length 4,000 mm
Arm length 2,600 mm
Space: 140 mm (to ground plane)
Surface: Firm
Counterweight: 1,250 kg
Blade: 500



Blade Down

B/M (kg)	1.5		3.5		4.1		5		MAX REACH		A (m)	
	120	210	120	210	120	210	120	210	120	210		
0	kg				3,200	3,100			3,700	3,700	5.5	
4.1	kg				3,400	3,450	3,000	2,500	3,500	3,500	6.6	
5	kg			5,400	5,400	4,700	3,700	3,600	2,400	3,800	6,900	7.3
1.5	kg		7,800	8,100	5,000	4,400	4,000	2,300	2,800	3,000	7.4	
0	kg		7,800	3,600	5,700	3,100	3,300	2,300	1,800	1,700	7.5	
-1.4	kg	9,700	9,700	8,800	3,300	5,800	4,700	3,200	2,750	2,400	1,600	8.8
-3	kg	7,800	7,800	7,500	3,000	5,300	3,150		3,200	2,200	5.9	
-4.5	kg			5,000	3,000				3,100	3,100	4.4	

Blade Up

B/M (kg)	1.5		3.5		4.1		5		MAX REACH		A (m)	
	120	210	120	210	120	210	120	210	120	210		
0	kg				3,200	3,200			3,700	3,700	5.5	
3.5	kg				3,400	3,450	3,000	2,500	3,500	3,500	6.6	
5	kg			5,400	5,400	4,700	3,700	3,600	2,400	3,800	6,900	7.3
1.5	kg		7,800	8,100	5,100	4,400	4,000	2,300	2,800	3,000	7.4	
0	kg		7,800	3,600	5,700	3,100	3,300	2,300	1,800	1,700	7.5	
-1.4	kg	9,700	9,700	8,800	3,300	5,700	4,700	3,200	2,750	2,400	1,600	8.8
-3	kg	7,800	7,800	7,500	3,000	5,200	3,150		3,200	2,200	5.9	
-4.5	kg			5,000	3,000				3,100	3,100	4.4	

Lifting capacity will vary with wheel load(s).
 For lifting capacity including forward weight of the
 basket or the bucket with the operator that is
 distributed from the 20kg capacities.
 Lifting capacities are based on the maximum
 lifting on a level, uniform supporting surface.



Maximum wheel load (20)



Maximum wheel load (20)

- Do not attempt to lift or handle load that is greater than 80% of rated lift capacity of the basket and height. Weight of all components used for distribution from the above lifting capacity.
- The rated capacity is compressed with 50% (0.5) Maximum Lullax Lullax Lullax Lullax Lullax Lullax. These do not exceed 87% of factory lifting capacity of 70% lifting load.
- Storage of basket off load.

- Lifting capacities will lower on uneven standing on level. Do not exceed 87%.
- Indicates the maximum lifting capacity of the basket (20kg) lifting capacity.
- Operator should be fully acquainted with the Operator's and Maintenance manual for the Lullax operating the machine and also for the safe operation of equipment should be advised to lift off-load.

LIFTING CAPACITY (METRE)

815PCN with 900 mm Blades, MONO Boom, 2,000 wtr Arm

Code/Type

- A. Load radius
- B. Load point height
- C. Lifting capacity (kg)
- D. Ramp load over foot
- E. Ramp load over body at 20°

Boom length: 4,200 mm
 Deck length: 2,000 mm
 Max. load: 400 mm from ground level
 Max. lift: 2000 kg
 Code/weight: 2,000 kg
 Blade: 900



Slide Down

B/A (m)	1.5		2.0		4.5		5		MAX REACH		A (m)
	Cl	Cs	Cl	Cs	Cl	Cs	Cl	Cs	Cl	Cs	
0					2,200	2,200			1,700	1,700	5.0
0.5					2,400	2,400	2,500	2,500	1,900	1,900	5.0
1			5,400	5,400	4,500	3,800	2,600	2,400	1,800	1,600	7.3
1.5			7,800	6,200	5,500	3,500	2,600	2,300	1,800	1,700	7.4
2			7,800	5,700	5,700	3,200	2,600	2,200	1,800	1,700	7.5
2.5	8,700	7,700	8,800	3,600	5,800	3,200	2,600	2,200	1,800	1,600	6.0
3	7,800	7,800	5,800	3,700	5,200	3,000			1,200	2,100	5.0
4.5			5,800	3,000					1,100	3,000	4.4

Slide Up

B/A (m)	1.5		2.0		4.5		5		MAX REACH		A (m)
	Cl	Cs	Cl	Cs	Cl	Cs	Cl	Cs	Cl	Cs	
0					2,200	2,200			1,700	1,700	5.0
0.5					2,400	2,400	2,500	2,500	1,900	1,900	5.0
1			5,400	5,400	4,500	3,800	2,600	2,400	1,800	1,600	7.3
1.5			7,800	6,200	5,500	3,500	2,600	2,300	1,800	1,700	7.4
2			7,800	5,700	5,700	3,200	2,600	2,200	1,800	1,700	7.5
2.5	8,700	7,700	8,800	3,600	5,800	3,200	2,600	2,200	1,800	1,600	6.0
3	7,800	7,800	5,800	3,700	5,200	3,000			1,200	2,100	5.0
4.5			5,800	3,000					1,100	3,000	4.4

SPECIFICATIONS 915F_{CR}

Lifting capacity of the arm and without loading.

For lifting capacity see also loading, weight of the hoist and of the hoist cable and the hoist cable be measured from the lifting capabilities.

Lifting capacity on basis of the machine mounting on a firm, uniform supporting surface.



Working on firm surface (1)



Working on firm surface (2)

1. Do not attempt to lift at full capacity load of machine from above rated capacity of the crane but from reduced height. Height of all attachments must be determined from the above lifting capacity load.

2. The rated capacity in compliance with ISO 10227 Hydraulic Excavators Lifting Capacity Rating Standard. This is not covered by the lifting capacity of 75% rating load.

3. Storage of hoist (1) hook.

4. Lifting capacity is allowed on machine standing still (hoist, 10% and 100% of rated).

5. To obtain the load is lifted by maximum capacity (100% from lifting capacity).

6. Operator should fully cooperate with the Operator and Maintenance personnel before operating the machine and take the safe operation of equipment (ISO 12100) to be at all times.

LIFTING CAPACITY (METRE)

HOOPER with 700 mm Blades, MONO Boom, 2,900 mm Arm

Conditions

Boom length 4,000 mm
 Arm length 2,900 mm
 Spine 700 mm (10% ground stress)
 Surface: Firm
 Counterweight 1,250 kg
 Blade 100



- A. Load height
- B. Load point height
- C. Lifting capacity (metre)
- D. Lifting height over front
- E. Lifting height over side of boom

Blade Down

B/M (kg)	1.5		3.5		4.1		5		MAX REACH			
	Cl	Ca	Cb	Ca	Cf	Ca	Cg	Ca	Cf	Ca	A (m)	
0	kg				3,000	3,000			3,700	3,700	5.5	
4.1	kg				3,400	3,450	3,000	2,800	3,600	3,600	6.6	
5	kg			5,400	5,400	4,700	3,800	3,000	2,500	3,800	7.3	
1.5	kg			7,800	8,300	5,000	3,500	4,000	2,800	2,800	7.4	
0	kg			7,800	8,800	5,700	3,300	3,300	2,800	3,800	7.5	
-1.4	kg	6,700	6,700	8,800	8,700	5,800	3,000	3,200	2,200	2,400	6.6	
-3	kg	7,800	7,800	7,800	8,800	5,300	3,200		3,200	2,300	5.9	
-4.5	kg			7,800	7,000					3,300	3,300	4.4

Blade Up

B/M (kg)	1.5		3.5		4.1		5		MAX REACH			
	Cl	Ca	Cb	Ca	Cf	Ca	Cg	Ca	Cf	Ca	A (m)	
0	kg				3,200	3,200			3,700	3,700	5.5	
3.5	kg				3,400	3,450	3,000	2,800	3,600	3,600	6.6	
5	kg			5,400	5,400	4,700	3,800	3,000	2,500	3,800	7.3	
1.5	kg			7,800	8,300	5,100	3,500	4,000	2,800	2,800	7.4	
0	kg			7,800	8,800	5,700	3,300	3,300	2,800	3,800	7.5	
-1.4	kg	6,700	6,700	8,800	8,700	5,800	3,000	3,200	2,400	2,400	6.6	
-3	kg	7,800	7,800	7,800	8,800	5,300	3,200		3,200	2,300	5.9	
-4.5	kg			7,800	7,000					3,300	3,300	4.4

- Lifting capacity of the arm and without loading:
 For the capacity see also technical weight of the
 hoist. If the hoist is not used, the hoist must be
 secured from lifting capacity.
- Lifting capacity on basis of the machine
 lifting on a firm, uniform supporting surface.



Hoisting on firm ground (D)



Hoisting on firm ground (E)

- Do not attempt to lift at full capacity that of
 goods from above level 22000 of the crane but
 from below and height. Weight of all accessories
 must be subtracted from the above lifting
 capacity.
- The rated capacity in compliance with ISO
 11012 Hydraulic Excavators L1 Capacity Rating
 Standard. This is not covered by the lifting
 lifting capacity of 75% lifting load.
- Storage of hoist (D) truck.
- Lifting capacity allowed on machine standing
 on firm, firm and without ground
- To obtain the load is limited by maximum
 capacity (D) from lifting capacity.
- Operator should be fully acquainted with the
 Operator and Maintenance instructions before
 operating the machine and take the risk
 capacity of equipment 22000 to 22000 to 22
 00 000.

LIFTING CAPACITY (MTR)

HOIPCR with 500 mm Slaves, M2000 Boom, 2.600 mm Arm

Conditions

- A: Load height
 B: Load point height
 C: Lifting capacity (mtr)
 D: Lifting height over front
 E: Hoisting height over axle of hoist

Max length 4.000 mm
 Min length 2.000 mm
 Spacer 100mm (100mm from wheel)
 Surface: Hard
 Counterweight: 1.250 kg
 Slack: 0,05



Blade Down

B/M (kg)	1.5		3.5		4.1		5		MAX REACH		
	Cl	Ce	Cl	Ce	Cl	Ce	Cl	Ce	Cl	Ce	A (m)
0	kg				3.200	3.100			3.700	3.700	5.0
4.1	kg				3.400	3.450	3.000	2.500	3.600	3.600	6.0
5	kg			5.400	5.400	4.700	3.700	3.600	2.400	3.600	7.0
1.5	kg			7.800	8.100	5.000	3.400	4.000	2.300	2.800	7.0
0	kg			7.800	3.600	5.700	3.000	3.300	2.300	3.800	7.0
-1.0	kg	9.700	9.700	8.800	3.300	5.800	3.000	3.000	2.150	2.400	6.0
-2		7.800	7.800	7.800	3.000	5.300	3.000		2.200	2.200	5.0
-4.5	kg			5.000	3.000				3.300	3.300	4.4

Blade Up

B/M (kg)	1.5		3.5		4.1		5		MAX REACH		
	Cl	Ce	Cl	Ce	Cl	Ce	Cl	Ce	Cl	Ce	A (m)
0	kg				3.200	3.200			3.700	3.700	5.0
3.5	kg				3.400	3.450	3.000	2.500	3.600	3.600	6.0
5	kg			5.400	5.400	4.700	3.700	3.600	2.400	3.600	7.0
1.5	kg			7.800	8.100	5.100	3.400	3.600	2.300	2.800	7.0
0	kg			7.800	3.600	5.700	3.000	3.300	2.300	3.800	7.0
-1.0	kg	9.700	9.700	8.800	3.300	6.700	3.000	3.700	2.150	2.400	6.0
-2		7.800	7.800	7.800	3.000	5.200	3.000		2.200	2.200	5.0
-4.5	kg			5.000	3.000				3.300	3.300	4.4

SPECIFICATIONS 915F_{CR}

Lifting capacity at the end of fixed jib:
For lifting capacity including hydraulic weight of the bucket at the bucket lift, check the data sheet for detailed lift planning capabilities.

Lifting capacity on location of the machine standing on a firm, uniform supporting surface.



Working over 100 (100')



Working over 100 (100')

1. Do not attempt to lift a load without first a signal from the rated driver of the rated load lift valve and hoist. Hoist or all accessories must be released from the down-lift stop position.

2. The 915F_{CR} is an ISO 4309 compliant 40:500 (100:1000) Hydraulic Excavator L1F Class by Safety Standard. This is equivalent 075% of Approved lifting capacity in 75% hoist load.

3. Always attach the lift load.

4. Lifting capacities are based on machine standing on firm, uniform supporting ground.

5. The 915F_{CR} has a bucket lift capacity of 1000 kg (2200 lbs) lifting capacity.

6. Operator should be fully aware of the Operator's and Maintenance instructions when operating the machine and also for the safe removal of equipment should be adhered to at all times.

LIFTING CAPACITY (METRIC)

915F_{CR} with 100 mm Shoes, TWO-PIECE Boom, 2,500 mm Arm.

Conditions

Boom length: 2,500 mm
Arm length: 2,570 mm
Shoes: 100 mm (4 in) greater than
Bucket type
Counterweight: 3,370 kg
Shank: none



R/W (kg)	1.5		3.0		4.5		6		MAX REACH		
	Cl	Cl _s	Cl	Cl _s	Cl	Cl _s	Cl	Cl _s	Cl	Cl _s	A (m)
0	kg				2,800	2,800			2,000	2,000	3.8
4.0	kg		2,200	2,200	1,900	1,900	1,500	1,400	1,000	1,000	6.7
3	kg		1,550	1,550	1,350	1,350	1,100	1,000	700	700	7.2
1.5	kg				1,000	1,000	800	750	500	500	7.3
0	kg		5,000	5,000	4,500	4,500	3,700	3,500	2,400	2,400	7.2
-1.0	kg		7,800	3,400	5,400	3,000	3,700	2,700	1,000	1,000	6.7
-2	kg		10,000	5,000	6,500	3,500			1,500	2,000	5.8

LIFTING CAPACITY (METRIC)

915F_{CR} with 100 mm Shoes, TWO-PIECE Boom, 3,000 mm Arm.

Conditions

Boom length: 3,000 mm
Arm length: 3,070 mm
Shoes: 100 mm (4 in) greater than
Bucket type
Counterweight: 3,370 kg
Shank: none



R/W (kg)	1.5		3.0		4.5		6		MAX REACH		
	Cl	Cl _s	Cl	Cl _s	Cl	Cl _s	Cl	Cl _s	Cl	Cl _s	A (m)
0	kg				2,800	2,800			2,000	2,000	5.8
4.0	kg		2,000	2,000	1,900	1,900	1,500	1,400	1,000	1,000	6.7
3	kg		1,550	1,550	1,350	1,350	1,100	1,000	700	700	7.2
1.5	kg				1,000	1,000	800	750	500	500	7.3
0	kg		5,000	5,000	4,500	4,500	3,700	3,500	2,400	2,400	7.2
-1.0	kg		7,800	3,500	5,400	3,000	3,700	2,700	1,000	1,000	6.7
-2	kg		10,000	5,000	6,500	3,500			1,500	2,000	5.8

Lifting capacity at the end of the boom is limited by the capacity of the hydraulic system, weight of the bucket at the bucket lift, and the weight of the bucket itself. The lifting capacity is limited by the following conditions:

Lifting capacity on uneven or uneven standing on a firm, uniform supporting surface.



Working on uneven ground



Working on uneven ground

Do not attempt to lift a load which has a greater than 20% rated capacity of the rated load limit value and height. Height or all accessories must be included from the lifting capacity report for.

The rated capacity is calculated at 100% rated hydraulic pressure. Lull cannot be fully extended. These are not meant to be a lifting capacity or 75% rated load.

Always attach the lift line.

Lifting capacity is limited by machine standing on firm, uniform supporting surface.

Always take the rated lifting capacity of hydraulic capacity when lifting capacity.

Operator should be fully aware of the Operator's and Maintenance instructions when operating the machine and also for the safety device of equipment should be observed for all cases.

LIFTING CAPACITY (METRE)

STACER with 700 mm Shoes, TWO-PIECE Boom, 2,100 mm Arm

Conditions

Boom length: 2,100 mm
 Arm length: 2,500 mm
 Shoes: 700 mm rubber tread shoes
 Bucket type
 Counterweight: 1,370 kg
 Boom type



R/W (kg)	1.5		3.0		4.5		6		MAX REACH		
	Cl	Cl ₂	Cl	Cl ₂	Cl	Cl ₂	Cl	Cl ₂	Cl	Cl ₂	A (m)
B	kg				1,800	1,800			2,000	2,000	3.8
4.5	kg		1,200	1,200	1,400	1,400	1,600	1,600	1,800	1,800	6.7
3	kg		1,550	1,550	1,550	1,550	1,700	1,700	1,850	1,850	7.2
1.5	kg				1,900	1,900	1,900	1,900	2,050	2,050	7.3
D	kg		1,000	1,000	1,200	1,200	1,350	1,350	1,500	1,500	7.2
-1.0	kg		1,800	1,700	1,400	1,350	1,350	1,300	1,000	1,000	6.7
-3	kg		1,500	1,400	1,400	1,350			1,100	1,100	6.6

LIFTING CAPACITY (METRE)

STACER with 500 mm Shoes, TWO-PIECE Boom, 1,900 mm Arm

Conditions

Boom length: 1,900 mm
 Arm length: 2,000 mm
 Shoes: 500 mm rubber tread shoes
 Bucket type
 Counterweight: 1,370 kg
 Boom type



R/W (kg)	1.5		3.0		4.5		6		MAX REACH		
	Cl	Cl ₂	Cl	Cl ₂	Cl	Cl ₂	Cl	Cl ₂	Cl	Cl ₂	A (m)
B	kg				1,800	1,800			2,000	2,000	3.8
4.5	kg		1,200	1,200	1,400	1,400	1,600	1,600	1,800	1,800	6.7
3	kg		1,550	1,550	1,550	1,550	1,700	1,700	1,850	1,850	7.2
1.5	kg				1,900	1,900	1,900	1,900	2,050	2,050	7.3
D	kg		1,000	1,000	1,200	1,200	1,350	1,350	1,500	1,500	7.2
-1.0	kg		1,800	1,400	1,400	1,350	1,350	1,300	1,000	1,000	6.7
-3	kg		1,400	1,300	1,300	1,300			1,100	1,100	6.6

SPECIFICATIONS 915F_{CR}

1. 2542 mm high at the pin end of front bucket.
For 475 kg capacity including bucket, weight of the bucket at the bucket lift rack (bucket must be attached from the lifting operation).

2. Lifting capacity based on the machine standing on a firm, uniform supporting surface.



Rated capacity



Rated capacity

3. 30 mm strength (R) or 100 mm (R) load bar of greater than three times yield or four specified load (tensile and yield). Weight of all components must be included from the above lifting operation.

4. The rated capacity is accompanied with 50% (50%) Hydraulic Capacity Lift Capacity Factor. Must be not exceed 50% of rated lift capacity (or 75% lifting load).

5. Refer to rated lift load.

6. Lifting capacity may be used to determine standing or static lift operation only.

7. Includes the load is lifted by hydraulic capacity (other than lift capacity).

8. Operator should be fully acquainted with the Operator's and Maintenance manuals before using the machine. The machine and load to be a safe quantity of equipment should be adhered to at all times.

LIFTING CAPACITY (RM/TC)

915F_{CR} with 900 mm Stroke, TWO-PIECE Boom, 2,000 mm Arm

A. Load table

B. Load arm height

C. Lifting capacity (RM/TC)

D. Hoisting boom over load

E. Hoisting boom over side of 90°

Conditions

Boom length 2,000 mm

Arm height 2,200 mm

Stroke 900 mm (90° ground level)

Bucket type

Ground weight 3,370 kg

Bucket 750 kg



Back Down

B/A (kg)	1.5								3.0		4.5		6		MAX REACH		A (m)
	Cl	Ca	Cb	Cc	Cd	De	Df	Dg	Dh	Di	Dj	Dk	Dl	Dm	Dn		
0	kg						1,800	1,800						2,000	2,000	3.0	
4.5	kg			4,200	4,200	4,200	3,900	3,900	3,500	3,500	3,100	2,700	2,300	1,900	1,500	4.7	
3	kg			6,100	6,100	6,100	5,600	5,600	5,100	4,600	4,100	3,600	3,100	2,600	2,100	7.2	
1.5	kg						5,800	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	7.3	
0	kg			5,000	5,000	5,000	4,600	4,600	4,200	3,800	3,400	3,000	2,600	2,200	1,800	7.2	
-1.5	kg			7,800	7,800	7,800	7,400	7,400	7,000	6,600	6,200	5,800	5,400	5,000	4,600	6.7	
-3	kg			5,400	5,400	5,400	5,000	5,000	4,600	4,200	3,800	3,400	3,000	2,600	2,200	5.6	

Back Up

B/A (kg)	1.5			3.0		4.5		6		MAX REACH		A (m)
	Cl	Ca	Cb	Cc	Cd	De	Df	Dg	Dh	Di	Dj	
0	kg					1,800	1,800			2,000	2,000	3.0
4.5	kg			4,200	4,200	3,900	3,900	3,500	3,500	3,100	2,700	4.7
3	kg			6,100	6,100	5,600	5,600	5,100	4,600	4,100	3,600	7.2
1.5	kg					5,300	5,300	4,800	4,300	3,800	3,300	7.3
0	kg			5,000	5,000	4,600	4,600	4,200	3,800	3,400	3,000	7.2
-1.5	kg			7,800	7,800	7,400	7,400	7,000	6,600	6,200	5,800	6.7
-3	kg			5,400	5,400	5,000	5,000	4,600	4,200	3,800	3,400	5.6

Lifting capacity is given for the boom without load!
For lifting capacity including bucket weight of the loader or the bucket lifting the capacity must be reduced to the 80% lifting capacity.

Lifting capacity is also limited by machine stability depending on the machine configuration.



Model: L955E (300) 300



Model: L955E (300) 300

1. Do not attempt to lift or hoist a load that is greater than the rated value of the specified lift table and height. Weight of all accessories must be included from the above lifting capacity.
2. The rated load is 4:1 calculated with ISO 7001 (ROPS) Operator Lift Capacity Rating Method. This is not exact 40% of the rated lift capacity or 70% of the rated lift.
3. Always use correct lift feet.

4. Lifting operations performed on uneven ground or on soft, firm and uneven ground.
5. Reduces the load is lifted by hydraulic shock is higher than lifting speed.
6. Operator should be fully acquainted with the Operator's and Maintenance instructions to the operating this machine and should be fully acquainted of equipment should be referred to it manual.

LIFTING CAPACITY (METRIC)

955FCH with 800 Iron Shoes, TWO-PIECE Boom, 2,000 mm Arm

- a. Load table
- b. Load limit height
- c. Lifting capacity rating
- d. Strong back over stick
- e. Hoist back over end of ROPS

Conditions

Boom length: 2,000 mm
Arm length: 2,000 mm
Shoes: 800 mm pipe ground shoes
Bucket: None
Counterweight: 2,000 kg
Tires: 11.5



Side Down

B/A (H)	Lift								MAX REACH			R (H)
	CL	CS	CT	CS	CP	CS	CP	CS	CT	CS	CT	
0	kg				3,800	3,800				2,000	2,040	4.0
4.5	kg			4,200	4,200	3,800	3,800	3,000	2,800	2,000	2,050	4.7
9	kg			3,500	3,300	3,000	2,800	2,000	1,800	1,000	1,100	7.2
1.5	kg					3,300	3,300	3,000	2,800	2,000	1,700	7.3
3	kg			3,000	3,000	3,000	3,000	3,000	2,700	2,000	1,700	7.2
-1.5	kg			3,000	3,000	3,400	3,200	3,000	2,700	2,000	1,800	6.7
-3	kg			3,400	3,000	3,000	3,000			2,000	2,200	6.8

Side Up

B/A (H)	Lift								MAX REACH			R (H)
	CL	CS	CT	CS	CP	CS	CP	CS	CT	CS	CT	
0	kg				3,800	3,800				2,000	2,040	4.0
4.5	kg			4,200	4,200	3,800	3,800	3,000	2,800	2,000	2,050	4.7
9	kg			3,500	3,300	3,000	2,800	2,000	1,800	1,000	1,100	7.2
1.5	kg					3,300	3,300	3,000	2,800	2,000	1,700	7.3
3	kg			3,000	3,000	3,000	3,000	3,000	2,700	2,000	1,700	7.2
-1.5	kg			3,000	3,000	3,400	3,200	3,000	2,700	2,000	1,800	6.7
-3	kg			3,400	3,000	3,000	3,000			2,000	2,200	6.8

SPECIFICATIONS 915F_{CR}

Lifting capacity at the lowest lift configuration.
For lifting capacity, weighing bucket, weight and/or
load(s) of the bucket plus all attachments (except
hoists) from the lifting point.
Lifting capacity is based on the machine
standing on a flat, uniform supporting surface.



Adding weight (A)



Removing weight (B)

- Do not exceed 40% of the rated load limits,
greater than 1500 kN (335,000 lb) at the specified
lift radius, any time. Weight of all accessories
must be deducted from the allowable
capacity.
- The total load may not exceed the rated
capacity of hydraulic actuators, A/C-capacity rating,
hoists or other critical rated parts of the crane.
Lifting capacity is 70% of rated load.
- Rating is based on AAS.

- Lifting capacities are based on machine standing
on level, firm and uniform ground.
- Indicate the rated capacity for hydraulic
capacity when the lifting point is:
- Hoists shown in only one position with the
20-ton (45,000 lb) hoist, indicate the hoist
rating by matching the flow for the only
position of equipment shown in adjacent to
all flow.

LIFTING CAPACITY (METRIC)

915F_{CR} with 700 mm Shovel, TWO-PIECE Boom, 2,500 mm A-sec.

- A: Configuration
B: Lifting point height
C: Lifting capacity (kg)
D: Working reach (m) from
E: Rating (kN) over load or 70%

Conditions:

- Boom length: 2,200 mm
Net weight: 2,500 kg
Shovel: 700 mm 915C groove shovels
Bucket: None
Counterweight: 2,000 kg
Grade: 1%



Hoist Down

R/A (m)	1.5		3.0		4.5		6		MAX REACH		R (kg)
	D	E	D	E	D	E	D	E	D	E	
6	kg				3,000	3,000			3,000	3,000	5.8
4.5	kg		4,000	4,000	3,800	3,800	3,500	3,500	3,000	2,000	6.7
3	kg		3,000	3,000	4,800	4,700	3,700	3,600	3,000	1,800	7.2
1.5	kg				5,300	5,400	4,000	3,900	3,800	1,700	7.3
0	kg		5,000	5,000	5,800	5,800	4,500	4,500	3,800	1,700	7.2
-1.5	kg		3,800	3,800	5,400	5,300	4,000	3,900	3,000	1,800	6.7
-3	kg		3,000	3,000	4,800	4,700			3,000	2,000	5.8

Hoist Up

R/A (m)	1.5		3.0		4.5		6		MAX REACH		R (kg)
	D	E	D	E	D	E	D	E	D	E	
6	kg				2,800	2,800			2,800	2,800	5.8
4.5	kg		4,000	4,000	3,800	3,800	3,500	3,500	3,000	2,000	6.7
3	kg		3,000	3,000	4,300	4,200	3,200	3,100	2,000	1,800	7.2
1.5	kg				5,300	5,400	4,000	3,900	3,800	1,700	7.3
0	kg		5,000	5,000	5,800	5,800	4,500	4,500	3,800	1,700	7.2
-1.5	kg		3,800	3,800	5,400	5,300	4,000	3,900	3,000	1,800	6.7
-3	kg		3,000	3,000	4,800	4,700			3,000	2,000	5.8

1. Lifting capacity at the end of full boom.
For lifting capacity including bucket, weight of the load is the total and must include what is needed to reach the lifting capacity.
Lifting capacities are based on the machine standing on a firm, uniform surface with the



2. Do not attempt to lift a load or load that is greater than the rated amount of the specified front loader and bucket. Weight of all accessories must be deducted from the above lifting capacities.
3. The rated loading capacity applies only to hydraulic lift. Do not lift hydraulic lift capacity with the boom raised. This is not more than 2% of the rated lifting capacity or 70% boom lift.
4. Rating of bucket lift only.

5. Lifting capacities are based on machine standing on firm, level and uniform ground.
6. Includes the load allowed by hydraulic capacity (other than 100% capacity).
7. Operator should use 40% capacity when the boom is over 90 degrees. Reducing the boom capacity according to the machine's performance chart for the safe operation of the machine should be followed to the full extent.

LIFTING CAPACITY (MTRNC)

8107CR with 300 mm Boom, TWO-PIECE Boom, 2,000 mm Arm

Conditions:

- A: 1.5M reach
B: 1.0M reach height
C: Lifting capacity rating
D: Rating boom extended
E: Rating bucket at end of boom

Boom length: 2,000 mm
Arm length: 2,200 mm
Stroke: 300 mm (MAX) with boom
Bucket: None
Counterweight: 2,000 kg
Shovel: YES



RM (kg)	Blade Down										MAX REACH		A (kg)	
	1.5		2.0		2.5		3.0		3.5		C1	C2		
	C1	C2	C1	C2	C1	C2	C1	C2	C1	C2				
5	kg					5,850	7,800					2,050	2,050	5.8
4.5	kg			4,200	4,200	4,950	5,900	5,500	5,400	5,600	5,600	2,100	2,100	6.7
3	kg			16,350	8,000	9,500	5,100	12,700	3,020	12,800	1,700	1,700	7.2	
1.5	kg					5,500	3,200	6,000	2,200	5,800	1,800	1,800	7.2	
0	kg			5,000	5,000	5,850	3,550	4,200	2,100	4,450	1,650	1,650	7.2	
-1.0	kg			7,800	5,500	5,400	3,000	4,800	2,050	5,100	1,600	1,600	6.7	
-2	kg			16,400	7,800	9,500	3,300			3,300	1,300	1,300	5.8	

RM (kg)	Blade Up										MAX REACH		A (kg)	
	1.5		2.0		2.5		3.0		3.5		C1	C2		
	C1	C2	C1	C2	C1	C2	C1	C2	C1	C2				
5	kg					5,850	7,800					2,050	2,050	5.8
4.5	kg			4,200	4,200	4,950	5,900	5,500	5,400	5,600	5,600	2,100	2,100	6.7
3	kg			16,350	8,000	9,500	5,100	12,700	3,020	12,800	1,700	1,700	7.2	
1.5	kg					5,500	3,200	6,000	2,200	5,800	1,800	1,800	7.2	
0	kg			5,000	5,000	5,850	3,550	4,200	2,100	4,450	1,650	1,650	7.2	
-1.0	kg			7,800	5,500	5,400	3,000	4,800	2,050	5,100	1,600	1,600	6.7	
-2	kg			16,400	7,800	9,500	3,300			3,300	1,300	1,300	5.8	

STANDARD EQUIPMENT

ENGINE SYSTEM

813FOR

815FOR

- Cummins IS3.8 engine, EU Stage V, turbocharged, 4 cylinder, 4 stroke, water cooled
- 3-power modes (Power, Standard, Economy)
- Engine overheat prevention system
- Engine oil low pressure protection
- Auto-idle speed control
- Automatic engine shutdown
- Two-core air filter with integrated pre-filter
- Plastic fuel tank
- Manual fuel lifting pump
- Fuel pre-filter with water separator and water detector
- Remote engine oil filter
- Ground level engine oil gauge
- Lockable engine oil gauge
- Rainbox-dustproof net
- R4 conditioner compressor belt automatic tension
- -20°C cold start capability

HYDRAULIC SYSTEM

813FOR

815FOR

- Full electric control hydraulic system
- Power boost function
- Pilot control shut-off lever
- Pilot accumulator
- Automatic swing parking brake
- Swing with anti-reverse function
- Automatic two-speed travel
- Automatic brake parking brake

OPERATOR STATION

013FCR

015FCR

- Pressures and level indicators
- ROPS seat (seat cab)
- Lower windshield can be removable
- Operate from windshield with assist device
- Large roof window with slide sliding sun visor
- Air suspension deluxe seat (with heater and head rest) -retractible seat belt (75 mm [3 in]) width, rear collar, with green alarm lamp
- Console and seat height adjustable tilt-back
- 8 inches high resolution LCD touch screen + integrated control panel
- Automatic air conditioner, heater, defroster
- Fire extinguisher
- Safety hammer for cab evacuation
- Over safety glass
- Cab interior lighting
- Left control box can be removed

ELECTRICAL SYSTEM

013FCR

015FCR

- Monitor: working mode, working hour, water temperature, oil temperature, fuel level, DEF level, fuel consumption, rear vision, fault code, work condition etc. machine information
- Warn: low engine oil pressure, low fuel level, air filter clog, machine overheat, low coolant level, low DEF level, maintenance remind etc.
- Two maintenance free battery
- Battery disconnect switch
- Front window wiper with time adjustable intermittent feature
- AMPM ratio with auxiliary input
- Blue tooth
- Working lights close time delay by programmable
- Cab interior decoration lights close time delay by programmable
- Ground level engine startoff switch
- Set password for auxiliary hydraulic flow adjustments
- Work load flow and pressure programmable memories
- Control pattern change valve

UNDERCARRIAGE

013FCR

015FCR

- Rollers, bottom - 2 each side
- Rollers, top - 1 each side
- Rollers, top - 2 each side
- 1 piece track guards (each side)
- Travel motor guards
- Centralized lubrication for swing bearing
- Towing eye on base frame
- Traction hole on base frame

UPPER STRUCTURE

913FCR

915FCR

- Punched metal arch over pedals
- Foot pedal is in engine crank
- Tool box
- Standard frame under cover
- One key for all locks
- 3000kg counterweight
- 500kg extra counterweight

**DIGGING EQUIPMENT**

913FCR

915FCR

- 4000hrs torque
- Arm front end with guard bars
- Manual (vertical) hydraulic on boom

**SERVICE AND MAINTENANCE**

913FCR

915FCR

- Maintenance tool kit
- Maintenance parts package
- Data diagnostic port
- Self diagnostic system

OPTIONAL EQUIPMENT

ENGINE SYSTEM

013FCR

015FCR

- Electric refueling pump with auto shut-off

HYDRAULIC SYSTEM

013FCR

015FCR

- Boom and arm holding valves
- Hand proportional control auxiliary dual way pipes
- Hand proportional control auxiliary swing pipes
- PTO map flow with manual control
- Auxiliary single-double hydraulic lines exchange on the monitor
- Auxiliary dual pipe flow & pressure adjustable
- High pressure quick-coupler pipes
- Low pressure quick-coupler pipes
- Attachment oil drain line
- Bucket cylinder red protect

OPERATOR STATION

013FCR

015FCR

- Cab lower window guard
- Cab top guard
- Operator side front guard
- Cab front guard and top guard (falling object protective structure)
- Sunscreen
- Front window rain wiper

ELECTRICAL SYSTEM

013FCR

015FCR

- Overhead warning device
- Travel alarm
- Rotating beacon
- Rotating warning light
- Reserved installation seat and wiring harness for double warning lights in the cab
- Quicker-coupler sparing warning
- Starting code
- Right boom working light
- Left boom working light
- Right platform working light
- Rear and right side view cameras
- 360° view
- Cab LED ceiling lights (2 in front)
- Cab LED ceiling lights (4 in front and 2 in rear)

<ul style="list-style-type: none"> • Work lights: long strip LED light in front and rear cab • Reserved installation seat and wiring harness for double warning lights in the cab • Reserved installation seat and wiring harness for the long strip cab LED ceiling lights • 12V power supply 	-	-
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UNDERCARRIAGE	R13FCR	R15FCR
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<ul style="list-style-type: none"> • Standard track undercover • Reinforced track jacking bar • 1 piece track guards (each side) • 2 piece track guards (each side) • 900mm track-shoes with triple grousers • 800mm track-shoes with triple grousers • 700mm track-shoes with triple grousers and auxiliary tank footrest • 800mm rubber block track • Dozer with locking function • Dozer with floating function 	-	-
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UPPER STRUCTURE	R13FCR	R15FCR
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<ul style="list-style-type: none"> • Guard fence of upper frame around • Standard frame under cover • Reinforced frame under cover • 600kg extra counterweight 	-	-
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DIGGING EQUIPMENT	R13FCR	R15FCR
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<ul style="list-style-type: none"> • Bucket linkage with lifting eye • Bucket lifting hole • Bucket cylinder rod protect • 2100mm short reach arm • 2500mm arm • 2900mm long reach arm • 4800mm boom • Two pieces boom • 0.5m³ standard bucket • 0.55m³ standard bucket • Bucket mounts • Bucket cylinder rod protect 	-	-
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