LiuGong

# 930F
# 933F
# 936F
# 939F
# 942F
# EXCAVATOR

ALL NEW F-SERIES

**930F/933F**

| | |
|---|---|
| **Engine** | B6.7 |
| **Net Power** | 161kW |
| **Operating Weight** | 31,500 - 35,400kg |
| **Bucket Capacity** | 1.6m³ |

**936F/939F/942F**

| | |
|---|---|
| **Engine** | L9 |
| **Net Power** | 219kW |
| **Operating Weight** | 38,600 - 44,000kg |
| **Bucket Capacity** | 2.1m³ |

TOUGH WORLD. TOUGH EQUIPMENT.

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

## YOUR PERFORMANCE DASHBOARD

Research tells us that 6 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 30 - 42T range.**

TOUGHNESS & DURABILITY

POWER & EFFICIENCY

INTELLIGENCE & CONTROL

COMFORT & ERGONOMICS

SAFETY & VISIBILITY

UPTIME & MAINTENANCE

With the All New 30 - 42T range we’ve built a machine which matches your performance criteria exactly. No compromises, just everything you need. It’s not rocket science, it’s just customer focus matched with intelligent design.

## 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 owned and operated.

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

reddot design award

**RED DOT AWARD-WINNING DESIGN**

Our UK design team were recently recognized with a prestigious Red Dot Award for our new 4180D motor grader recognising its innovation and excellence in product design.

# HERE'S THE BIG PICTURE...

## POWER & EFFICIENCY

**NEW**

- 3 new power modes - Power, Standard and Eco

**IMPROVED**

- Cummins VGT technology engine delivers 5% more torque
- 20% increase on slew torque

## TOUGHNESS & DURABILITY

**NEW**

- Heavier duty undercarriage with bilateral supported upper rollers

**IMPROVED**

- Longer undercarriages & increased counterweight masses
- Extra strong boom & arm - reduces stress by 25%
- 100% flaw detection

## INTELLIGENCE & CONTROL

**NEW**

- Electro-hydraulic control technology
- Boom float technology
- Attachment flow and pressure control

ALL NEW F-SERIES

# 930F/933F/936F/939F/942F EXCAVATOR

## SAFETY & VISIBILITY

- 360 degree camera
- Ground level daily inspection
- Anti-slip tread plates and guard rails

## UPTIME & MAINTENANCE

**IMPROVED**

- 1,000h air filter cycle
- Component wear reduced by 70%

**NEW**

- 5,000 hour long life oil
- Oil bath pre-cleaner option

## COMFORT & ERGONOMICS

**NEW**

- F-Series Ergonomic cab design
- Intuitive operator interfaces & control

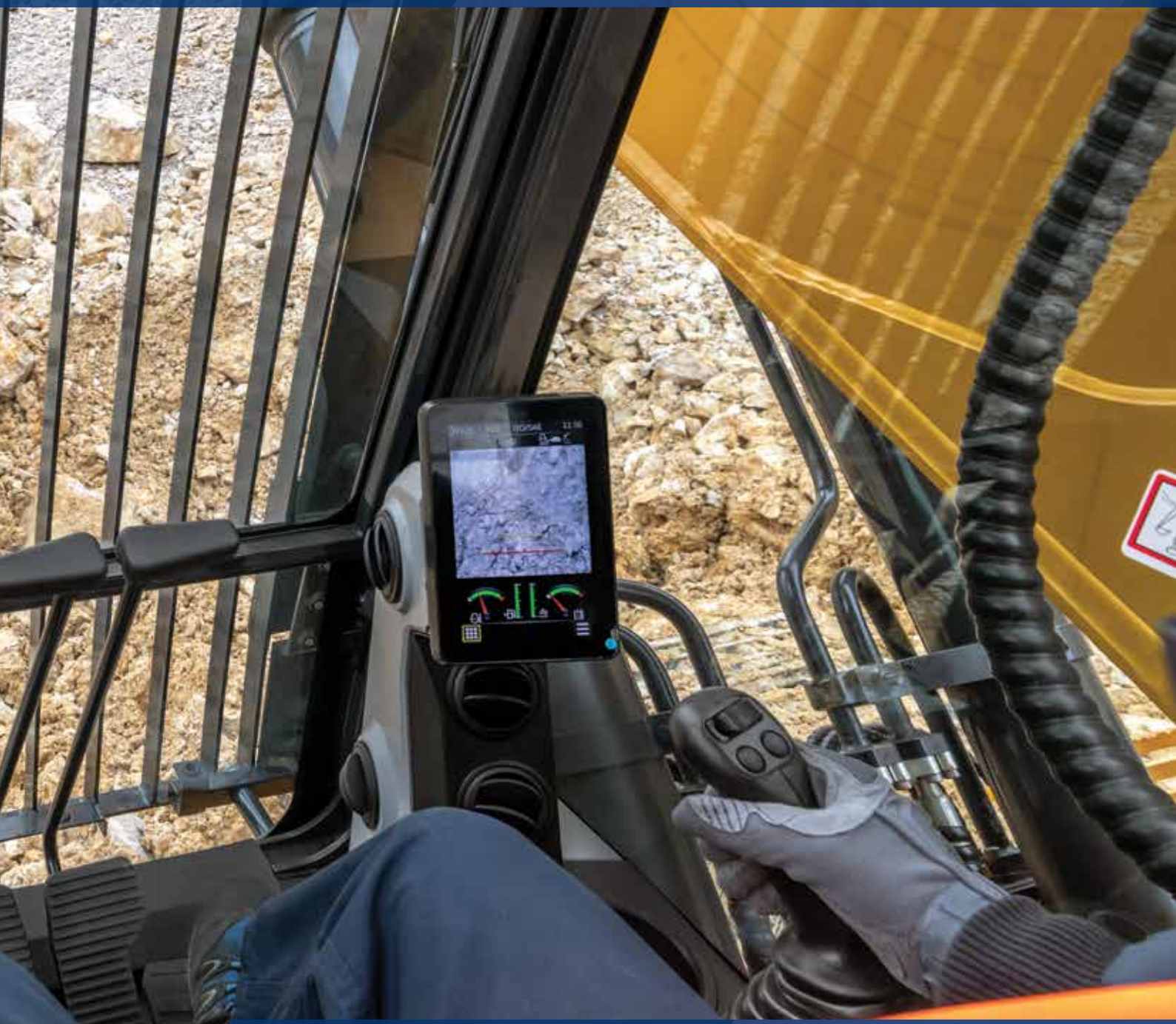
**IMPROVED**

- Quiet (69dBA) and clean (pressurised environment)

**NOW FOR THE DETAIL...**

# “NO MATTER WHAT YOU D
# TO TRUST YOUR MACHINE 1

# O, YOU'VE GOT
# 00% ”



## TOUGHNESS AND DURABILITY

### DESIGNED TO WORK HARDER, FOR LONGER

# DESIGNED TO WORK HARDER, FOR LONGER...

To build machines that can withstand the hardest 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. INCREASED LOAD SUPPORT

- Upper rollers adopt bilateral support to increase the support and reduce wear

### 2. EXTRA PROTECTION

Deeper side beams provide higher impact resistance and make it quicker and easier to add additional impact plates if required.

### 3. EXTRA VIGILANCE

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

### 4. INCREASED STABILITY

- 930F counterweight increased by 300kg to 5.8T
- 936F counterweight increased by 700kg to 7.7T

### 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 **25%**.

- 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

## PERFORMANCE STATISTICS

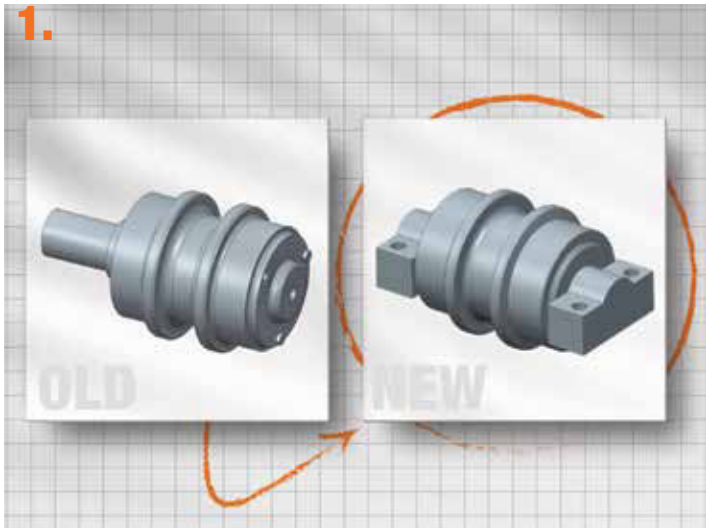
1. +10% INCREASE IN 936F COUNTERWEIGHT

2. DEEPER SIDE BEAMS

3. 100% FLAW DETECTION

5. 25% STRESS REDUCTION

1.

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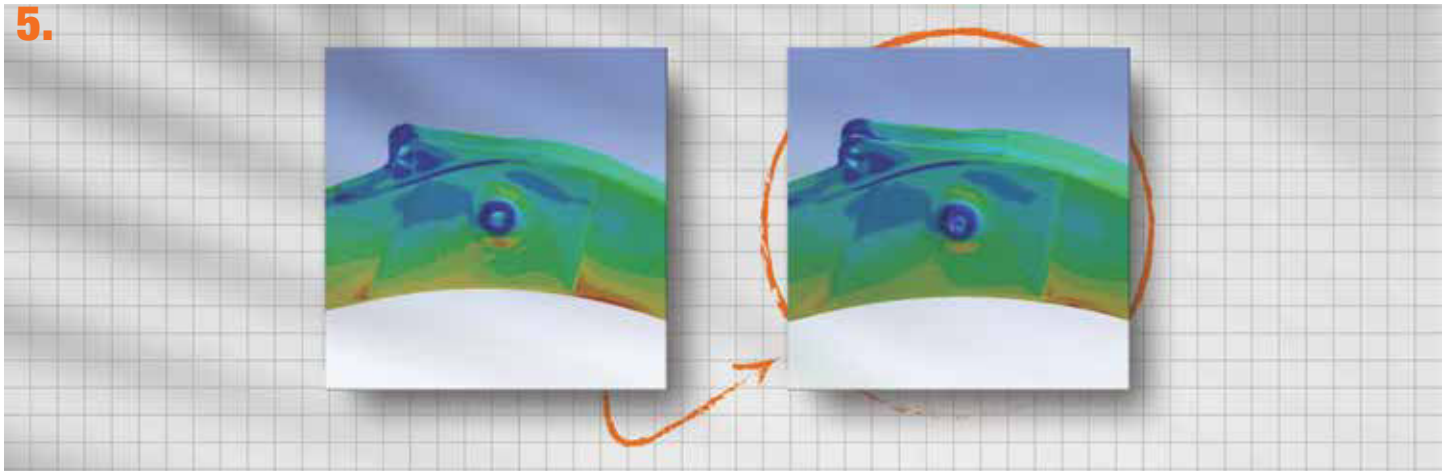


# TOUGHNESS IS WHAT WE DO...

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

# “ WHY CHOOSE BETWEEN P
# EFFICIENCY WHEN YOU CAN

# POWER AND 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 30 - 42T range 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, six-cylinder Cummins engines deliver 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. 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.

### 3. EXCEED YOUR EXPECTATIONS

When it comes to efficiency, the 30 - 42T range 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.

### 5. MOVE MORE FOR LESS

We are always improving our performance, with fuel consumption reduced by 10% and efficiency increased by 5% compared to the E Series, we have delivered on that promise.

### 4. BOOSTING YOUR PERFORMANCE

- 20% Increased Slew Torque on 930F/933F and 23% Increase of 936F/939F/942F
- Increased Travel Motor Power: 930F/933F - 6% Increase 942F - 9% Increase

**EXTRA**

- 942F offers increased lift performance with 20mm larger diameter boom cylinders

## PERFORMANCE STATISTICS

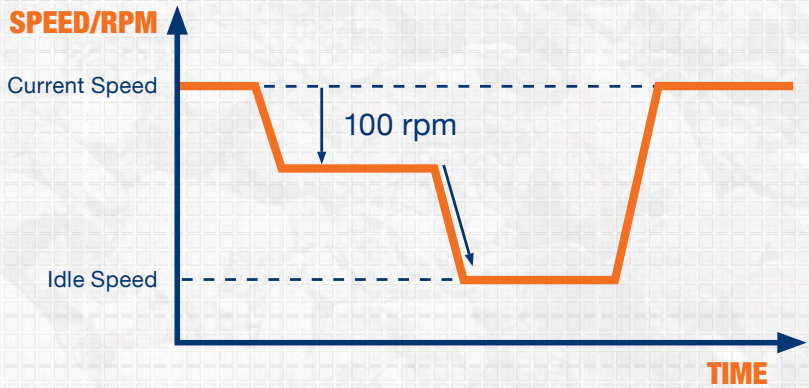
1. +5% EXTRA TORQUE

5. +10% BETTER ON FUEL

5. +20% INCREASE ON SLEW TORQUE

1.

2.




3.

FEED FORWARD

OPERATOR MOVES JOYSTICK

PREDICTED MACHINE LOAD

ENGINE FUELLING CORRECTION

ENGINE SPEED DROPS LESS

SHORTER SPEED RECOVERY

4.

# WHY COMPROMISE?

The all New 30 - 42T range let's 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 30 - 42T range may surprise you as it's 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 lightening 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. INCREASED HYDRAULIC PERFORMANCE

- 936F/939F/942F features a larger pump with 11% increased flow

### 5. WORK SMARTER WITH BOOM FLOAT

Improves performance and prolongs tool life by preventing excessive pressure during braking applications.

Perfect for smooth levelling and deep excavation work, this smart function reduces fuel consumption by allowing the boom to fall under its own mass.

## PERFORMANCE STATISTICS

4. x10 ATTACHMENT SETTINGS

2. +11% INCREASE ON 936F / 939F / 942F

1. x3 DEDICATED POWER MODES

3. -10% REDUCTION IN FUEL CONSUMPTION

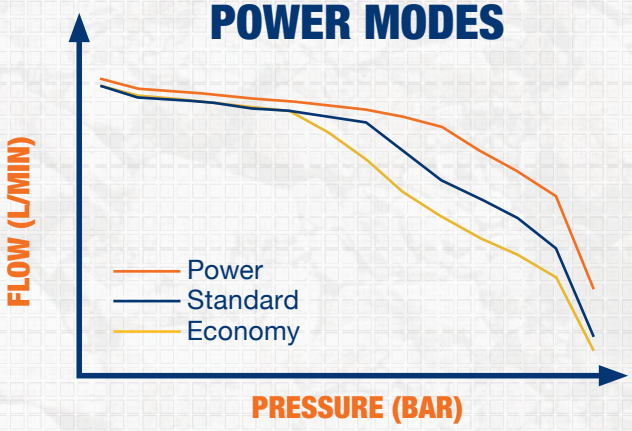
1.

**ECONOMY (E) MODE**
**FOR LIGHT WORK**

**STANDARD (S) MODE**
**FOR STANDARD OPERATION**

**POWER (P) MODE**
**FOR HEAVY DUTY**

2.

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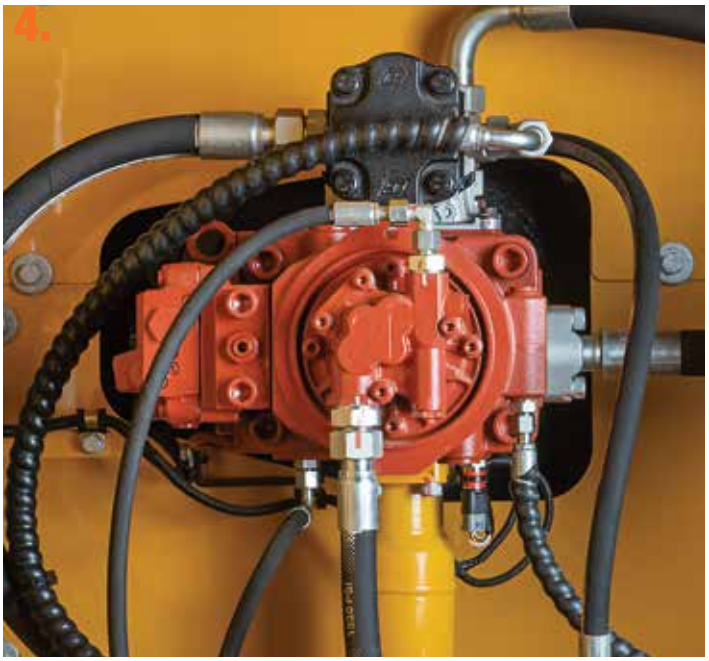

5.

# SMART IDEAS IN ACTION

The all New 30 - 42T range has the perfect balance of toughness and intelligence designed to keep you in control.

# “ TOUGH DAYS GO FASTER
# YOU’RE WORKING IN COMFO

# WHEN
# RT ”

## 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 its like to be an operator. Talking, 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 masterclass in design.
- Every action and movement requires the minimum of effort from the operator.
- Boom float, travel speed and proportional auxiliary controls are customizable and finger tip controlled - you can even mute your music!

### 2. 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.

### 3. 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.

### 4. 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.

- Cool box for food & drinks
- Large storage box and rack
- Drinks holder
- Phone holder with 12V charging, USB and AUX ports

### 5. IT'S SO QUIET

Our latest F Series cabin and sound insulation system dramatically reduces the noise in cab by as much as 3dB on the 930F/933F and 6dB on the 936F/939F/942F.

## 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 30 - 42T range gives you the operating environment you would design for yourself.

- ENHANCED VISIBILITY
- HIGH COMFORT, FULLY ADJUSTABLE SEAT
- CUSTOMIZABLE OPERATING HANDLE
- LOW NOISE AND LOW VIBRATION

# “ WE CONSTANTLY ASK... H
# MAKE OUR MACHINES EVEN

# HOW CAN WE SAFER ”

## SAFETY AND VISIBILITY

### DESIGNED TO PROTECT

# SAFER ALL-ROUND ACCESS

Being protected in the cab is important, but accident research shows us that most accidents occur outside of the machine. We've taken the challenge 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
- The engine compartment features a gripped access platform.
- Optional guard rails or integral fences on the left and right sides of the upper platform increase safety.

### 3. EMERGENCY STOP

The ground level emergency stop switch is fitted as standard.

### 4. BE SAFE. BE SEEN

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

### 5. SEE THE WHOLE SITE

Our cab design provides the operator with the very best view of the site, from every angle. Smart design ideas such as integrating the steps into the line of the cabin, improve visibility on the right hand side giving a 180 degree view.

### 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. 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.

## BETTER BY DESIGN

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

With the All New 30-42T we've pushed the barriers and taken visibility another step forward.

*4180D Motorgrader

reddot design award

# YOUR SAFETY - OUR PRIORITY

The all New 30 - 42T range has 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 30-42T even easier 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. SPACE FOR YOUR KIT

We've increased the storage space behind the cab and added a segregating tray to create a useful space for your maintenance kit such as grease guns and lifting equipment.

### 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.
- To aid access to the upper structure, a second access ladder behind the cabin offers additional convenience to the operator.

### 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. Optional automatic lubrication pipeline gives you easy access to all the lubrication points in one place, saving you even more time on daily maintenance.

### 5. 5000 HOUR OIL LIFE

New long life hydraulic oil reduces total cost of ownership and saves service maintenance time.

## PERFORMANCE STATISTICS

5. 5000 hour HYDRAULIC OIL LIFE

3. GROUND LEVEL MAINTENANCE

500mm WIDE ACCESS STEPS

5. -20% LOWER MAINTENANCE COSTS

1.
13.5h
P1
ISO/SAE
4:19
Maintenance information
Maintenance items
Maintenance period
Remaining time
Check the refrigerant for leakage.
500h
487h
Replace engine oil
500h
487h
Replace engine oil filter
50h
37h
Replace fuel pre-filter
50h
37h
Replace fuel filter
500h
487h
Lubricate swing internal gear

2.

3.
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4.
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5.

# SPECIFICATIONS

## OPERATING WEIGHT

**930F** 31,600 kg (70,222 lbs)
**933F** 34,300 kg (76,222 lbs)
**936F** 38,800 kg (86,222 lbs)
**939F** 39,800 kg (88,444 lbs)
**942F** 42,800 kg (95,111 lbs)

Operating weight includes coolant, lubricants, full fuel tank, cab, standard shoes, boom, arm, bucket and operator 75 kg (165 lbs).

| | |
|---|---|
| **Bucket Capacity** | **930F** 1.4 m³ (1.8 yd³ )<br>**933F** 1.4 m³ (1.8 yd³ )<br>**936F** 1.8 m³ (2.35 yd³ )<br>**939F** 2.0 m³ (2.62 yd³)<br>**942F** 2.1 m³ (2.75 yd³ ) |

## HYDRAULIC SYSTEM

| | |
|---|---|
| **Main pump** | |
| Type | Load-sensing variable pump |
| Maximum flow | **930F/933**<br>2 × 266 L/min<br>(2 × 70.3 gal/min)<br>**936F/939F/942F**<br>2 × 333 L/min<br>(2 × 88 gal/min) |
| **Relief valve setting** | |
| Implement | 34.3 MPa (4,975 psi) |
| Travel circuit | 34.3 MPa (4,975 psi) |
| Slew circuit | 32.4 MPa (4,699 psi) |
| Pilot circuit | 3.5~3.9 MPa<br>(508~566 psi) |
| **Hydraulic cylinders** | |
| Boom Cylinder – Bore × Stroke | **930F/933F**<br>Φ140 × 1,342 mm<br>(Φ5.5'' × 4'4'')<br>**936F/939F/942F**<br>Φ140 × 1,505 mm<br>(Φ5.5'' × 4'11'') |
| Arm Cylinder – Bore × Stroke | **930F/933F**<br>Φ150 × 1,755 mm<br>(Φ5.9'' × 5'9'')<br>**936F/939F/942F**<br>Φ175 × 1,785 mm<br>(Φ6.9'' × 5'10'') |
| Bucket Cylinder – Bore × Stroke | **930F/933F**<br>Φ140 × 1,135 mm<br>(Φ5.5'' × 3'8'')<br>**936F/939F/942F**<br>Φ160 × 1,250 mm<br>(Φ6.3'' × 4'1'') |

## ELECTRIC SYSTEM

| | |
|---|---|
| System Voltage | 24 V |
| Batteries | 2 x 12 V |
| Alternator | 24 V - 70 A |
| Start motor | **930F/933F**<br>24 V-7.8 kW (24 V-10.5 hp)<br>**936F/939F/942F**<br>24 V-8 kW (24 V- 0.7 hp) |

## ENGINE

**Description**

**930F/933F** Cummins B6.7
**936F/939F/942F** Cummins L9

| | |
|---|---|
| Emission rating | EU Stage V |
| Engine manufacturer | Cummins |
| Engine model | **930F/933F** B6.7<br>**936F/939F/942F** L9 |
| Aspiration | Turbo |
| Charged air cooling | / |
| Cooling fan drive | Direct |
| Displacement | **930F/933F**<br>6.7 L (1.77 $in^3$)<br>**936F/939F/942F**<br>8.9 L (2.35 $in^3$) |
| Rated speed | **930F/933F** 2,000 rpm<br>**936F/939F/942F** 2,100 rpm |
| Engine output - net (SAE J1349 / ISO 9249) | **930F/933F**<br>161 kW (219 hp)<br>**936F/939F/942F**<br>219 kW ( 298 hp) |
| Engine output - rated (SAE J1995 / ISO 14396) | **930F/933F**<br>173 kW (235 hp)<br>**936F/939F/942F**<br>231 kW (314 hp) |
| Maximum torque | **930F/933F**<br>949 N·m (700 lbf) @ 1,500 rp m<br>**936F/939F/942F**<br>1,526 N·m (1,126 lbf) @ 1,400 rpm |
| Bore × Stroke | **930F/933F**<br>107 × 124 mm (4.2'' × 4.9'')<br>**936F/939F/942F**<br>114 × 145 mm (4.4'' × 5.7'') |

## DRIVE AND BRAKES

**Description**

2-speed axial piston motors with oil disk brakes. Steering controlled by two hand levers with pedals.

| | |
|---|---|
| Max. travel speed | **930F/933F**<br>High: 5.5 km/h (3.4 mph)<br>Low: 3.0 km/h (1.9 mph)<br>**936F/939F**<br>High: 5.5 km/h (3.4 mph)<br>Low: 3.4 km/h (2.1 mph)<br>**942F**<br>High: 5.4 km/h (3.4 mph)<br>Low: 2.9 km/h (1.8 mph) |
| Gradeability | 35°/70% |
| Max. drawbar pull | **930F/933F/936F/939F**<br>320 kN (71,939 lbf)<br>**942F** 350 kN (78,683 lbf) |

## SWING SYSTEM

**Description**

Planetary gear reduction driven by high torque axial piston motor, with oil disk brake. Swing parking brake resets within five seconds after swing pilot controls return to neutral.

| | |
|---|---|
| Swing speed | **930F/933F** 10.3 rpm<br>**936F/939F** 10 rpm<br>**942F** 9.8 rpm |
| Swing torque | **930F/933F**<br>127,000 N·m (93,670 lbf·ft)<br>**936F/939F/942F**<br>137,000 N·m (101,046 lbf·ft) |

## UNDERCARRIAGE

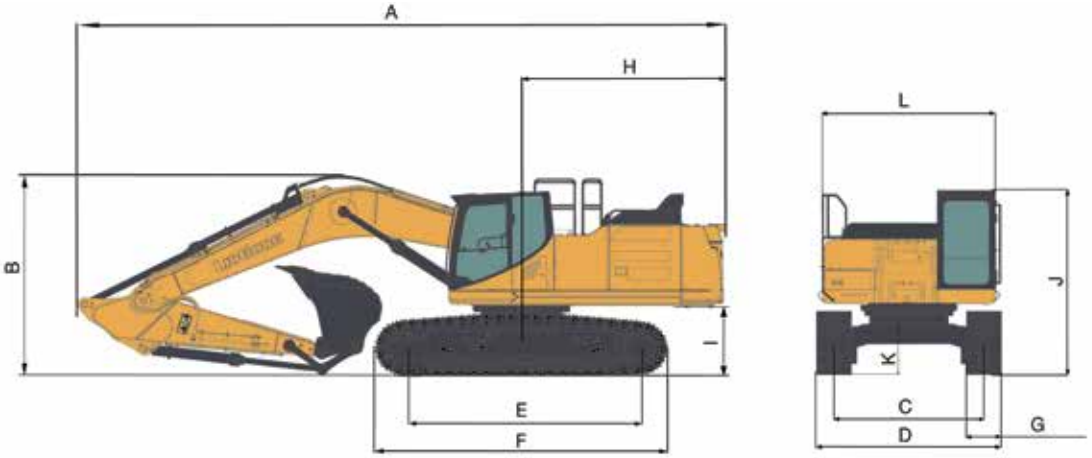
| | |
|---|---|
| Track shoe each side | **930F** 51<br>**933F/936F/939F** 49<br>**942F** 50 |
| Link pitch | / |
| Shoe width, triple grouser | 600 mm (1'12'') |
| Bottom rollers each side | 9 |
| Top rollers each side | 2 |
| Chain track pitch | **930F** 203 mm (7.9'')<br>**933F/936F/939F/942F**<br>216 mm (8.5'') |

## SERVICE CAPACITIES

| | |
|---|---|
| Fuel tank | **930F/933F** 520 L (137.4 gal)<br>**936F/939F/942F** 620 L (163.8 gal) |
| Engine oil | **930F/933F** 23 L (6.1 gal)<br>**936F/939F/942F** 30 L (7.9 gal) |
| Final drive (each) | 2 × 9.5 L (2 × 2.5 gal) |
| Swing drive | 10.5 L (2.8 gal) |
| Cooling system | **930F/933F** 35 L (9.2 gal)<br>**936F/939F/942F** 37 L (9.8 gal) |
| Hydraulic reservoir | **930F/933F** 195 L (51.5 gal)<br>**936F/939F/942F** 240 L (63.4 gal) |
| Hydraulic system total | **930F/933F** 360 L (95.1 gal)<br>**936F/939F/942F**<br>450 L (118.88 gal) |
| DEF tank | 65 L (17.17 gal) |

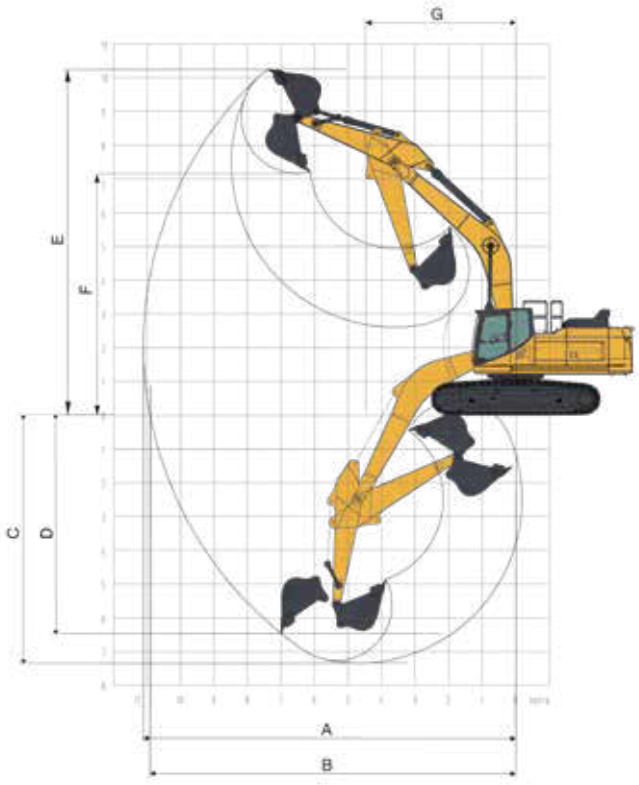
## SOUND PERFORMANCE

| | |
|---|---|
| Interior Sound Power Level (ISO 6396) | **930F/933F/936F/939F**<br>69 dB(A)<br>**942F** /dB(A) |
| Exterior Sound Power Level (ISO 6395) | **930F/933F/936F/939F**<br>105 dB(A)<br>**942F** /dB(A) |




| DIMENSIONS | 930F/933F | |
|---|---|---|
| Boom | 6,200 mm (20'4'') | |
| Arm Options | 3,050 mm (10'0'') | 2,600 mm (8'6'') |
| A Shipping Length | **930F** 10,653 mm (34'11'') / **933F** 10,650 mm (34'11'') | **930F** 10,250 mm (33'7'') |
| B Shipping Height – Top of Boom | 3,525 mm (11'7'') | |
| C Track Gauge | 2,590 mm (8'6'') | |
| D Undercarriage Width– 600mm shoes | 3,190 mm (10'6'') | |
| E Length to Center of Rollers | **930F** 4,010 mm (13'2'') / **933F** 4,140 mm (13'7'') | |
| F Track Length | **930F** 4,935 mm (16'2'') / **933F** 5,075 mm (16'8'') | |
| G Track Shoe Width | 600 mm (24") | |
| H Tail Swing Radius | **930F** 3,233 mm (10'7'') / **933F** 3,280 mm (10'9'') | |
| I Counterweight Ground Clearance | 1,250 mm (4'1'') | |
| J Overall Height of Cab | 3,175 mm (10'5'') | |
| Overall Height of Cab-with OPG | 3,310 mm (10'10'') | |
| Overall Height of Cab- with dome lamp | 3,310 mm (10'10'') | |
| K Min. Ground Clearance | 535 mm (1'9'') | |
| L Overall Width of Upper Structure | 2,995 mm (9'9'') / 3,059 mm (10'0'') | |

| DIMENSIONS | 936F | 939F | 942F |
|---|---|---|---|
| Boom | | 6,400 mm (21') | |
| Arm Options | 3,200 mm (10'6'') / 2,900 mm (9'6'') / 2,600 mm (8'6'') | | 3,200 mm (10'6'') / 2,900 mm (9'6'') / 2,600 mm (8'6'') |
| A Shipping Length | 11,300 mm (37'1'') | | 11,597 mm (37'1'') |
| B Shipping Height – Top of Boom | 3,800 mm (12'6'') | | 3,800 mm (12'6'') |
| C Track Gauge | 2,590 mm (8'6'') | | 2,740 mm (8'6'') |
| D Undercarriage Width– 600mm shoes | 3,190 mm (10'6'') | | 3,400 mm (11'1'') |
| E Length to Center of Rollers | 4,140 mm (13'7'') | | 4,250 mm (13'11'') |
| F Track Length | 5,075 mm (16'8'') | | 5,215 mm (17'1'') |
| G Track Shoe Width | 600 mm (24") | | 600 mm (24") |
| H Tail Swing Radius | 3,593 mm (11'9') | | 3,766 mm (12'4'') |
| I Counterweight Ground Clearance | 1,250 mm (4'1'') | | 1,250 mm (4'1'') |
| J Overall Height of Cab | 3,175 mm (10'5'') | | 3,175 mm (10'5'') |
| Overall Height of Cab-with OPG | 3,310 mm (10'10'') | | 3,310 mm (10'10'') |
| Overall Height of Cab- with dome lamp | 3,310 mm (10'10'') | | 3,310 mm (10'10'') |
| K Min. Ground Clearance | 545 mm (1'9'') | | 545 mm (1'9'') |
| L Overall Width of Upper Structure | 2,995 mm (9'9'') / 3,059 mm (10'0'') | | 2,995 mm (9'9'') / 3,059 mm (10'0'') |




| WORKING RANGE | 930F/933F | | 936F/939F/942F | | |
|---|---|---|---|---|---|
| Boom Length | 6,200 mm (20'4'') | | 6,400 mm (21') | | |
| Arm Length | 3,050 mm (10'0") | 2,600 mm (8'6") | 3,200 mm (10'6") | 2,900 mm (9'6") | 2,600 mm (8'6") |
| A. Max. Digging Reach | 10,653 mm (34'11") | 10,250 mm (33'8") | 11,100 mm (36'5") | 10,728 mm (35'2") | 10,560 mm (34'8") |
| B. Max. Digging Reach on Ground | 10,453 mm (34'4") | 10,032 mm (32'11") | 10,900 mm (35'9") | 10,527 mm (34'6") | 10,350 mm (33'11") |
| C. Max. Digging Depth | 7,300 mm (23'11") | 6,825 mm (22'5") | 7,340 mm (24'1") | 6,890 mm (22'7") | 6,730 mm (22'1") |
| D. Max. Vertical Wall Digging Depth | 6,216 mm (20'5") | 5,450 mm (17'11") | 6,460 mm (21'2") | 5,085 mm (16'8") | 4,430 mm (14'6") |
| E. Max. Cutting Height | 10,300 mm (33'10") | 10,007 mm (32'10") | 10,240 mm (33'7") | 9,818 mm (32'3") | 9,830 mm (32'3") |
| F. Max. Dumping Height | 7,265 mm (23'10") | 7,086 mm (23'3") | 7,160 mm (23'6") | 6,655 mm (21'10") | 6,900 mm (22'8") |
| G. Min. Front swing radius | 4,040 mm (13'3") | | 4,465 mm (14'8") | 4,385 mm (14'5") | 4,700 mm (15'5") |
| Max. Digging Depth, 2.44 m (8') Level | / | | | / | |
| Lift above Ground | / | | | / | |
| Depth below Ground | / | | | / | |
| Bucket Digging Force (ISO) | 203 kN ( 45,636 lbf) | | | 290 kN ( 65,195 lbf) | |
| Arm Digging Force (ISO) | 149 kN ( 33,497 lbf) | 165 kN ( 37,093 lbf) | 196 kN ( 44,063 lbf) | 227 kN ( 51,032 lbf) | 243 kN ( 54,629 lbf) |
| Bucket Capacity | 1.4 m³ (1.8 yd³) | | | **936F** 1.8 m³ (2.4 yd³)<br>**939F** 2.0 m³ (2.6 yd³)<br>**942F** 2.1 m³ (2.7 yd³) | |
| Bucket Tip Radius | 1,671 mm (5'6") | | | **936F/939F** 1,785 mm (5'10")<br>**942F** 1,839 mm (6'0'') | |

## MACHINE WEIGHTS AND GROUND PRESSURE 930F

| Shoe width | Operating weight | Ground pressure | Overall width |
|---|---|---|---|
| | 6.2 m (20'4'') boom, 3.05 m (10'0'') arm, 1.4 m³ (1.8 yd³) bucket, 5,200 kg (11,464 lbs) counterweight | | |
| 600 mm (24") | 31,600 kg (70,222 lbs) | 59.4 kPa (8.6 psi) | 3,190 mm (10'5'') |
| 700 mm (28") | 32,000 kg (70,548 lbs) | 52 kPa (7.5 psi) | 3,190 mm (10'5'') |
| 800 mm (32") | 32,400 kg (71,430 lbs) | 46 kPa (6.7 psi) | 3,190 mm (10'5'') |
| 900 mm (35") | 32,800 kg (72,312 lbs) | 41 kPa (5.9 psi) | 3,190 mm (10'5'') |

## MACHINE WEIGHTS AND GROUND PRESSURE 933F

| Shoe width | Operating weight | Ground pressure | Overall width |
|---|---|---|---|
| | 6.2 m (20'4'') boom, 3.05 m (10'0'') arm, 1.4 m³ (1.8 yd³) bucket, 6,700 kg (14,771 lbs) counterweight | | |
| 600 mm (24") | 34,300 kg (75,619 lbs) | 62.7 kPa (9.1 psi) | 3,190 mm (10'5'') |
| 700 mm (28") | 34,700 kg (76,500 lbs) | 54 kPa (7.8 psi) | 3,190 mm (10'5'') |
| 800 mm (32") | 35,100 kg (77,382 lbs) | 48 kPa (7.0 psi) | 3,190 mm (10'5'') |
| 900 mm (35") | 35,500 kg (78,264 lbs) | 43 kPa (6.2 psi) | 3,190 mm (10'5'') |

## MACHINE WEIGHTS AND GROUND PRESSURE 936F

| Shoe width | Operating weight | Ground pressure | Overall width |
|---|---|---|---|
| | 6.4 m (21') boom, 3.2 m (10'6'') arm, 1.8 m³ (2.35 yd³) bucket, 7,700 kg (16,976 lbs) counterweight | | |
| 600 mm (24") | 38,800 kg (85,539 lbs) | 69.7 kPa (10.1 psi) | 3,190 mm (10'5'') |
| 700 mm (28") | 39,200 kg (86,421 lbs) | 60.4 kPa (8.8 psi) | 3,190 mm (10'5'') |
| 800 mm (32") | 39,600 kg (87,303 lbs) | 53.4 kPa (7.7 psi) | 3,190 mm (10'5'') |
| 900 mm (35") | 40,000 kg (88,184 lbs) | 47.9 kPa (6.9 psi) | 3,190 mm (10'5'') |

## MACHINE WEIGHTS AND GROUND PRESSURE 939F

| Shoe width | Operating weight | Ground pressure | Overall width |
|---|---|---|---|
| | 6.4 m (21') boom, 3.2 m (10'6'') arm, 1.8 m³ (2.35 yd³) bucket, 8,500 kg (18,739 lbs) counterweight | | |
| 600 mm (24") | 39,800 kg (87,744 lbs) | 71.5 kPa (10.4 psi) | 3,190 mm (10'5'') |
| 700 mm (28") | 40,200 kg (88,626 lbs) | 61.9 kPa (9.0 psi) | 3,190 mm (10'5'') |
| 800 mm (32") | 40,600 kg (89,508 lbs) | 54.7 kPa (7.9 psi) | 3,190 mm (10'5'') |
| 900 mm (35") | 41,000 kg (90,390 lbs) | 49.1 kPa (7.1 psi) | 3,190 mm (10'5'') |

## MACHINE WEIGHTS AND GROUND PRESSURE 942F

| Shoe width | Operating weight | Ground pressure | Overall width |
|---|---|---|---|
| | 6.4 m (21') boom, 3.2 m (10'6'') arm, 2.1 m³ (2.75 yd³) bucket, 9,000 kg (19,842 lbs) counterweight | | |
| 600 mm (24") | 42,800 kg (94,358 lbs) | 76.3 kPa (11.1 psi) | 3,190 mm (10'5'') |
| 700 mm (28") | 43,200 kg (95,240 lbs) | 66.0 kPa (9.6 psi) | 3,190 mm (10'5'') |
| 800 mm (32") | 43,600 kg (96,122 lbs) | 58.3 kPa (8.5 psi) | 3,190 mm (10'5'') |
| 900 mm (35") | 44,000 kg (97.003 lbs) | 52.3 kPa (7.6 psi) | 3,190 mm (10'5'') |

## ARM DIMENSIONS

| | 930F/933F | | | 936F/939F/942F | |
|---|---|---|---|---|---|
| Arm | 3,050 mm (10'0'') | 2,600 mm (8'6'') | 3,200 mm (10'6'') | 2,900 mm (9'6'') | 2,600 mm (8'6'') |
| Length | 4,224 mm (13'10'') | 3,800 mm (12'6'') | 4,384 mm (14'5'') | 4,166 mm (13'8'') | 3,818 mm (12'6'') |
| Height | 1,016 mm (3'4'') | 4,045 mm (13'3'') | 1,095 mm (3'7'') | 1,107 mm (3'8'') | 1,120 mm (3'8'') |
| Width | 532 mm (1'9'') | 532 mm (1'9'') | 655 mm (2'2'') | 655 mm (2'2'') | 655 mm (2'2'') |
| Weight | **930F** 1,720 kg (3,792 lbs)<br>**933F** 1,834 kg (4,043 lbs) | 1,752 kg (3,862 lbs) | 2,189.5 kg (4,827 lbs) | 2,157 kg (4,755 lbs) | 2,046.5 kg (4,512 lbs) |

Cylinder, linkage and pin included.

## BOOM DIMENSIONS

| | 930F/933F | 936F/939F/942F |
|---|---|---|
| Boom | 6,200 mm (20'4'') | 6,400 mm (21') |
| Length | 6,430 mm (21'1'') | 6,640 mm (21'9'') |
| Height | 1,557 mm (5'1'') | 1,684 mm (5'6'') |
| Width | 942 mm (3'1'') | 973 mm (3'2'') |
| Weight | **930F** 2,839 kg (6,259 lbs) / **933F** 3,034 kg (6,689 lbs) | 3,535.5 kg (7,794 lbs) |

Cylinder, piping and pin included. Boom cylinder pin excluded.

## BUCKET SELECTION GUIDE 930F/933F

| | | | | | 6.2 m (20'4'') Boom | |
|---|---|---|---|---|---|---|
| Bucket type | Capacity | Cutting width | Weight | Teeth pcs | 3.05 m (10'0'') Arm | 2.6 m (8'6'') Arm |
| Earth type | / | / | / | / | / | / |
| General type | 1.4 m³ (1.83 yd³) | 1,445 mm (4'9'') | 1,387 kg (3,058 lbs) | 5 | C&D | / |
| General type | 1.6 m³ (2.09 yd³) | 1,560 mm (5'1'') | 1,487.5 kg (3,279 lbs) | 5 | / | C&D |
| Rock type | / | / | / | / | / | / |

The recommendations are given as a guide only, based on typical operation conditions.
Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

Maximum material density:
A. 1,200-1,300 kg/m³ (2,023-2,191 lb/yd³ ): Coal, Caliche, Shale
B. 1,400-1,600 kg/m³ (2,360-2,697 lb/yd³): Wet earth and clay, limestone, sandstone
C. 1,700-1,800 kg/m³ (2,865-3,034 lb/yd³): Granite, wet sand, well blasted rock
D. 1,900 kg/m³ (3,203 lb/yd³): Wet mud, Iron ore
NA. Not applicable

## BUCKET SELECTION GUIDE 936F

| | | | | | 6.2 m (20'4'') Boom | | |
|---|---|---|---|---|---|---|---|
| Bucket type | Capacity | Cutting width | Weight | Teeth pcs | 3.2 m (10'5'') Arm | 2.9 m (9'6'') Arm | 2.6 m (8'6'') Arm |
| Earth type | / | / | / | / | / | / | / |
| General type | 1.8 m³ (2.35 yd³) | 1,540 mm (5'0'') | 1,667 kg (3,675 lbs) | 5 | B | C | D |
| Rock type | / | / | / | / | / | / | / |

The recommendations are given as a guide only, based on typical operation conditions.
Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

Maximum material density:
A. 1,200-1,300 kg/m³ (2,023-2,191 lb/yd³ ): Coal, Caliche, Shale
B. 1,400-1,600 kg/m³ (2,360-2,697 lb/yd³): Wet earth and clay, limestone, sandstone
C. 1,700-1,800 kg/m³ (2,865-3,034 lb/yd³): Granite, wet sand, well blasted rock
D. 1,900 kg/m³ (3,203 lb/yd³): Wet mud, Iron ore
NA. Not applicable

## BUCKET SELECTION GUIDE 939F/942F

| | | | | | 6.2 m (20'4'') Boom | | |
|---|---|---|---|---|---|---|---|
| Bucket type | Capacity | Cutting width | Weight | Teeth pcs | 3.2 m (10'5'') Arm | 2.9 m (9'6'') Arm | 2.6 m (8'6'') Arm |
| Earth type | / | / | / | / | / | / | / |
| General type | **939F** 2.0 m³ (2.62 yd³)<br>**942F** 2.1 m³ (2.75 yd³) | 1,605 mm (5'3'') | 1,736 kg (3,827 lbs) | 5 | B | C | D |
| Rock type | / | / | / | / | / | / | / |

The recommendations are given as a guide only, based on typical operation conditions.
Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

Maximum material density:
A. 1,200-1,300 kg/m³ (2,023-2,191 lb/yd³ ): Coal, Caliche, Shale
B. 1,400-1,600 kg/m³ (2,360-2,697 lb/yd³): Wet earth and clay, limestone, sandstone
C. 1,700-1,800 kg/m³ (2,865-3,034 lb/yd³): Granite, wet sand, well blasted rock
D. 1,900 kg/m³ (3,203 lb/yd³): Wet mud, Iron ore
NA. Not applicable

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, weight of the bucket or the bucket with quick coupler must be deducted from the lifting capacities.

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

Rating over-front (Cf)

Rating over-side (Cs)

1. Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
2. The rated loads are in compliance with ISO 10567 Hydraulic Excavator Lift Capacity Rating Standard. They do not exceed 87% of hydraulic lifting capacity or 75% tipping load.
3. Ratings at bucket lift hook.
4. Lifting capacities are based on machine standing on level, firm and uniform ground.
5. *Indicates the load is limited by hydraulic capacity rather than tipping capacity.
6. Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine and rules for the safe operation of equipment should be adhered to at all times.

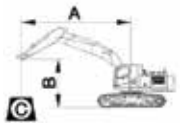
## LIFTING CAPACITY

### 930F with 600 mm (24") Shoes, 6,200 mm (20'4") Boom, 3,050 mm (10'0") Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,200 mm (20'4")
Arm length: 3,050 mm (10'0")
Shoes: 600 mm (24")
Bucket: None
Unit: kg




**A (Unit: m)**

| B (m) | | 1.5 | | 3 | | 4.5 | | 6 | | 7.5 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | | | *6,977 | *6,977 | *6,852 | *6,852 | *6,154 | 6,142 | 8.1 |
| | lb | | | | | | | *15,382 | *15,382 | *15,107 | *15,107 | *13,568 | 13,541 | 27.0 |
| 4.5 (15 ft) | kg | | | | | *9,600 | *9,600 | *8,032 | *8,032 | *7,291 | 6,787 | *6,045 | 5,464 | 8.7 |
| | lb | | | | | *21,164 | *21,164 | *17,708 | *17,708 | *16,075 | 14,962 | *13,326 | 12,046 | 29.0 |
| 3.0 (10 ft) | kg | | | | | *12,491 | *12,491 | *9,402 | 8,928 | *7,980 | 6,602 | *6,197 | 5,130 | 9.0 |
| | lb | | | | | *27,539 | *27,539 | *20,727 | 19,682 | *17,594 | 14,554 | *13,662 | 11,310 | 30.0 |
| 1.5 (5 ft) | kg | | | | | *14,790 | 12,596 | *10,677 | 8,589 | *8,682 | 6,423 | *6,981 | 5,058 | 9.0 |
| | lb | | | | | *32,607 | 27,770 | *23,540 | 18,936 | *19,141 | 14,161 | *15,392 | 11,151 | 30.0 |
| GROUND LEVEL | kg | | | | | *15,796 | 12,320 | *11,514 | 8,377 | *9,186 | 6,299 | *7,505 | 5,157 | 8.8 |
| | lb | | | | | *34,825 | 27,162 | *25,383 | 18,467 | *20,251 | 13,887 | *16,547 | 11,369 | 29.0 |
| -1.5 (-5 ft) | kg | *8,654 | *8,654 | *12,956 | *12,956 | *15,766 | 12,284 | *11,748 | 8,302 | *9,291 | 6,258 | *8,257 | 5,540 | 8.3 |
| | lb | *19,079 | *19,079 | *28,563 | *28,563 | *34,757 | 27,082 | *25,899 | 18,303 | *20,482 | 13,797 | *18,203 | 12,215 | 27.0 |
| -3.0 (-10 ft) | kg | *15,061 | *15,061 | *20,740 | *20,740 | *14,851 | 12,404 | *11,236 | 8,360 | | | *8,582 | 6,344 | 7.5 |
| | lb | *33,203 | *33,203 | *45,724 | *45,724 | *32,741 | 27,347 | *24,772 | 18,430 | | | *18,921 | 13,987 | 25.0 |
| -4.5 (-15 ft) | kg | | | *17,371 | *17,371 | *12,713 | 12,692 | *9,348 | 8,600 | | | *8,879 | 8,262 | 6.2 |
| | lb | | | *38,297 | *38,297 | *28,027 | 27,981 | *20,610 | 18,959 | | | *19,575 | 18,215 | 20.0 |

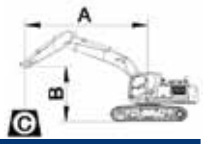
## LIFTING CAPACITY

### 930F with 700 mm (28") Shoes, 6,200 mm (20'4'') Boom, 3,050 mm (10'0'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,200 mm (20'4'')
Arm length: 3,050 mm (10'0'')
Shoes: 700 mm (28")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 1.5 | | 3 | | 4.5 | | 6 | | 7.5 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | | | *6,977 | *6,977 | *6,852 | *6,852 | *6,154 | *6,154 | 8.1 |
| | lb | | | | | | | *15,382 | *15,382 | *15,107 | *15,107 | *13,568 | *13,568 | 27.0 |
| 4.5 (15 ft) | kg | | | | | *9,600 | *9,600 | *8,032 | *8,032 | *7,291 | 6,905 | *6,045 | 5,563 | 8.7 |
| | lb | | | | | *21,164 | *21,164 | *17,708 | *17,708 | *16,075 | 15,223 | *13,326 | 12,264 | 29.0 |
| 3.0 (10 ft) | kg | | | | | *12,491 | *12,491 | *9,402 | 9,083 | *7,980 | 6,720 | *6,197 | 5,225 | 9.0 |
| | lb | | | | | *27,539 | *27,539 | *20,727 | 20,026 | *17,594 | 14,815 | *13,662 | 11,520 | 30.0 |
| 1.5 (5 ft) | kg | | | | | *14,790 | 12,825 | *10,677 | 8,745 | *8,682 | 6,542 | *6,981 | 5,153 | 9.0 |
| | lb | | | | | *32,607 | 28,275 | *23,540 | 19,280 | *19,141 | 14,422 | *15,392 | 11,361 | 30.0 |
| GROUND LEVEL | kg | | | | | *15,796 | 12,549 | *11,514 | 8,532 | *9,186 | 6,417 | *7,505 | 5,255 | 8.8 |
| | lb | | | | | *34,825 | 27,666 | *25,383 | 18,811 | *20,251 | 14,147 | *16,547 | 11,585 | 29.0 |
| -1.5 (-5 ft) | kg | *8,654 | *8,654 | *12,956 | *12,956 | *15,766 | 12,513 | *11,748 | 8,458 | *9,291 | 6,376 | *8,257 | 5,645 | 8.3 |
| | lb | *19,079 | *19,079 | *28,563 | *28,563 | *34,757 | 27,587 | *25,899 | 18,647 | *20,482 | 14,057 | *18,203 | 12,445 | 27.0 |
| -3.0 (-10 ft) | kg | *15,061 | *15,061 | *20,740 | *20,740 | *14,851 | 12,633 | *11,236 | 8,515 | | | *8,582 | 6,463 | 7.5 |
| | lb | *33,203 | *33,203 | *45,724 | *45,724 | *32,741 | 27,851 | *24,772 | 18,773 | | | *18,921 | 14,248 | 25.0 |
| -4.5 (-15 ft) | kg | | | *17,371 | *17,371 | *12,713 | *12,713 | *9,348 | 8,756 | | | *8,879 | 8,412 | 6.2 |
| | lb | | | *38,297 | *38,297 | *28,027 | *28,027 | *20,610 | 19,303 | | | *19,575 | 18,544 | 20.0 |

## LIFTING CAPACITY

### 930F with 600 mm (24") Shoes, 6,200 mm (20'4'') Boom, 2,600 mm (8'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,200 mm (20'4'')
Arm length: 2,600 mm (8'6'')
Shoes: 600 mm (24")
Bucket: None
Unit: kg

| B (m) | | A (Unit: m) 3 | | 4.5 | | 6 | | 7.5 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | *7,558 | *7,558 | *7,388 | 6,842 | *7,407 | 6,702 | 7.6 |
| | lb | | | | | *16,661 | *16,661 | *16,289 | 15,084 | *16,330 | 14,775 | 25.0 |
| 4.5 (15 ft) | kg | | | *10,492 | *10,492 | *8,557 | *8,557 | *7,700 | 6,737 | *7,551 | 5,920 | 8.2 |
| | lb | | | *23,131 | *23,131 | *18,864 | *18,864 | *16,976 | 14,852 | *16,646 | 13,052 | 27.0 |
| 3.0 (10 ft) | kg | | | *13,310 | 12,974 | *9,844 | 8,829 | *8,307 | 6,562 | *7,277 | 5,446 | 8.6 |
| | lb | | | *29,343 | 28,604 | *21,703 | 19,465 | *18,314 | 14,467 | *16,044 | 12,007 | 28.0 |
| 1.5 (5 ft) | kg | | | *15,261 | 12,404 | *10,985 | 8,511 | *8,916 | 6,398 | *8,031 | 5,369 | 8.6 |
| | lb | | | *33,645 | 27,345 | *24,218 | 18,763 | *19,657 | 14,106 | *17,706 | 11,836 | 28.0 |
| GROUND LEVEL | kg | | | *15,836 | 12,229 | *11,644 | 8,333 | *9,299 | 6,296 | *8,319 | 5,485 | 8.4 |
| | lb | | | *34,912 | 26,959 | *25,671 | 18,371 | *20,501 | 13,881 | *18,341 | 12,093 | 28.0 |
| -1.5 (-5 ft) | kg | *13,578 | *13,578 | *15,485 | 12,261 | *11,677 | 8,299 | *9,212 | 6,292 | *8,777 | 6,012 | 7.8 |
| | lb | *29,934 | *29,934 | *34,139 | 27,031 | *25,743 | 18,297 | *20,308 | 13,872 | *19,350 | 13,254 | 26.0 |
| -3.0 (-10 ft) | kg | *19,284 | *19,284 | *14,277 | 12,439 | *10,883 | 8,410 | | | *9,182 | 7,088 | 6.9 |
| | lb | *42,515 | *42,515 | *31,475 | 27,424 | *23,992 | 18,540 | | | *20,243 | 15,626 | 23.0 |
| -4.5 (-15 ft) | kg | *15,525 | *15,525 | *11,627 | *11,627 | | | | | *9,318 | *9,318 | 5.5 |
| | lb | *34,226 | *34,226 | *25,634 | *25,634 | | | | | *20,543 | *20,543 | 18.0 |

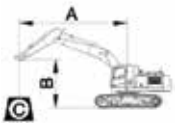
## LIFTING CAPACITY

### 930F with 700 (28") mm Shoes, 6,200 mm (20'4'') Boom, 2,600 mm (8'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,200 mm (20'4'')
Arm length: 2,600 mm (8'6'')
Shoes: 700 mm (28")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 3 | | 4.5 | | 6 | | 7.5 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | *7,558 | *7,558 | *7,388 | 6,960 | *7,407 | 6,818 | 7.6 |
| | lb | | | | | *16,661 | *16,661 | *16,289 | 15,344 | *16,330 | 15,032 | 25.0 |
| 4.5 (15 ft) | kg | | | *10,492 | *10,492 | *8,557 | *8,557 | *7,700 | 6,855 | *7,551 | 6,027 | 8.2 |
| | lb | | | *23,131 | *23,131 | *18,864 | *18,864 | *16,976 | 15,113 | *16,646 | 13,286 | 27.0 |
| 3.0 (10 ft) | kg | | | *13,310 | 13,203 | *9,844 | 8,985 | *8,307 | 6,680 | *7,277 | 5,547 | 8.6 |
| | lb | | | *29,343 | 29,108 | *21,703 | 19,809 | *18,314 | 14,728 | *16,044 | 12,228 | 28.0 |
| 1.5 (5 ft) | kg | | | *15,261 | 12,633 | *10,985 | 8,667 | *8,916 | 6,516 | *8,031 | 5,469 | 8.6 |
| | lb | | | *33,645 | 27,850 | *24,218 | 19,107 | *19,657 | 14,366 | *17,706 | 12,057 | 28.0 |
| GROUND LEVEL | kg | | | *15,836 | 12,457 | *11,644 | 8,489 | *9,299 | 6,414 | *8,319 | 5,589 | 8.4 |
| | lb | | | *34,912 | 27,464 | *25,671 | 18,714 | *20,501 | 14,141 | *18,341 | 12,321 | 28.0 |
| -1.5 (-5 ft) | kg | *13,578 | *13,578 | *15,485 | 12,490 | *11,677 | 8,455 | *9,212 | 6,410 | *8,777 | 6,125 | 7.8 |
| | lb | *29,934 | *29,934 | *34,139 | 27,535 | *25,743 | 18,640 | *20,308 | 14,132 | *19,350 | 13,503 | 26.0 |
| -3.0 (-10 ft) | kg | *19,284 | *19,284 | *14,277 | 12,668 | *10,883 | 8,566 | | | *9,182 | 7,219 | 6.9 |
| | lb | *42,515 | *42,515 | *31,475 | 27,929 | *23,992 | 18,884 | | | *20,243 | 15,914 | 23.0 |
| -4.5 (-15 ft) | kg | *15,525 | *15,525 | *11,627 | *11,627 | | | | | *9,318 | *9,318 | 5.5 |
| | lb | *34,226 | *34,226 | *25,634 | *25,634 | | | | | *20,543 | *20,543 | 18.0 |

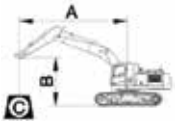
## LIFTING CAPACITY

### 933F with 600 mm (24") Shoes, 6,200 mm (20'4'') Boom, 3,050 mm (10'0'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,200 mm (20'4'')
Arm length: 3,050 mm (10'0'')
Shoes: 600 mm (24")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 1.5 | | 3 | | 4.5 | | 6 | | 7.5 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | | | *6,977 | *6,977 | *6,852 | *6,852 | *6,154 | *6,154 | 8.1 |
| | lb | | | | | | | *15,382 | *15,382 | *15,107 | *15,107 | *13,568 | *13,568 | 27.0 |
| 4.5 (15 ft) | kg | | | | | *9,600 | *9,600 | *8,032 | *8,032 | *7,291 | 7,230 | *6,045 | 5,835 | 8.7 |
| | lb | | | | | *21,164 | *21,164 | *17,708 | *17,708 | *16,075 | 15,939 | *13,326 | 12,864 | 29.0 |
| 3.0 (10 ft) | kg | | | | | *12,491 | *12,491 | *9,402 | *9,402 | *7,980 | 7,045 | *6,197 | 5,487 | 9.0 |
| | lb | | | | | *27,539 | *27,539 | *20,727 | *20,727 | *17,594 | 15,532 | *13,662 | 12,097 | 30.0 |
| 1.5 (5 ft) | kg | | | | | *14,790 | 13,455 | *10,677 | 9,174 | *8,682 | 6,867 | *6,981 | 5,415 | 9.0 |
| | lb | | | | | *32,607 | 29,662 | *23,540 | 20,225 | *19,141 | 15,139 | *15,392 | 11,938 | 30.0 |
| GROUND LEVEL | kg | | | | | *15,796 | 13,179 | *11,514 | 8,961 | *9,186 | 6,742 | *7,505 | 5,523 | 8.8 |
| | lb | | | | | *34,825 | 29,054 | *25,383 | 19,756 | *20,251 | 14,864 | *16,547 | 12,177 | 29.0 |
| -1.5 (-5 ft) | kg | *8,654 | *8,654 | *12,956 | *12,956 | *15,766 | 13,143 | *11,748 | 8,887 | *9,291 | 6,701 | *8,257 | 5,933 | 8.3 |
| | lb | *19,079 | *19,079 | *28,563 | *28,563 | *34,757 | 28,974 | *25,899 | 19,592 | *20,482 | 14,774 | *18,203 | 13,080 | 27.0 |
| -3.0 (-10 ft) | kg | *15,061 | *15,061 | *20,740 | *20,740 | *14,851 | 13,262 | *11,236 | 8,944 | | | *8,582 | 6,788 | 7.5 |
| | lb | *33,203 | *33,203 | *45,724 | *45,724 | *32,741 | 29,239 | *24,772 | 19,718 | | | *18,921 | 14,964 | 25.0 |
| -4.5 (-15 ft) | kg | | | *17,371 | *17,371 | *12,713 | *12,713 | *9,348 | 9,184 | | | *8,879 | 8,823 | 6.2 |
| | lb | | | *38,297 | *38,297 | *28,027 | *28,027 | *20,610 | 20,248 | | | *19,575 | 19,451 | 20.0 |

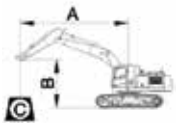
## LIFTING CAPACITY

### 933F with 700 mm (28") Shoes, 6,200 mm (20'4'') Boom, 3,050 mm (10'0'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,200 mm (20'4'')
Arm length: 3,050 mm (10'0'')
Shoes: 700 mm (28")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 1.5 Cf | 1.5 Cs | 3 Cf | 3 Cs | 4.5 Cf | 4.5 Cs | 6 Cf | 6 Cs | 7.5 Cf | 7.5 Cs | MAX REACH Cf | MAX REACH Cs | MAX REACH A (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.0 (20 ft) | kg | | | | | | | *6,977 | *6,977 | *6,852 | *6,852 | *6,154 | *6,154 | 8.1 |
| | lb | | | | | | | *15,382 | *15,382 | *15,107 | *15,107 | *13,568 | *13,568 | 27.0 |
| 4.5 (15 ft) | kg | | | | | *9,600 | *9,600 | *8,032 | *8,032 | *7,291 | *7,291 | *6,045 | 5,934 | 8.7 |
| | lb | | | | | *21,164 | *21,164 | *17,708 | *17,708 | *16,075 | *16,075 | *13,326 | 13,083 | 29.0 |
| 3.0 (10 ft) | kg | | | | | *12,491 | *12,491 | *9,402 | *9,402 | *7,980 | 7,163 | *6,197 | 5,582 | 9.0 |
| | lb | | | | | *27,539 | *27,539 | *20,727 | *20,727 | *17,594 | 15,792 | *13,662 | 12,307 | 30.0 |
| 1.5 (5 ft) | kg | | | | | *14,790 | 13,683 | *10,677 | 9,330 | *8,682 | 6,985 | *6,981 | 5,510 | 9.0 |
| | lb | | | | | *32,607 | 30,167 | *23,540 | 20,569 | *19,141 | 15,399 | *15,392 | 12,148 | 30.0 |
| GROUND LEVEL | kg | | | | | *15,796 | 13,407 | *11,514 | 9,117 | *9,186 | 6,860 | *7,505 | 5,621 | 8.8 |
| | lb | | | | | *34,825 | 29,558 | *25,383 | 20,100 | *20,251 | 15,125 | *16,547 | 12,393 | 29.0 |
| -1.5 (-5 ft) | kg | *8,654 | *8,654 | *12,956 | *12,956 | *15,766 | 13,371 | *11,748 | 9,043 | *9,291 | 6,820 | *8,257 | 6,038 | 8.3 |
| | lb | *19,079 | *19,079 | *28,563 | *28,563 | *34,757 | 29,479 | *25,899 | 19,936 | *20,482 | 15,034 | *18,203 | 13,311 | 27.0 |
| -3.0 (-10 ft) | kg | *15,061 | *15,061 | *20,740 | *20,740 | *14,851 | 13,491 | *11,236 | 9,100 | | | *8,582 | 6,906 | 7.5 |
| | lb | *33,203 | *33,203 | *45,724 | *45,724 | *32,741 | 29,743 | *24,772 | 20,062 | | | *18,921 | 15,225 | 25.0 |
| -4.5 (-15 ft) | kg | | | *17,371 | *17,371 | *12,713 | *12,713 | *9,348 | 9,340 | | | *8,879 | *8,879 | 6.2 |
| | lb | | | *38,297 | *38,297 | *28,027 | *28,027 | *20,610 | 20,592 | | | *19,575 | *19,575 | 20.0 |

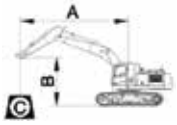
## LIFTING CAPACITY

### 933F with 600 mm (24") Shoes, 6,200 mm (20'4'') Boom, 2,600 mm (8'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,200 mm (20'4'')
Arm length: 2,600 mm (8'6'')
Shoes: 600 mm (24")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 3 Cf | 3 Cs | 4.5 Cf | 4.5 Cs | 6 Cf | 6 Cs | 7.5 Cf | 7.5 Cs | MAX REACH Cf | MAX REACH Cs | MAX REACH A (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.0 (20 ft) | kg | | | | | *7,558 | *7,558 | *7,388 | 7,285 | *7,407 | 7,138 | 7.6 |
| | lb | | | | | *16,661 | *16,661 | *16,289 | 16,061 | *16,330 | 15,737 | 25.0 |
| 4.5 (15 ft) | kg | | | *10,492 | *10,492 | *8,557 | *8,557 | *7,700 | 7,180 | *7,551 | 6,319 | 8.2 |
| | lb | | | *23,131 | *23,131 | *18,864 | *18,864 | *16,976 | 15,829 | *16,646 | 13,930 | 27.0 |
| 3.0 (10 ft) | kg | | | *13,310 | *13,310 | *9,844 | 9,414 | *8,307 | 7,006 | *7,277 | 5,823 | 8.6 |
| | lb | | | *29,343 | *29,343 | *21,703 | 20,754 | *18,314 | 15,445 | *16,044 | 12,837 | 28.0 |
| 1.5 (5 ft) | kg | | | *15,261 | 13,262 | *10,985 | 9,095 | *8,916 | 6,842 | *8,031 | 5,745 | 8.6 |
| | lb | | | *33,645 | 29,238 | *24,218 | 20,052 | *19,657 | 15,083 | *17,706 | 12,666 | 28.0 |
| GROUND LEVEL | kg | | | *15,836 | 13,087 | *11,644 | 8,917 | *9,299 | 6,740 | *8,319 | 5,872 | 8.4 |
| | lb | | | *34,912 | 28,851 | *25,671 | 19,659 | *20,501 | 14,858 | *18,341 | 12,947 | 28.0 |
| -1.5 (-5 ft) | kg | *13,578 | *13,578 | *15,485 | 13,119 | *11,677 | 8,884 | *9,212 | 6,735 | *8,777 | 6,435 | 7.8 |
| | lb | *29,934 | *29,934 | *34,139 | 28,923 | *25,743 | 19,585 | *20,308 | 14,849 | *19,350 | 14,186 | 26.0 |
| -3.0 (-10 ft) | kg | *19,284 | *19,284 | *14,277 | 13,298 | *10,883 | 8,994 | | | *9,182 | 7,579 | 6.9 |
| | lb | *42,515 | *42,515 | *31,475 | 29,316 | *23,992 | 19,829 | | | *20,243 | 16,708 | 23.0 |
| -4.5 (-15 ft) | kg | *15,525 | *15,525 | *11,627 | *11,627 | | | | | *9,318 | *9,318 | 5.5 |
| | lb | *34,226 | *34,226 | *25,634 | *25,634 | | | | | *20,543 | *20,543 | 18.0 |

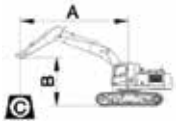
## LIFTING CAPACITY

### 933F with 700 mm (28") Shoes, 6,200 mm (20'4'') Boom, 2,600 (8'6'') mm Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,200 mm (20'4'')
Arm length: 2,600 mm (8'6'')
Shoes: 700 mm (28")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 3 | | 4.5 | | 6 | | 7.5 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | *7,558 | *7,558 | *7,388 | *7,388 | *7,407 | 7,254 | 7.6 |
| | lb | | | | | *16,661 | *16,661 | *16,289 | *16,289 | *16,330 | 15,993 | 25.0 |
| 4.5 (15 ft) | kg | | | *10,492 | *10,492 | *8,557 | *8,557 | *7,700 | 7,298 | *7,551 | 6,425 | 8.2 |
| | lb | | | *23,131 | *23,131 | *18,864 | *18,864 | *16,976 | 16,090 | *16,646 | 14,164 | 27.0 |
| 3.0 (10 ft) | kg | | | *13,310 | *13,310 | *9,844 | 9,570 | *8,307 | 7,124 | *7,277 | 5,923 | 8.6 |
| | lb | | | *29,343 | *29,343 | *21,703 | 21,098 | *18,314 | 15,705 | *16,044 | 13,058 | 28.0 |
| 1.5 (5 ft) | kg | | | *15,261 | 13,491 | *10,985 | 9,251 | *8,916 | 6,960 | *8,031 | 5,846 | 8.6 |
| | lb | | | *33,645 | 29,742 | *24,218 | 20,396 | *19,657 | 15,344 | *17,706 | 12,887 | 28.0 |
| GROUND LEVEL | kg | | | *15,836 | 13,316 | *11,644 | 9,073 | *9,299 | 6,858 | *8,319 | 5,976 | 8.4 |
| | lb | | | *34,912 | 29,356 | *25,671 | 20,003 | *20,501 | 15,119 | *18,341 | 13,174 | 28.0 |
| -1.5 (-5 ft) | kg | *13,578 | *13,578 | *15,485 | 13,348 | *11,677 | 9,040 | *9,212 | 6,854 | *8,777 | 6,548 | 7.8 |
| | lb | *29,934 | *29,934 | *34,139 | 29,427 | *25,743 | 19,929 | *20,308 | 15,110 | *19,350 | 14,435 | 26.0 |
| -3.0 (-10 ft) | kg | *19,284 | *19,284 | *14,277 | 13,526 | *10,883 | 9,150 | | | *9,182 | 7,709 | 6.9 |
| | lb | *42,515 | *42,515 | *31,475 | 29,821 | *23,992 | 20,173 | | | *20,243 | 16,996 | 23.0 |
| -4.5 (-15 ft) | kg | *15,525 | *15,525 | *11,627 | *11,627 | | | | | *9,318 | *9,318 | 5.5 |
| | lb | *34,226 | *34,226 | *25,634 | *25,634 | | | | | *20,543 | *20,543 | 18.0 |

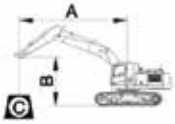
## LIFTING CAPACITY

### 936F with 600 mm (24") Shoes, 6,400 mm (21') Boom, 3,200 mm (10'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,400 mm (21')
Arm length: 3,200 mm (10'6'')
Shoes: 600 mm (24")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 3 | | 4.5 | | 6 | | 7.5 | | 9 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | | | *8,170 | 6,832 | | | *7,295 | 5,565 | 8.5 |
| | lb | | | | | | | *18,012 | 15,061 | | | *16,082 | 12,269 | 28.0 |
| 4.5 (15 ft) | kg | | | | | *9,921 | 9,196 | *8,711 | 6,626 | *7,866 | 5,001 | *6,900 | 4,910 | 9.1 |
| | lb | | | | | *21,871 | 20,273 | *19,204 | 14,608 | *17,343 | 11,025 | *15,212 | 10,824 | 30.0 |
| 3.0 (10 ft) | kg | | | *15,350 | 12,859 | *11,374 | 8,662 | *9,449 | 6,359 | 8,297 | 4,891 | 7,894 | 4,655 | 9.3 |
| | lb | | | *33,841 | 28,349 | *25,076 | 19,095 | *20,831 | 14,019 | 18,292 | 10,784 | 17,403 | 10,262 | 31.0 |
| 1.5 (5 ft) | kg | | | *17,566 | 11,989 | *12,641 | 8,197 | *10,145 | 6,106 | 8,162 | 4,770 | 7,668 | 4,491 | 9.4 |
| | lb | | | *38,727 | 26,431 | *27,869 | 18,071 | *22,365 | 13,462 | 17,995 | 10,517 | 16,906 | 9,901 | 31.0 |
| GROUND LEVEL | kg | | | *18,247 | 11,632 | *13,353 | 7,906 | 10,421 | 5,927 | 8,072 | 4,689 | 7,836 | 4,562 | 9.2 |
| | lb | | | *40,228 | 25,644 | *29,438 | 17,429 | 22,975 | 13,067 | 17,796 | 10,338 | 17,275 | 10,057 | 30.0 |
| -1.5 (-5 ft) | kg | *15,064 | *15,064 | *17,779 | 11,584 | *13,353 | 7,797 | 10,338 | 5,855 | | | 8,445 | 4,886 | 8.7 |
| | lb | *33,210 | *33,210 | *39,197 | 25,538 | *29,438 | 17,190 | 22,792 | 12,908 | | | 18,619 | 10,773 | 29.0 |
| -3.0 (-10 ft) | kg | *22,032 | *22,032 | *16,332 | 11,727 | *12,505 | 7,853 | *9,673 | 5,921 | | | *8,909 | 5,578 | 7.9 |
| | lb | *48,573 | *48,573 | *36,005 | 25,854 | *27,569 | 17,312 | *21,326 | 13,054 | | | *19,641 | 12,297 | 26.0 |
| -4.5 (-15 ft) | kg | *17,734 | *17,734 | *13,554 | 12,064 | *10,284 | 8,103 | | | | | *8,699 | 7,077 | 6.7 |
| | lb | *39,098 | *39,098 | *29,882 | 26,596 | *22,673 | 17,864 | | | | | *19,177 | 15,602 | 22.0 |

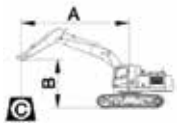
## LIFTING CAPACITY

### 936F with 700 mm (28") Shoes, 6,400 mm (21') Boom, 3,200 mm (10'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,400 mm (21')
Arm length: 3,200 mm (10'6'')
Shoes: 700 mm (28")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 3 | | 4.5 | | 6 | | 7.5 | | 9 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | | | *8,170 | 6,940 | | | *7,295 | 5,658 | 8.5 |
| | lb | | | | | | | *18,012 | 15,299 | | | *16,082 | 12,473 | 28.0 |
| 4.5 (15 ft) | kg | | | | | *9,921 | 9,338 | *8,711 | 6,734 | *7,866 | 5,088 | *6,900 | 4,995 | 9.1 |
| | lb | | | | | *21,871 | 20,586 | *19,204 | 14,846 | *17,343 | 11,217 | *15,212 | 11,013 | 30.0 |
| 3.0 (10 ft) | kg | | | *15,350 | 13,067 | *11,374 | 8,804 | *9,449 | 6,467 | *8,377 | 4,978 | 8,018 | 4,739 | 9.3 |
| | lb | | | *33,841 | 28,809 | *25,076 | 19,409 | *20,831 | 14,256 | *18,467 | 10,975 | 17,678 | 10,447 | 31.0 |
| 1.5 (5 ft) | kg | | | *17,566 | 12,198 | *12,641 | 8,339 | *10,145 | 6,214 | 8,292 | 4,857 | *7,724 | 4,573 | 9.4 |
| | lb | | | *38,727 | 26,891 | *27,869 | 18,385 | *22,365 | 13,699 | 18,281 | 10,708 | *17,029 | 10,083 | 31.0 |
| GROUND LEVEL | kg | | | *18,247 | 11,841 | *13,353 | 8,048 | *10,575 | 6,035 | 8,202 | 4,776 | 7,962 | 4,646 | 9.2 |
| | lb | | | *40,228 | 26,104 | *29,438 | 17,743 | *23,313 | 13,305 | 18,083 | 10,530 | 17,553 | 10,243 | 30.0 |
| -1.5 (-5 ft) | kg | *15,064 | *15,064 | *17,779 | 11,793 | *13,353 | 7,939 | 10,504 | 5,963 | | | 8,581 | 4,977 | 8.7 |
| | lb | *33,210 | *33,210 | *39,197 | 25,999 | *29,438 | 17,503 | 23,158 | 13,145 | | | 18,919 | 10,972 | 29.0 |
| -3.0 (-10 ft) | kg | *22,032 | *22,032 | *16,332 | 11,936 | *12,505 | 7,995 | *9,673 | 6,029 | | | *8,909 | 5,679 | 7.9 |
| | lb | *48,573 | *48,573 | *36,005 | 26,314 | *27,569 | 17,626 | *21,326 | 13,291 | | | *19,641 | 12,520 | 26.0 |
| -4.5 (-15 ft) | kg | *17,734 | *17,734 | *13,554 | 12,272 | *10,284 | 8,245 | | | | | *8,699 | 7,201 | 6.7 |
| | lb | *39,098 | *39,098 | *29,882 | 27,056 | *22,673 | 18,177 | | | | | *19,177 | 15,875 | 22.0 |

## LIFTING CAPACITY

### 936F with 600 mm (24") Shoes, 6,400 mm (21') Boom, 2,900 mm (9'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,400 mm (21')
Arm length: 2,900 mm (9'6'')
Shoes: 600 mm (24")
Bucket: None
Unit: kg

| B (m) | | A (Unit: m) 3 | | 4.5 | | 6 | | 7.5 | | 9 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | | | *8,501 | 6,777 | | | *8,156 | 5,853 | 8.2 |
| | lb | | | | | | | *18,740 | 14,940 | | | *17,981 | 12,904 | 27.0 |
| 4.5 (15 ft) | kg | | | *12,911 | *12,911 | *10,290 | 9,103 | *8,982 | 6,581 | | | *7,922 | 5,147 | 8.8 |
| | lb | | | *28,464 | *28,464 | *22,686 | 20,070 | *19,802 | 14,508 | | | *17,465 | 11,348 | 29.0 |
| 3.0 (10 ft) | kg | | | *15,911 | 12,609 | *11,677 | 8,568 | *9,664 | 6,319 | 8,275 | 4,872 | *8,051 | 4,791 | 9.1 |
| | lb | | | *35,077 | 27,797 | *25,743 | 18,889 | *21,306 | 13,931 | 18,243 | 10,740 | *17,748 | 10,563 | 30.0 |
| 1.5 (5 ft) | kg | | | *17,828 | 11,811 | *12,833 | 8,121 | *10,290 | 6,077 | 8,159 | 4,767 | 8,032 | 4,696 | 9.1 |
| | lb | | | *39,304 | 26,040 | *28,292 | 17,903 | *22,685 | 13,398 | 17,987 | 10,510 | 17,708 | 10,354 | 30.0 |
| GROUND LEVEL | kg | | | *18,167 | 11,546 | *13,403 | 7,860 | 10,408 | 5,916 | | | 8,217 | 4,775 | 8.9 |
| | lb | | | *40,052 | 25,454 | *29,548 | 17,329 | 22,947 | 13,042 | | | 18,115 | 10,527 | 29.0 |
| -1.5 (-5 ft) | kg | *15,508 | *15,508 | *17,457 | 11,557 | *13,246 | 7,786 | 10,355 | 5,869 | | | 8,890 | 5,132 | 8.4 |
| | lb | *34,188 | *34,188 | *38,487 | 25,479 | *29,203 | 17,165 | 22,829 | 12,940 | | | 19,599 | 11,315 | 28.0 |
| -3.0 (-10 ft) | kg | *20,689 | *20,689 | *15,796 | 11,747 | *12,199 | 7,881 | | | | | *9,285 | 5,987 | 7.5 |
| | lb | *45,612 | *45,612 | *34,823 | 25,898 | *26,895 | 17,374 | | | | | *20,471 | 13,199 | 25.0 |
| -4.5 (-15 ft) | kg | *16,171 | *16,171 | *12,694 | 12,145 | *9,507 | 8,206 | | | | | *8,760 | 7,740 | 6.3 |
| | lb | *35,650 | *35,650 | *27,984 | 26,776 | *20,960 | 18,092 | | | | | *19,313 | 17,064 | 21.0 |

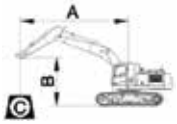
## LIFTING CAPACITY

### 936F with 700 mm (28") Shoes, 6,400 mm (21') Boom, 2,900 (9'6'') mm Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,400 mm (21')
Arm length: 2,900 mm (9'6'')
Shoes: 700 mm (28")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 3 | | 4.5 | | 6 | | 7.5 | | 9 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | | | *8,501 | 6,885 | | | *8,156 | 5,950 | 8.2 |
| | lb | | | | | | | *18,740 | 15,178 | | | *17,981 | 13,118 | 27.0 |
| 4.5 (15 ft) | kg | | | *12,911 | *12,911 | *10,290 | 9,246 | *8,982 | 6,688 | | | *7,922 | 5,236 | 8.8 |
| | lb | | | *28,464 | *28,464 | *22,686 | 20,383 | *19,802 | 14,745 | | | *17,465 | 11,544 | 29.0 |
| 3.0 (10 ft) | kg | | | *15,911 | 12,817 | *11,677 | 8,710 | *9,664 | 6,427 | 8,405 | 4,959 | *8,051 | 4,877 | 9.1 |
| | lb | | | *35,077 | 28,258 | *25,743 | 19,203 | *21,306 | 14,169 | 18,530 | 10,932 | *17,748 | 10,752 | 30.0 |
| 1.5 (5 ft) | kg | | | *17,828 | 12,020 | *12,833 | 8,263 | *10,290 | 6,185 | 8,289 | 4,854 | 8,160 | 4,782 | 9.1 |
| | lb | | | *39,304 | 26,500 | *28,292 | 18,217 | *22,685 | 13,636 | 18,274 | 10,702 | 17,990 | 10,543 | 30.0 |
| GROUND LEVEL | kg | | | *18,167 | 11,754 | *13,403 | 8,002 | 10,574 | 6,024 | | | 8,349 | 4,863 | 8.9 |
| | lb | | | *40,052 | 25,914 | *29,548 | 17,642 | 23,313 | 13,280 | | | 18,406 | 10,721 | 29.0 |
| -1.5 (-5 ft) | kg | *15,508 | *15,508 | *17,457 | 11,766 | *13,246 | 7,928 | *10,454 | 5,977 | | | 9,032 | 5,226 | 8.4 |
| | lb | *34,188 | *34,188 | *38,487 | 25,940 | *29,203 | 17,478 | *23,048 | 13,178 | | | 19,913 | 11,522 | 28.0 |
| -3.0 (-10 ft) | kg | *20,689 | *20,689 | *15,796 | 11,956 | *12,199 | 8,023 | | | | | *9,285 | 6,095 | 7.5 |
| | lb | *45,612 | *45,612 | *34,823 | 26,358 | *26,895 | 17,688 | | | | | *20,471 | 13,437 | 25.0 |
| -4.5 (-15 ft) | kg | *16,171 | *16,171 | *12,694 | 12,354 | *9,507 | 8,348 | | | | | *8,760 | 7,874 | 6.3 |
| | lb | *35,650 | *35,650 | *27,984 | 27,236 | *20,960 | 18,405 | | | | | *19,313 | 17,359 | 21.0 |

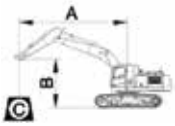
## LIFTING CAPACITY

### 936F with 600 mm (24") Shoes, 6,400 mm (21') Boom, 2,600 mm (8'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,400 mm (21')
Arm length: 2,600 mm (8'6'')
Shoes: 600 mm (24")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 3 | | 4.5 | | 6 | | 7.5 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | *9,545 | 9,480 | *8,842 | 6,721 | *8,789 | 6,168 | 7.9 |
| | lb | | | | | *21,042 | 20,900 | *19,494 | 14,817 | *19,377 | 13,598 | 26.0 |
| 4.5 (15 ft) | kg | | | *13,533 | *13,533 | *10,644 | 9,013 | *9,249 | 6,539 | *8,775 | 5,404 | 8.5 |
| | lb | | | *29,835 | *29,835 | *23,465 | 19,871 | *20,391 | 14,416 | *19,347 | 11,915 | 28.0 |
| 3.0 (10 ft) | kg | | | *16,443 | 12,340 | *11,956 | 8,476 | *9,869 | 6,284 | 8,541 | 5,020 | 8.8 |
| | lb | | | *36,252 | 27,205 | *26,359 | 18,686 | *21,758 | 13,855 | 18,830 | 11,067 | 29.0 |
| 1.5 (5 ft) | kg | | | *18,007 | 11,634 | *12,995 | 8,047 | *10,420 | 6,054 | 8,427 | 4,917 | 8.8 |
| | lb | | | *39,699 | 25,649 | *28,650 | 17,740 | *22,973 | 13,347 | 18,578 | 10,840 | 29.0 |
| GROUND LEVEL | kg | | | *17,988 | 11,468 | *13,419 | 7,818 | 10,404 | 5,912 | 8,632 | 5,004 | 8.6 |
| | lb | | | *39,656 | 25,283 | *29,585 | 17,236 | 22,937 | 13,034 | 19,030 | 11,033 | 28.0 |
| -1.5 (-5 ft) | kg | *15,854 | *15,854 | *17,057 | 11,537 | *13,103 | 7,780 | *10,338 | 5,896 | *9,336 | 5,400 | 8.1 |
| | lb | *34,953 | *34,953 | *37,605 | 25,434 | *28,888 | 17,153 | *22,792 | 12,999 | *20,582 | 11,905 | 27.0 |
| -3.0 (-10 ft) | kg | *19,213 | *19,213 | *15,194 | 11,775 | *11,840 | 7,920 | | | *9,429 | 6,354 | 7.2 |
| | lb | *42,357 | *42,357 | *33,497 | 25,958 | *26,104 | 17,461 | | | *20,787 | 14,009 | 24.0 |
| -4.5 (-15 ft) | kg | | | *11,732 | *11,732 | | | | | *8,979 | 8,702 | 5.8 |
| | lb | | | *25,865 | *25,865 | | | | | *19,796 | 19,185 | 19.0 |

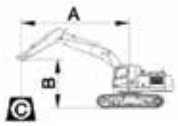
## LIFTING CAPACITY

### 936F with 700 mm (28") Shoes, 6,400 mm (21') Boom, 2,600 mm (8'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

**Conditions**

Boom length: 6,400 mm (21')
Arm length: 2,600 mm (8'6'')
Shoes: 700 mm (28")
Bucket: None
Unit: kg




**A (Unit: m)**

| B (m) | | 3 | | 4.5 | | 6 | | 7.5 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | *9,545 | *9,545 | *8,842 | 6,829 | *8,789 | 6,269 | 7.9 |
| | lb | | | | | *21,042 | *21,042 | *19,494 | 15,055 | *19,377 | 13,821 | 26.0 |
| 4.5 (15 ft) | kg | | | *13,533 | *13,533 | *10,644 | 9,156 | *9,249 | 6,647 | *8,775 | 5,497 | 8.5 |
| | lb | | | *29,835 | *29,835 | *23,465 | 20,185 | *20,391 | 14,654 | *19,347 | 12,119 | 28.0 |
| 3.0 (10 ft) | kg | | | *16,443 | 12,549 | *11,956 | 8,618 | *9,869 | 6,392 | 8,675 | 5,109 | 8.8 |
| | lb | | | *36,252 | 27,665 | *26,359 | 18,999 | *21,758 | 14,092 | 19,126 | 11,263 | 29.0 |
| 1.5 (5 ft) | kg | | | *18,007 | 11,843 | *12,995 | 8,189 | *10,420 | 6,162 | 8,561 | 5,006 | 8.8 |
| | lb | | | *39,699 | 26,109 | *28,650 | 18,054 | *22,973 | 13,585 | 18,873 | 11,037 | 29.0 |
| GROUND LEVEL | kg | | | *17,988 | 11,677 | *13,419 | 7,960 | 10,570 | 6,020 | 8,770 | 5,096 | 8.6 |
| | lb | | | *39,656 | 25,743 | *29,585 | 17,550 | 23,303 | 13,272 | 19,335 | 11,235 | 28.0 |
| -1.5 (-5 ft) | kg | *15,854 | *15,854 | *17,057 | 11,746 | *13,103 | 7,922 | *10,338 | 6,004 | *9,336 | 5,498 | 8.1 |
| | lb | *34,953 | *34,953 | *37,605 | 25,894 | *28,888 | 17,466 | *22,792 | 13,236 | *20,582 | 12,122 | 27.0 |
| -3.0 (-10 ft) | kg | *19,213 | *19,213 | *15,194 | 11,983 | *11,840 | 8,063 | | | *9,429 | 6,468 | 7.2 |
| | lb | *42,357 | *42,357 | *33,497 | 26,419 | *26,104 | 17,775 | | | *20,787 | 14,259 | 24.0 |
| -4.5 (-15 ft) | kg | | | *11,732 | *11,732 | | | | | *8,979 | 8,851 | 5.8 |
| | lb | | | *25,865 | *25,865 | | | | | *19,796 | 19,512 | 19.0 |

## LIFTING CAPACITY

### 939F with 600 mm (24") Shoes, 6,400 mm (21') Boom, 3,200 mm (10'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

**Conditions**

Boom length: 6,400 mm (21')
Arm length: 3,200 mm (10'6'')
Shoes: 600 mm (24")
Bucket: None
Unit: kg

**A (Unit: m)**

| B (m) | | 3 | | 4.5 | | 6 | | 7.5 | | 9 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | | | *8,170 | 7,101 | | | *7,295 | 5,797 | 8.5 |
| | lb | | | | | | | *18,012 | 15,656 | | | *16,082 | 12,780 | 28.0 |
| 4.5 (15 ft) | kg | | | | | *9,921 | 9,551 | *8,711 | 6,896 | *7,866 | 5,218 | *6,900 | 5,124 | 9.1 |
| | lb | | | | | *21,871 | 21,057 | *19,204 | 15,202 | *17,343 | 11,504 | *15,212 | 11,296 | 30.0 |
| 3.0 (10 ft) | kg | | | *15,350 | 13,381 | *11,374 | 9,017 | *9,449 | 6,628 | *8,377 | 5,109 | *8,025 | 4,864 | 9.3 |
| | lb | | | *33,841 | 29,499 | *25,076 | 19,879 | *20,831 | 14,613 | *18,467 | 11,262 | *17,692 | 10,723 | 31.0 |
| 1.5 (5 ft) | kg | | | *17,566 | 12,511 | *12,641 | 8,552 | *10,145 | 6,376 | 8,487 | 4,987 | *7,724 | 4,697 | 9.4 |
| | lb | | | *38,727 | 27,582 | *27,869 | 18,855 | *22,365 | 14,056 | 18,711 | 10,995 | *17,029 | 10,356 | 31.0 |
| GROUND LEVEL | kg | | | *18,247 | 12,154 | *13,353 | 8,261 | *10,575 | 6,197 | 8,397 | 4,906 | 8,152 | 4,773 | 9.2 |
| | lb | | | *40,228 | 26,794 | *29,438 | 18,213 | *23,313 | 13,661 | 18,513 | 10,817 | 17,972 | 10,523 | 30.0 |
| -1.5 (-5 ft) | kg | *15,064 | *15,064 | *17,779 | 12,106 | *13,353 | 8,153 | *10,532 | 6,124 | | | *8,768 | 5,112 | 8.7 |
| | lb | *33,210 | *33,210 | *39,197 | 26,689 | *29,438 | 17,974 | *23,220 | 13,502 | | | *19,331 | 11,271 | 29.0 |
| -3.0 (-10 ft) | kg | *22,032 | *22,032 | *16,332 | 12,249 | *12,505 | 8,208 | *9,673 | 6,191 | | | *8,909 | 5,831 | 7.9 |
| | lb | *48,573 | *48,573 | *36,005 | 27,004 | *27,569 | 18,096 | *21,326 | 13,648 | | | *19,641 | 12,855 | 26.0 |
| -4.5 (-15 ft) | kg | *17,734 | *17,734 | *13,554 | 12,586 | *10,284 | 8,458 | | | | | *8,699 | 7,386 | 6.7 |
| | lb | *39,098 | *39,098 | *29,882 | 27,746 | *22,673 | 18,647 | | | | | *19,177 | 16,284 | 22.0 |

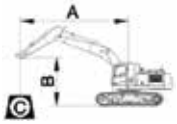
## LIFTING CAPACITY

### 939F with 700 mm (28") Shoes, 6,400 mm (21') Boom, 3,200 mm (10'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,400 mm (21')
Arm length: 3,200 mm (10'6'')
Shoes: 700 mm (28")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 3 | | 4.5 | | 6 | | 7.5 | | 9 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | | | *8,170 | 7,209 | | | *7,295 | 5,890 | 8.5 |
| | lb | | | | | | | *18,012 | 15,893 | | | *16,082 | 12,985 | 28.0 |
| 4.5 (15 ft) | kg | | | | | *9,921 | 9,693 | *8,711 | 7,004 | *7,866 | 5,305 | *6,900 | 5,210 | 9.1 |
| | lb | | | | | *21,871 | 21,370 | *19,204 | 15,440 | *17,343 | 11,695 | *15,212 | 11,485 | 30.0 |
| 3.0 (10 ft) | kg | | | *15,350 | 13,589 | *11,374 | 9,159 | *9,449 | 6,736 | *8,377 | 5,195 | *8,025 | 4,947 | 9.3 |
| | lb | | | *33,841 | 29,959 | *25,076 | 20,193 | *20,831 | 14,851 | *18,467 | 11,454 | *17,692 | 10,907 | 31.0 |
| 1.5 (5 ft) | kg | | | *17,566 | 12,720 | *12,641 | 8,695 | *10,145 | 6,483 | 8,617 | 5,074 | *7,724 | 4,780 | 9.4 |
| | lb | | | *38,727 | 28,042 | *27,869 | 19,168 | *22,365 | 14,294 | 18,998 | 11,187 | *17,029 | 10,538 | 31.0 |
| GROUND LEVEL | kg | | | *18,247 | 12,362 | *13,353 | 8,403 | *10,575 | 6,304 | 8,528 | 4,993 | *8,272 | 4,858 | 9.2 |
| | lb | | | *40,228 | 27,255 | *29,438 | 18,526 | *23,313 | 13,899 | 18,800 | 11,008 | *18,238 | 10,710 | 30.0 |
| -1.5 (-5 ft) | kg | *15,064 | *15,064 | *17,779 | 12,315 | *13,353 | 8,295 | *10,532 | 6,232 | | | *8,768 | 5,203 | 8.7 |
| | lb | *33,210 | *33,210 | *39,197 | 27,149 | *29,438 | 18,287 | *23,220 | 13,739 | | | *19,331 | 11,470 | 29.0 |
| -3.0 (-10 ft) | kg | *22,032 | *22,032 | *16,332 | 12,458 | *12,505 | 8,350 | *9,673 | 6,298 | | | *8,909 | 5,932 | 7.9 |
| | lb | *48,573 | *48,573 | *36,005 | 27,465 | *27,569 | 18,410 | *21,326 | 13,886 | | | *19,641 | 13,079 | 26.0 |
| -4.5 (-15 ft) | kg | *17,734 | *17,734 | *13,554 | 12,794 | *10,284 | 8,600 | | | | | *8,699 | 7,510 | 6.7 |
| | lb | *39,098 | *39,098 | *29,882 | 28,207 | *22,673 | 18,961 | | | | | *19,177 | 16,557 | 22.0 |

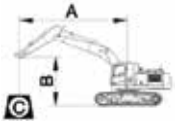
## LIFTING CAPACITY

### 939F with 600 mm (24") Shoes, 6,400 mm (21') Boom, 2,900 mm (9'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,400 mm (21')
Arm length: 2,900 mm (9'6'')
Shoes: 600 mm (24")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 3 | | 4.5 | | 6 | | 7.5 | | 9 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | | | *8,501 | 7,046 | | | *8,156 | 6,096 | 8.2 |
| | lb | | | | | | | *18,740 | 15,535 | | | *17,981 | 13,438 | 27.0 |
| 4.5 (15 ft) | kg | | | *12,911 | *12,911 | *10,290 | 9,459 | *8,982 | 6,850 | | | *7,922 | 5,370 | 8.8 |
| | lb | | | *28,464 | *28,464 | *22,686 | 20,853 | *19,802 | 15,102 | | | *17,465 | 11,839 | 29.0 |
| 3.0 (10 ft) | kg | | | *15,911 | 13,131 | *11,677 | 8,923 | *9,664 | 6,589 | *8,565 | 5,089 | *8,051 | 5,005 | 9.1 |
| | lb | | | *35,077 | 28,948 | *25,743 | 19,673 | *21,306 | 14,525 | *18,883 | 11,219 | *17,748 | 11,035 | 30.0 |
| 1.5 (5 ft) | kg | | | *17,828 | 12,333 | *12,833 | 8,476 | *10,290 | 6,347 | 8,484 | 4,984 | 8,353 | 4,911 | 9.1 |
| | lb | | | *39,304 | 27,190 | *28,292 | 18,687 | *22,685 | 13,992 | 18,704 | 10,989 | 18,414 | 10,826 | 30.0 |
| GROUND LEVEL | kg | | | *18,167 | 12,068 | *13,403 | 8,216 | *10,628 | 6,185 | | | 8,547 | 4,995 | 8.9 |
| | lb | | | *40,052 | 26,604 | *29,548 | 18,112 | *23,430 | 13,637 | | | 18,843 | 11,011 | 29.0 |
| -1.5 (-5 ft) | kg | *15,508 | *15,508 | *17,457 | 12,079 | *13,246 | 8,141 | *10,454 | 6,139 | | | *9,050 | 5,368 | 8.4 |
| | lb | *34,188 | *34,188 | *38,487 | 26,630 | *29,203 | 17,948 | *23,048 | 13,534 | | | *19,951 | 11,834 | 28.0 |
| -3.0 (-10 ft) | kg | *20,689 | *20,689 | *15,796 | 12,269 | *12,199 | 8,236 | | | | | *9,285 | 6,257 | 7.5 |
| | lb | *45,612 | *45,612 | *34,823 | 27,049 | *26,895 | 18,158 | | | | | *20,471 | 13,794 | 25.0 |
| -4.5 (-15 ft) | kg | *16,171 | *16,171 | *12,694 | 12,667 | *9,507 | 8,562 | | | | | *8,760 | 8,074 | 6.3 |
| | lb | *35,650 | *35,650 | *27,984 | 27,926 | *20,960 | 18,875 | | | | | *19,313 | 17,801 | 21.0 |

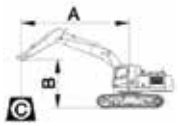
## LIFTING CAPACITY

### 939F with 700 mm (28") Shoes, 6,400 mm (21') Boom, 2,900 mm (9'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,400 mm (21')
Arm length: 2,900 mm (9'6'')
Shoes: 700 mm (28")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 3 | | 4.5 | | 6 | | 7.5 | | 9 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | | | *8,501 | 7,154 | | | *8,156 | 6,192 | 8.2 |
| | lb | | | | | | | *18,740 | 15,772 | | | *17,981 | 13,652 | 27.0 |
| 4.5 (15 ft) | kg | | | *12,911 | *12,911 | *10,290 | 9,601 | *8,982 | 6,958 | | | *7,922 | 5,459 | 8.8 |
| | lb | | | *28,464 | *28,464 | *22,686 | 21,167 | *19,802 | 15,339 | | | *17,465 | 12,036 | 29.0 |
| 3.0 (10 ft) | kg | | | *15,911 | 13,339 | *11,677 | 9,066 | *9,664 | 6,696 | *8,565 | 5,176 | *8,051 | 5,091 | 9.1 |
| | lb | | | *35,077 | 29,408 | *25,743 | 19,986 | *21,306 | 14,763 | *18,883 | 11,410 | *17,748 | 11,224 | 30.0 |
| 1.5 (5 ft) | kg | | | *17,828 | 12,542 | *12,833 | 8,618 | *10,290 | 6,455 | 8,614 | 5,071 | 8,481 | 4,996 | 9.1 |
| | lb | | | *39,304 | 27,650 | *28,292 | 19,000 | *22,685 | 14,230 | 18,991 | 11,180 | 18,697 | 11,015 | 30.0 |
| GROUND LEVEL | kg | | | *18,167 | 12,276 | *13,403 | 8,358 | *10,628 | 6,293 | | | 8,679 | 5,083 | 8.9 |
| | lb | | | *40,052 | 27,065 | *29,548 | 18,426 | *23,430 | 13,874 | | | 19,134 | 11,205 | 29.0 |
| -1.5 (-5 ft) | kg | *15,508 | *15,508 | *17,457 | 12,288 | *13,246 | 8,283 | *10,454 | 6,247 | | | *9,050 | 5,462 | 8.4 |
| | lb | *34,188 | *34,188 | *38,487 | 27,090 | *29,203 | 18,262 | *23,048 | 13,772 | | | *19,951 | 12,041 | 28.0 |
| -3.0 (-10 ft) | kg | *20,689 | *20,689 | *15,796 | 12,478 | *12,199 | 8,378 | | | | | *9,285 | 6,365 | 7.5 |
| | lb | *45,612 | *45,612 | *34,823 | 27,509 | *26,895 | 18,471 | | | | | *20,471 | 14,031 | 25.0 |
| -4.5 (-15 ft) | kg | *16,171 | *16,171 | *12,694 | *12,694 | *9,507 | 8,704 | | | | | *8,760 | 8,208 | 6.3 |
| | lb | *35,650 | *35,650 | *27,984 | *27,984 | *20,960 | 19,189 | | | | | *19,313 | 18,095 | 21.0 |

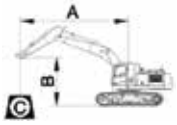
## LIFTING CAPACITY

### 939F with 600 mm (24") Shoes, 6,400 mm (21') Boom, 2,600 mm (8'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,400 mm (21')
Arm length: 2,600 mm (8'6'')
Shoes: 600 mm (24")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 3 | | 4.5 | | 6 | | 7.5 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | *9,545 | *9,545 | *8,842 | 6,991 | *8,789 | 6,421 | 7.9 |
| | lb | | | | | *21,042 | *21,042 | *19,494 | 15,412 | *19,377 | 14,156 | 26.0 |
| 4.5 (15 ft) | kg | | | *13,533 | *13,533 | *10,644 | 9,369 | *9,249 | 6,809 | *8,775 | 5,637 | 8.5 |
| | lb | | | *29,835 | *29,835 | *23,465 | 20,655 | *20,391 | 15,010 | *19,347 | 12,427 | 28.0 |
| 3.0 (10 ft) | kg | | | *16,443 | 12,862 | *11,956 | 8,831 | *9,869 | 6,554 | *8,865 | 5,243 | 8.8 |
| | lb | | | *36,252 | 28,356 | *26,359 | 19,469 | *21,758 | 14,449 | *19,545 | 11,558 | 29.0 |
| 1.5 (5 ft) | kg | | | *18,007 | 12,156 | *12,995 | 8,402 | *10,420 | 6,324 | 8,762 | 5,140 | 8.8 |
| | lb | | | *39,699 | 26,800 | *28,650 | 18,524 | *22,973 | 13,941 | 19,316 | 11,332 | 29.0 |
| GROUND LEVEL | kg | | | *17,988 | 11,990 | *13,419 | 8,174 | *10,661 | 6,182 | 8,977 | 5,233 | 8.6 |
| | lb | | | *39,656 | 26,433 | *29,585 | 18,020 | *23,504 | 13,628 | 19,791 | 11,538 | 28.0 |
| -1.5 (-5 ft) | kg | *15,854 | *15,854 | *17,057 | 12,059 | *13,103 | 8,136 | *10,338 | 6,166 | *9,336 | 5,646 | 8.1 |
| | lb | *34,953 | *34,953 | *37,605 | 26,585 | *28,888 | 17,936 | *22,792 | 13,593 | *20,582 | 12,447 | 27.0 |
| -3.0 (-10 ft) | kg | *19,213 | *19,213 | *15,194 | 12,296 | *11,840 | 8,276 | | | *9,429 | 6,638 | 7.2 |
| | lb | *42,357 | *42,357 | *33,497 | 27,109 | *26,104 | 18,245 | | | *20,787 | 14,634 | 24.0 |
| -4.5 (-15 ft) | kg | | | *11,732 | *11,732 | | | | | *8,979 | *8,979 | 5.8 |
| | lb | | | *25,865 | *25,865 | | | | | *19,796 | *19,796 | 19.0 |

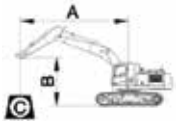
## LIFTING CAPACITY

### 939F with 700 mm (28") Shoes, 6,400 mm (21') Boom, 2,600 mm (8'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

**Conditions**

Boom length: 6,400 mm (21')
Arm length: 2,600 mm (8'6'')
Shoes: 700 mm (28")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 3 Cf | 3 Cs | 4.5 Cf | 4.5 Cs | 6 Cf | 6 Cs | 7.5 Cf | 7.5 Cs | MAX REACH Cf | MAX REACH Cs | MAX REACH A (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.0 (20 ft) | kg | | | | | *9,545 | *9,545 | *8,842 | 7,098 | *8,789 | 6,522 | 7.9 |
| | lb | | | | | *21,042 | *21,042 | *19,494 | 15,649 | *19,377 | 14,380 | 26.0 |
| 4.5 (15 ft) | kg | | | *13,533 | *13,533 | *10,644 | 9,511 | *9,249 | 6,916 | *8,775 | 5,729 | 8.5 |
| | lb | | | *29,835 | *29,835 | *23,465 | 20,968 | *20,391 | 15,248 | *19,347 | 12,631 | 28.0 |
| 3.0 (10 ft) | kg | | | *16,443 | 13,071 | *11,956 | 8,973 | *9,869 | 6,662 | *8,865 | 5,332 | 8.8 |
| | lb | | | *36,252 | 28,816 | *26,359 | 19,783 | *21,758 | 14,687 | *19,545 | 11,755 | 29.0 |
| 1.5 (5 ft) | kg | | | *18,007 | 12,365 | *12,995 | 8,544 | *10,420 | 6,432 | 8,895 | 5,229 | 8.8 |
| | lb | | | *39,699 | 27,260 | *28,650 | 18,837 | *22,973 | 14,179 | 19,611 | 11,528 | 29.0 |
| GROUND LEVEL | kg | | | *17,988 | 12,199 | *13,419 | 8,316 | *10,661 | 6,289 | 9,115 | 5,325 | 8.6 |
| | lb | | | *39,656 | 26,894 | *29,585 | 18,334 | *23,504 | 13,866 | 20,095 | 11,740 | 28.0 |
| -1.5 (-5 ft) | kg | *15,854 | *15,854 | *17,057 | 12,267 | *13,103 | 8,278 | *10,338 | 6,273 | *9,336 | 5,744 | 8.1 |
| | lb | *34,953 | *34,953 | *37,605 | 27,045 | *28,888 | 18,250 | *22,792 | 13,831 | *20,582 | 12,664 | 27.0 |
| -3.0 (-10 ft) | kg | *19,213 | *19,213 | *15,194 | 12,505 | *11,840 | 8,418 | | | *9,429 | 6,751 | 7.2 |
| | lb | *42,357 | *42,357 | *33,497 | 27,569 | *26,104 | 18,559 | | | *20,787 | 14,883 | 24.0 |
| -4.5 (-15 ft) | kg | | | *11,732 | *11,732 | | | | | *8,979 | *8,979 | 5.8 |
| | lb | | | *25,865 | *25,865 | | | | | *19,796 | *19,796 | 19.0 |

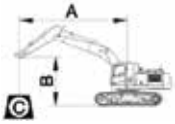
## LIFTING CAPACITY

### 942F with 600 mm (24") Shoes, 6,400 mm (21') Boom, 3,200 mm (10'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

**Conditions**

Boom length: 6,400 mm (21')
Arm length: 3,200 mm (10'6'')
Shoes: 600 mm (24")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 3 Cf | 3 Cs | 4.5 Cf | 4.5 Cs | 6 Cf | 6 Cs | 7.5 Cf | 7.5 Cs | 9 Cf | 9 Cs | MAX REACH Cf | MAX REACH Cs | MAX REACH A (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.0 (20 ft) | kg | | | | | | | *8,170 | 7,651 | | | *7,295 | 6,256 | 8.5 |
| | lb | | | | | | | *18,012 | 16,868 | | | *16,082 | 13,792 | 28.0 |
| 4.5 (15 ft) | kg | | | | | *9,921 | *9,921 | *8,711 | 7,443 | *7,866 | 5,641 | *6,900 | 5,541 | 9.1 |
| | lb | | | | | *21,871 | *21,871 | *19,204 | 16,409 | *17,343 | 12,437 | *15,212 | 12,215 | 30.0 |
| 3.0 (10 ft) | kg | | | *15,350 | 14,608 | *11,374 | 9,776 | *9,449 | 7,172 | *8,377 | 5,531 | *8,025 | 5,268 | 9.3 |
| | lb | | | *33,841 | 32,205 | *25,076 | 21,552 | *20,831 | 15,812 | *18,467 | 12,193 | *17,692 | 11,613 | 31.0 |
| 1.5 (5 ft) | kg | | | *17,566 | 13,717 | *12,641 | 9,304 | *10,145 | 6,917 | *8,674 | 5,408 | *7,724 | 5,095 | 9.4 |
| | lb | | | *38,727 | 30,241 | *27,869 | 20,511 | *22,365 | 15,248 | *19,122 | 11,923 | *17,029 | 11,232 | 31.0 |
| GROUND LEVEL | kg | | | *18,247 | 13,352 | *13,353 | 9,008 | *10,575 | 6,735 | *8,769 | 5,327 | *8,272 | 5,181 | 9.2 |
| | lb | | | *40,228 | 29,435 | *29,438 | 19,859 | *23,313 | 14,849 | *19,333 | 11,743 | *18,238 | 11,423 | 30.0 |
| -1.5 (-5 ft) | kg | *15,064 | *15,064 | *17,779 | 13,303 | *13,353 | 8,898 | *10,532 | 6,662 | | | *8,768 | 5,552 | 8.7 |
| | lb | *33,210 | *33,210 | *39,197 | 29,327 | *29,438 | 19,616 | *23,220 | 14,688 | | | *19,331 | 12,240 | 29.0 |
| -3.0 (-10 ft) | kg | *22,032 | *22,032 | *16,332 | 13,449 | *12,505 | 8,954 | *9,673 | 6,729 | | | *8,909 | 6,333 | 7.9 |
| | lb | *48,573 | *48,573 | *36,005 | 29,650 | *27,569 | 19,740 | *21,326 | 14,836 | | | *19,641 | 13,961 | 26.0 |
| -4.5 (-15 ft) | kg | *17,734 | *17,734 | *13,554 | *13,554 | *10,284 | 9,208 | | | | | *8,699 | 8,023 | 6.7 |
| | lb | *39,098 | *39,098 | *29,882 | *29,882 | *22,673 | 20,301 | | | | | *19,177 | 17,687 | 22.0 |

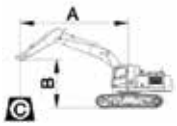
## LIFTING CAPACITY

### 942F with 700 mm (28") Shoes, 6,400 mm (21') Boom, 3,200 mm (10'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

**Conditions**

Boom length: 6,400 mm (21')
Arm length: 3,200 mm (10'6'')
Shoes: 700 mm (28")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 3 | | 4.5 | | 6 | | 7.5 | | 9 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | | | *8,170 | 7,764 | | | *7,295 | 6,353 | 8.5 |
| | lb | | | | | | | *18,012 | 17,116 | | | *16,082 | 14,006 | 28.0 |
| 4.5 (15 ft) | kg | | | | | *9,921 | *9,921 | *8,711 | 7,556 | *7,866 | 5,732 | *6,900 | 5,630 | 9.1 |
| | lb | | | | | *21,871 | *21,871 | *19,204 | 16,658 | *17,343 | 12,637 | *15,212 | 12,412 | 30.0 |
| 3.0 (10 ft) | kg | | | *15,350 | 14,829 | *11,374 | 9,925 | *9,449 | 7,285 | *8,377 | 5,621 | *8,025 | 5,355 | 9.3 |
| | lb | | | *33,841 | 32,692 | *25,076 | 21,882 | *20,831 | 16,061 | *18,467 | 12,393 | *17,692 | 11,806 | 31.0 |
| 1.5 (5 ft) | kg | | | *17,566 | 13,938 | *12,641 | 9,453 | *10,145 | 7,029 | *8,674 | 5,499 | *7,724 | 5,181 | 9.4 |
| | lb | | | *38,727 | 30,728 | *27,869 | 20,841 | *22,365 | 15,497 | *19,122 | 12,123 | *17,029 | 11,421 | 31.0 |
| GROUND LEVEL | kg | | | *18,247 | 13,572 | *13,353 | 9,157 | *10,575 | 6,848 | *8,769 | 5,417 | *8,272 | 5,270 | 9.2 |
| | lb | | | *40,228 | 29,922 | *29,438 | 20,188 | *23,313 | 15,098 | *19,333 | 11,943 | *18,238 | 11,617 | 30.0 |
| -1.5 (-5 ft) | kg | *15,064 | *15,064 | *17,779 | 13,523 | *13,353 | 9,047 | *10,532 | 6,775 | | | *8,768 | 5,646 | 8.7 |
| | lb | *33,210 | *33,210 | *39,197 | 29,814 | *29,438 | 19,945 | *23,220 | 14,936 | | | *19,331 | 12,448 | 29.0 |
| -3.0 (-10 ft) | kg | *22,032 | *22,032 | *16,332 | 13,670 | *12,505 | 9,103 | *9,673 | 6,842 | | | *8,909 | 6,438 | 7.9 |
| | lb | *48,573 | *48,573 | *36,005 | 30,137 | *27,569 | 20,070 | *21,326 | 15,084 | | | *19,641 | 14,194 | 26.0 |
| -4.5 (-15 ft) | kg | *17,734 | *17,734 | *13,554 | *13,554 | *10,284 | 9,358 | | | | | *8,699 | 8,152 | 6.7 |
| | lb | *39,098 | *39,098 | *29,882 | *29,882 | *22,673 | 20,630 | | | | | *19,177 | 17,973 | 22.0 |

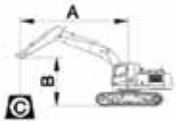
## LIFTING CAPACITY

### 942F with 600 mm (24") Shoes, 6,400 mm (21') Boom, 2,900 mm (9'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

**Conditions**

Boom length: 6,400 mm (21')
Arm length: 2,900 mm (9'6'')
Shoes: 600 mm (24")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 3 | | 4.5 | | 6 | | 7.5 | | 9 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | | | *8,501 | 7,596 | | | *8,156 | 6,578 | 8.2 |
| | lb | | | | | | | *18,740 | 16,745 | | | *17,981 | 14,502 | 27.0 |
| 4.5 (15 ft) | kg | | | *12,911 | *12,911 | *10,290 | 10,225 | *8,982 | 7,397 | | | *7,922 | 5,806 | 8.8 |
| | lb | | | *28,464 | *28,464 | *22,686 | 22,542 | *19,802 | 16,307 | | | *17,465 | 12,801 | 29.0 |
| 3.0 (10 ft) | kg | | | *15,911 | 14,352 | *11,677 | 9,681 | *9,664 | 7,132 | *8,565 | 5,511 | *8,051 | 5,421 | 9.1 |
| | lb | | | *35,077 | 31,640 | *25,743 | 21,343 | *21,306 | 15,724 | *18,883 | 12,149 | *17,748 | 11,952 | 30.0 |
| 1.5 (5 ft) | kg | | | *17,828 | 13,535 | *12,833 | 9,226 | *10,290 | 6,887 | *8,780 | 5,405 | *8,697 | 5,326 | 9.1 |
| | lb | | | *39,304 | 29,840 | *28,292 | 20,341 | *22,685 | 15,184 | *19,357 | 11,917 | *19,173 | 11,741 | 30.0 |
| GROUND LEVEL | kg | | | *18,167 | 13,263 | *13,403 | 8,962 | *10,628 | 6,724 | | | *8,867 | 5,421 | 8.9 |
| | lb | | | *40,052 | 29,240 | *29,548 | 19,757 | *23,430 | 14,824 | | | *19,548 | 11,952 | 29.0 |
| -1.5 (-5 ft) | kg | *15,508 | *15,508 | *17,457 | 13,275 | *13,246 | 8,886 | *10,454 | 6,677 | | | *9,050 | 5,829 | 8.4 |
| | lb | *34,188 | *34,188 | *38,487 | 29,267 | *29,203 | 19,590 | *23,048 | 14,720 | | | *19,951 | 12,850 | 28.0 |
| -3.0 (-10 ft) | kg | *20,689 | *20,689 | *15,796 | 13,470 | *12,199 | 8,983 | | | | | *9,285 | 6,796 | 7.5 |
| | lb | *45,612 | *45,612 | *34,823 | 29,696 | *26,895 | 19,803 | | | | | *20,471 | 14,983 | 25.0 |
| -4.5 (-15 ft) | kg | *16,171 | *16,171 | *12,694 | *12,694 | *9,507 | 9,313 | | | | | *8,760 | *8,760 | 6.3 |
| | lb | *35,650 | *35,650 | *27,984 | *27,984 | *20,960 | 20,532 | | | | | *19,313 | *19,313 | 21.0 |

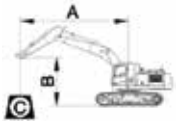
## LIFTING CAPACITY

### 942F with 700 mm (28") Shoes, 6,400 mm (21') Boom, 2,900 mm (9'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,400 mm (21')
Arm length: 2,900 mm (9'6'')
Shoes: 700 mm (28")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 3 | | 4.5 | | 6 | | 7.5 | | 9 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | | | *8,501 | 7,708 | | | *8,156 | 6,679 | 8.2 |
| | lb | | | | | | | *18,740 | 16,994 | | | *17,981 | 14,725 | 27.0 |
| 4.5 (15 ft) | kg | | | *12,911 | *12,911 | *10,290 | *10,290 | *8,982 | 7,510 | | | *7,922 | 5,899 | 8.8 |
| | lb | | | *28,464 | *28,464 | *22,686 | *22,686 | *19,802 | 16,556 | | | *17,465 | 13,006 | 29.0 |
| 3.0 (10 ft) | kg | | | *15,911 | 14,573 | *11,677 | 9,830 | *9,664 | 7,245 | *8,565 | 5,601 | *8,051 | 5,511 | 9.1 |
| | lb | | | *35,077 | 32,127 | *25,743 | 21,672 | *21,306 | 15,972 | *18,883 | 12,349 | *17,748 | 12,149 | 30.0 |
| 1.5 (5 ft) | kg | | | *17,828 | 13,756 | *12,833 | 9,376 | *10,290 | 7,000 | *8,780 | 5,496 | *8,697 | 5,415 | 9.1 |
| | lb | | | *39,304 | 30,327 | *28,292 | 20,670 | *22,685 | 15,433 | *19,357 | 12,117 | *19,173 | 11,938 | 30.0 |
| GROUND LEVEL | kg | | | *18,167 | 13,484 | *13,403 | 9,111 | *10,628 | 6,837 | | | *8,867 | 5,513 | 8.9 |
| | lb | | | *40,052 | 29,728 | *29,548 | 20,086 | *23,430 | 15,073 | | | *19,548 | 12,154 | 29.0 |
| -1.5 (-5 ft) | kg | *15,508 | *15,508 | *17,457 | 13,496 | *13,246 | 9,035 | *10,454 | 6,790 | | | *9,050 | 5,927 | 8.4 |
| | lb | *34,188 | *34,188 | *38,487 | 29,754 | *29,203 | 19,920 | *23,048 | 14,969 | | | *19,951 | 13,067 | 28.0 |
| -3.0 (-10 ft) | kg | *20,689 | *20,689 | *15,796 | 13,691 | *12,199 | 9,132 | | | | | *9,285 | 6,909 | 7.5 |
| | lb | *45,612 | *45,612 | *34,823 | 30,183 | *26,895 | 20,132 | | | | | *20,471 | 15,232 | 25.0 |
| -4.5 (-15 ft) | kg | *16,171 | *16,171 | *12,694 | *12,694 | *9,507 | 9,463 | | | | | *8,760 | *8,760 | 6.3 |
| | lb | *35,650 | *35,650 | *27,984 | *27,984 | *20,960 | 20,862 | | | | | *19,313 | *19,313 | 21.0 |

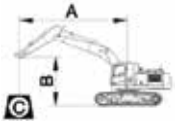
## LIFTING CAPACITY

### 942F with 600 mm (24") Shoes, 6,400 mm (21') Boom, 2,600 mm (8'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,400 mm (21')
Arm length: 2,600 mm (8'6'')
Shoes: 600 mm (24")
Bucket: None
Unit: kg




| B (m) | | A (Unit: m) 3 | | 4.5 | | 6 | | 7.5 | | MAX REACH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | *9,545 | *9,545 | *8,842 | 7,539 | *8,789 | 6,930 | 7.9 |
| | lb | | | | | *21,042 | *21,042 | *19,494 | 16,621 | *19,377 | 15,277 | 26.0 |
| 4.5 (15 ft) | kg | | | *13,533 | *13,533 | *10,644 | 10,134 | *9,249 | 7,355 | *8,775 | 6,094 | 8.5 |
| | lb | | | *29,835 | *29,835 | *23,465 | 22,341 | *20,391 | 16,214 | *19,347 | 13,435 | 28.0 |
| 3.0 (10 ft) | kg | | | *16,443 | 14,077 | *11,956 | 9,587 | *9,869 | 7,097 | *8,865 | 5,678 | 8.8 |
| | lb | | | *36,252 | 31,034 | *26,359 | 21,136 | *21,758 | 15,646 | *19,545 | 12,517 | 29.0 |
| 1.5 (5 ft) | kg | | | *18,007 | 13,354 | *12,995 | 9,151 | *10,420 | 6,864 | *9,048 | 5,574 | 8.8 |
| | lb | | | *39,699 | 29,441 | *28,650 | 20,175 | *22,973 | 15,133 | *19,947 | 12,288 | 29.0 |
| GROUND LEVEL | kg | | | *17,988 | 13,184 | *13,419 | 8,919 | *10,661 | 6,720 | *9,204 | 5,680 | 8.6 |
| | lb | | | *39,656 | 29,066 | *29,585 | 19,663 | *23,504 | 14,815 | *20,290 | 12,523 | 28.0 |
| -1.5 (-5 ft) | kg | *15,854 | *15,854 | *17,057 | 13,254 | *13,103 | 8,880 | *10,338 | 6,704 | *9,336 | 6,130 | 8.1 |
| | lb | *34,953 | *34,953 | *37,605 | 29,220 | *28,888 | 19,578 | *22,792 | 14,780 | *20,582 | 13,515 | 27.0 |
| -3.0 (-10 ft) | kg | *19,213 | *19,213 | *15,194 | 13,498 | *11,840 | 9,023 | | | *9,429 | 7,210 | 7.2 |
| | lb | *42,357 | *42,357 | *33,497 | 29,757 | *26,104 | 19,892 | | | *20,787 | 15,895 | 24.0 |
| -4.5 (-15 ft) | kg | | | *11,732 | *11,732 | | | | | *8,979 | *8,979 | 5.8 |
| | lb | | | *25,865 | *25,865 | | | | | *19,796 | *19,796 | 19.0 |

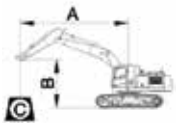
## LIFTING CAPACITY

### 942F with 700 mm (28") Shoes, 6,400 mm (21') Boom, 2,600 mm (8'6'') Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

### Conditions

Boom length: 6,400 mm (21')
Arm length: 2,600 mm (8'6'')
Shoes: 700 mm (28")
Bucket: None
Unit: kg




| | | A (Unit: m) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B (m) | | 3 | | 4.5 | | 6 | | 7.5 | | MAX REACH | | |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | A (m) |
| 6.0 (20 ft) | kg | | | | | *9,545 | *9,545 | *8,842 | 7,652 | *8,789 | 7,035 | 7.9 |
| | lb | | | | | *21,042 | *21,042 | *19,494 | 16,869 | *19,377 | 15,510 | 26.0 |
| 4.5 (15 ft) | kg | | | *13,533 | *13,533 | *10,644 | 10,283 | *9,249 | 7,468 | *8,775 | 6,191 | 8.5 |
| | lb | | | *29,835 | *29,835 | *23,465 | 22,670 | *20,391 | 16,463 | *19,347 | 13,648 | 28.0 |
| 3.0 (10 ft) | kg | | | *16,443 | 14,298 | *11,956 | 9,736 | *9,869 | 7,210 | *8,865 | 5,771 | 8.8 |
| | lb | | | *36,252 | 31,521 | *26,359 | 21,465 | *21,758 | 15,895 | *19,545 | 12,722 | 29.0 |
| 1.5 (5 ft) | kg | | | *18,007 | 13,575 | *12,995 | 9,301 | *10,420 | 6,977 | *9,048 | 5,667 | 8.8 |
| | lb | | | *39,699 | 29,928 | *28,650 | 20,504 | *22,973 | 15,381 | *19,947 | 12,493 | 29.0 |
| GROUND LEVEL | kg | | | *17,988 | 13,405 | *13,419 | 9,068 | *10,661 | 6,833 | *9,204 | 5,776 | 8.6 |
| | lb | | | *39,656 | 29,553 | *29,585 | 19,992 | *23,504 | 15,064 | *20,290 | 12,734 | 28.0 |
| -1.5 (-5 ft) | kg | *15,854 | *15,854 | *17,057 | 13,475 | *13,103 | 9,030 | *10,338 | 6,817 | *9,336 | 6,233 | 8.1 |
| | lb | *34,953 | *34,953 | *37,605 | 29,707 | *28,888 | 19,907 | *22,792 | 15,028 | *20,582 | 13,742 | 27.0 |
| -3.0 (-10 ft) | kg | *19,213 | *19,213 | *15,194 | 13,719 | *11,840 | 9,172 | | | *9,429 | 7,328 | 7.2 |
| | lb | *42,357 | *42,357 | *33,497 | 30,244 | *26,104 | 20,221 | | | *20,787 | 16,156 | 24.0 |
| -4.5 (-15 ft) | kg | | | *11,732 | *11,732 | | | | | *8,979 | *8,979 | 5.8 |
| | lb | | | *25,865 | *25,865 | | | | | *19,796 | *19,796 | 19.0 |



LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area.

# STANDARD EQUIPMENT

| ENGINE SYSTEM | 936F DM | 930F | 936F | 939F DM | 942F |
|---|---|---|---|---|---|
| • Cummins B6.7 engine, Rate power 173kW,EPA Tier 4F/EU Stage V, turbocharged, 6 cylinder, 4 stroke, water cooled. | ■ | ■ | – | – | – |
| • Cummins L9 engine, Rate power 231kW,EPA Tier 4F/EU Stage V, turbocharged, 6 cylinder, 4 stroke, water cooled. | – | – | ■ | ■ | ■ |
| • Engine overheat prevention system | ■ | ■ | ■ | ■ | ■ |
| • Auto-idle speed control | ■ | ■ | ■ | ■ | ■ |
| • Automatic engine shutdown | ■ | ■ | ■ | ■ | ■ |
| • Radial seal air filters (primary and secondary filter) | ■ | ■ | ■ | ■ | ■ |
| • Cleanable metal fuel tank | ■ | ■ | ■ | ■ | ■ |
| • Fuel pre-filter with water separator and water detection | ■ | ■ | ■ | ■ | ■ |
| • Electric fuel lifting pump | ■ | ■ | ■ | ■ | ■ |
| • Remote engine oil filter | ■ | ■ | ■ | ■ | ■ |
| • Variable fan with viscous clutch | ■ | ■ | ■ | ■ | ■ |
| • Removable Radiator dustproof net | ■ | ■ | ■ | ■ | ■ |
| • Air conditioner compressor belt automatic tense | ■ | ■ | ■ | ■ | ■ |
| • Cold starting kit for -20° C | ■ | ■ | ■ | ■ | ■ |
| • Engine oil low pressure protection | ■ | ■ | ■ | ■ | ■ |
| • Automatic warming up | ■ | ■ | ■ | ■ | ■ |
| • Coolant level warning | ■ | ■ | ■ | ■ | ■ |
| • Supercharger thermal protection | ■ | ■ | ■ | ■ | ■ |
| • DEF level alarm | ■ | ■ | ■ | ■ | ■ |
| • Fuel pressure differential gauge | ■ | ■ | ■ | ■ | ■ |
| • Air prefilter | ■ | ■ | ■ | ■ | ■ |
| • Warning for air filter block | ■ | ■ | ■ | ■ | ■ |
| • Drain coolant at outer side of radiator | ■ | ■ | ■ | ■ | ■ |
| • Coolant level observed on ground | ■ | ■ | ■ | ■ | ■ |
| • Easy to drain engine oil (bottom cover with drain valve) | ■ | ■ | ■ | ■ | ■ |
| • Fuel shut-off valve | ■ | ■ | ■ | ■ | ■ |
| • Water drainable fuel tank(with water valve) | ■ | ■ | ■ | ■ | ■ |

| HYDRAULIC SYSTEM | 936F DM | 930F | 936F | 939F DM | 942F |
|---|---|---|---|---|---|
| • Full electric control hydraulic system | ■ | ■ | ■ | ■ | ■ |
| • 3-power modes (Power, Standard, Economy ) | ■ | ■ | ■ | ■ | ■ |
| • Power boost function | ■ | ■ | ■ | ■ | ■ |
| • Pilot control shut-off lever | ■ | ■ | ■ | ■ | ■ |
| • Pilot accumulator | ■ | ■ | ■ | ■ | ■ |
| • Low force joystick | ■ | ■ | ■ | ■ | ■ |
| • Automatic swing parking brake | ■ | ■ | ■ | ■ | ■ |
| • Swing with anti-reverse function | ■ | ■ | ■ | ■ | ■ |



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| | | | | | |
|---|---|---|---|---|---|
| • Boom and arm regeneration circuits | ■ | ■ | ■ | ■ | ■ |
| • Boom and arm holding valves | ■ | ■ | ■ | ■ | ■ |
| • Automatic two-speed travel | ■ | ■ | ■ | ■ | ■ |
| • Automatic travel parking brake | ■ | ■ | ■ | ■ | ■ |
| • Pressure checking port for main pump | ■ | ■ | ■ | ■ | ■ |
| • MCV with auxiliary valve | ■ | ■ | ■ | ■ | ■ |
| • Boom and arm down lock valve | ■ | ■ | ■ | ■ | ■ |
| • Hydraulic oil level visible | ■ | ■ | ■ | ■ | ■ |
| • Hydraulic pump with PTO port | ■ | ■ | ■ | ■ | ■ |

## OPERATOR STATION

| | 936F DM | 930F | 936F | 939F DM | 942F |
|---|---|---|---|---|---|
| • Pressurized and sealed cab with all-around visibility | ■ | ■ | ■ | ■ | ■ |
| • ROPS certified cab | ■ | ■ | ■ | ■ | ■ |
| • Lower windshield can be removable | ■ | ■ | ■ | ■ | ■ |
| • Openable front windshield with assist device | ■ | ■ | ■ | ■ | ■ |
| • Large roof window with slide sliding sun visor | ■ | ■ | ■ | ■ | ■ |
| • Air suspension deluxe seat (with heater and head rest) +retractable seat belt (75 mm [3 in] width, red colour, with green alarm lamp) | ■ | ■ | ■ | ■ | ■ |
| • Consoles and seat height adjustable follow-up | ■ | ■ | ■ | ■ | ■ |
| • 8 inches high resolution LCD touch screen + integrated control panel | ■ | ■ | ■ | ■ | ■ |
| • Washable floor mat | ■ | ■ | ■ | ■ | ■ |
| • Fire extinguisher | ■ | ■ | ■ | ■ | ■ |
| • Safety hammer for cab evacuation | ■ | ■ | ■ | ■ | ■ |
| • Green safety glass | ■ | ■ | ■ | ■ | ■ |
| • Cab interior lighting | ■ | ■ | ■ | ■ | ■ |
| • Cab emergency exit | ■ | ■ | ■ | ■ | ■ |
| • Fire extinguisher bracket | ■ | ■ | ■ | ■ | ■ |
| • Travel control pedals with removable hand levers | ■ | ■ | ■ | ■ | ■ |
| • Sliding upper door window(left-hand cab door) | ■ | ■ | ■ | ■ | ■ |
| • Rear view mirror, mounted in the LH cab | ■ | ■ | ■ | ■ | ■ |

## ELECTRICAL SYSTEM

| | 936F DM | 930F | 936F | 939F DM | 942F |
|---|---|---|---|---|---|
| • 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, maintenance remind etc. | ■ | ■ | ■ | ■ | ■ |
| • Front window wiper with time adjustable intermittent feature | ■ | ■ | ■ | ■ | ■ |
| • AM/FM radio with auxiliary input | ■ | ■ | ■ | ■ | ■ |
| • Blue tooth | ■ | ■ | ■ | ■ | ■ |
| • Working lights close time delay by programmable | ■ | ■ | ■ | ■ | ■ |
| • Cab interior decoration lights close time delay by programmable | ■ | ■ | ■ | ■ | ■ |
| • 2 stereo speakers | ■ | ■ | ■ | ■ | ■ |
| • Battery disconnect switch | ■ | ■ | ■ | ■ | ■ |
| • Emergency stop on ground | ■ | ■ | ■ | ■ | ■ |
| • Set password for auxiliary hydraulic-flow adjustments | ■ | ■ | ■ | ■ | ■ |
| • Work tool flow and pressure programmable memories | ■ | ■ | ■ | ■ | ■ |
| • Front window wiper gating switch | ■ | ■ | ■ | ■ | ■ |



LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area.

| | | | | | |
|---|---|---|---|---|---|
| • Instantaneous fuel consumption display | ■ | ■ | ■ | ■ | ■ |
| • 2 Batteries | ■ | ■ | ■ | ■ | ■ |
| • Language display (full graphic and full color display) | ■ | ■ | ■ | ■ | ■ |
| • Engine auto pre-heater | ■ | ■ | ■ | ■ | ■ |
| • Plateau mode (plateau adaptive function) | ■ | ■ | ■ | ■ | ■ |
| • Travel alarm | ■ | ■ | ■ | ■ | ■ |
| • Auto power boost | ■ | ■ | ■ | ■ | ■ |
| **UNDERCARRIAGE** | **936F DM** | **930F** | **936F** | **939F DM** | **942F** |
| • Guard package: HD bottom guard | ■ | ■ | ■ | ■ | ■ |
| • Rollers, bottom - 9 each side | ■ | ■ | ■ | ■ | ■ |
| • Rollers, top - 2 each side | ■ | ■ | ■ | ■ | ■ |
| • Centralized lubrication for swing bearing | ■ | ■ | ■ | ■ | ■ |
| • Towing eye on base frame | ■ | ■ | ■ | ■ | ■ |
| • Guard package: Heavy-duty travel motor guard | ■ | ■ | ■ | ■ | ■ |
| **UPPER STRUCTURE** | **936F DM** | **930F** | **936F** | **939F DM** | **942F** |
| • Frame handrail | ■ | ■ | ■ | ■ | ■ |
| • Punched metal anti-slip plates | ■ | ■ | ■ | ■ | ■ |
| • Foot pedal is in engine room | ■ | ■ | ■ | ■ | ■ |
| • Engine chamber and main pump chamber separated by fire board | ■ | ■ | ■ | ■ | ■ |
| • Side door brace automatically lock | ■ | ■ | ■ | ■ | ■ |
| • Rearview mirror mounted in the RH machine | ■ | ■ | ■ | ■ | ■ |
| • Lockable tool box | ■ | ■ | ■ | ■ | ■ |
| • Grease point in front of platform | ■ | ■ | ■ | ■ | ■ |
| • Counterweight reserved rear view instrument installation | ■ | ■ | ■ | ■ | ■ |
| **DIGGING EQUIPMENT** | **936F DM** | **930F** | **936F** | **939F DM** | **942F** |
| • 6,200 mm boom | ■ | ■ | ■ | ■ | ■ |
| • 6,400 mm boom | ■ | ■ | ■ | ■ | ■ |
| • Arm front end with guard bars | ■ | ■ | ■ | ■ | ■ |
| • Manual centralized lubrication on boom | ■ | ■ | ■ | ■ | ■ |
| • Manual centralized lubrication on arm | ■ | ■ | ■ | ■ | ■ |
| • Hammer pipe support | ■ | ■ | ■ | ■ | ■ |
| • Quick coupler pipe support | ■ | ■ | ■ | ■ | ■ |
| **AIR CONDITIONING SYSTEM** | **936F DM** | **930F** | **936F** | **939F DM** | **942F** |
| • Automatic air conditioner, heater, defroster | ■ | ■ | ■ | ■ | ■ |
| • Refrigerant observation hole on side | ■ | ■ | ■ | ■ | ■ |
| • Wind renewal function | ■ | ■ | ■ | ■ | ■ |
| **SERVICE & MAINTENANCE** | **936F DM** | **930F** | **936F** | **939F DM** | **942F** |
| • Maintenance tool kit | ■ | ■ | ■ | ■ | ■ |
| • Maintenance parts package | ■ | ■ | ■ | ■ | ■ |
| • Data diagnostic port | ■ | ■ | ■ | ■ | ■ |
| • Self-diagnostic system | ■ | ■ | ■ | ■ | ■ |



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# OPTIONAL EQUIPMENT

| ENGINE SYSTEM | 936F DM | 930F | 936F | 939F DM | 942F |
|---|---|---|---|---|---|
| • Electric re-fueling pump with auto shutoff | ■ | ■ | ■ | ■ | ■ |
| • Cold starting kit for -35° C | ■ | ■ | ■ | ■ | ■ |

| HYDRAULIC SYSTEM | 936F DM | 930F | 936F | 939F DM | 942F |
|---|---|---|---|---|---|
| • Hand proportional control auxiliary dual way pipes | ■ | ■ | ■ | ■ | ■ |
| • Hand proportional control auxiliary swing pipes | ■ | – | ■ | ■ | ■ |
| • PTO max flow with monitor 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 | ■ | – | ■ | ■ | ■ |
| • Additional filter for breaker piping | □ | □ | □ | □ | □ |
| • Boom drift function (Use with holding valves) | ■ | ■ | ■ | ■ | ■ |
| • Straight travel  with one pedal | □ | □ | □ | □ | □ |
| • Control pattern-change valve (BHL-SAE) | ■ | ■ | ■ | ■ | ■ |
| • Long-life hydraulic oil (replacement cycle 5000h) | – | ■ | ■ | ■ | ■ |
| • PTO pump pipeline | ■ | – | ■ | ■ | ■ |
| • Hammer piping pipeline | ■ | ■ | ■ | ■ | ■ |

| OPERATOR STATION | 936F DM | 930F | 936F | 939F DM | 942F |
|---|---|---|---|---|---|
| • Openable cab front guard | ■ | – | ■ | ■ | ■ |
| • Cab front guard and top guard  (falling object protective structure) | ■ | – | ■ | ■ | ■ |
| • Transparent cab skylight | ■ | ■ | ■ | ■ | ■ |
| • Sunscreen | ■ | ■ | ■ | ■ | ■ |
| • Front window rain visor | – | ■ | – | – | – |
| • Left armrest box can be reversed | ■ | ■ | ■ | ■ | ■ |
| • 2 alarm mounted bracket on cab roof | ■ | – | ■ | ■ | ■ |

| ELECTRICAL SYSTEM | 936F DM | 930F | 936F | 939F DM | 942F |
|---|---|---|---|---|---|
| • Overload warning device | ■ | ■ | ■ | ■ | ■ |
| • Rotating warning light | ■ | – | – | – | – |
| • Travel alarm | – | – | ■ | ■ | ■ |
| • Rotating beacon | ■ | ■ | ■ | ■ | ■ |
| • Quicker-coupler opening warning | ■ | ■ | ■ | ■ | ■ |
| • Starting code | ■ | – | ■ | ■ | ■ |
| • Right platform working light | ■ | ■ | ■ | ■ | ■ |
| • 4 boom working lights | ■ | ■ | ■ | ■ | ■ |
| • 360° view | ■ | ■ | ■ | ■ | ■ |



LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area.

| | | | | | |
|---|---|---|---|---|---|
| • Machine rear lighting | ■ | ■ | ■ | ■ | ■ |
| • Work lights: separately installed LED in front and rear cab (4 front and 2 rear) | – | ■ | – | – | – |
| • Work lights: long strip LED light in front and rear cab | ■ | – | ■ | ■ | ■ |
| • Capability to electrically connect beacon | ■ | ■ | ■ | ■ | ■ |
| • 12V power supply | ■ | ■ | ■ | ■ | ■ |

| **UNDERCARRIAGE** | **936F DM** | **930F** | **936F** | **939F DM** | **942F** |
|---|---|---|---|---|---|
| • 942F undercarriage (Length to center of Rollers 4,250 mm, Track Gauge 2,740 mm) | – | – | – | – | ■ |
| • Heavy duty undercarriage (Length to center of Rollers 4,140 mm,Track Gauge 2,590 mm) | ■ | ■ | ■ | ■ | – |
| • 600 mm track-shoes with triple grousers | □ | □ | □ | □ | □ |
| • 700 mm track-shoes with triple grousers | ■ | ■ | ■ | ■ | ■ |
| • 800 mm track-shoes with triple grousers | □ | □ | □ | □ | □ |
| • 900 mm track-shoes with triple grousers | □ | □ | □ | □ | □ |
| • Auxiliary tarck footrest | ■ | ■ | ■ | ■ | ■ |
| • 2 piece track guards (each side) | ■ | ■ | ■ | ■ | – |
| • 3 piece track guards (each side) | □ | □ | □ | □ | – |
| • Full length track guiding guard | – | – | – | – | ■ |

| **UPPER STRUCTURE** | **936F DM** | **930F** | **936F** | **939F DM** | **942F** |
|---|---|---|---|---|---|
| • Guard rails of upper frame sides | ■ | ■ | ■ | ■ | ■ |
| • Guard fence of upper frame around | ■ | – | ■ | ■ | ■ |
| • Assembly Upper frame guard | ■ | – | – | ■ | ■ |
| • Standard frame undercover | – | ■ | – | – | – |
| • Reinforced frame undercover | ■ | – | ■ | ■ | ■ |
| • 5,800 kg counterweight | – | ■ | – | – | – |
| • 6,700 kg counterweight | ■ | – | – | – | – |
| • 7,700 kg counterweight | – | – | ■ | – | – |
| • 8,500 kg counterweight | – | – | – | ■ | – |
| • 9,000 kg counterweight | – | – | – | – | ■ |

| **DIGGING EQUIPMENT** | **936F DM** | **930F** | **936F** | **939F DM** | **942F** |
|---|---|---|---|---|---|
| • 2,600 mm short reach arm | ■ | ■ | □ | □ | □ |
| • 2,900 mm short reach arm | – | – | □ | □ | □ |
| • 3,050 mm arm | ■ | – | – | – | – |
| • 3,200 mm arm | – | – | ■ | ■ | ■ |
| • Bucket cylinder rod protect | – | – | – | ■ | ■ |
| • 1.4 $m^3$ general bucket | – | – | – | – | – |
| • 1.6 $m^3$ general bucket | – | – | – | – | – |
| • 1.8 $m^3$ general bucket | – | – | – | – | – |
| • 2.0 $m^3$ general bucket (need 2600mm arm or 2900mm arm) | – | – | – | – | – |
| • Hydraulic quick coupler | – | – | – | – | – |

| **SERVICE & MAINTENANCE** | **936F DM** | **930F** | **936F** | **939F DM** | **942F** |
|---|---|---|---|---|---|
| • iLink | ■ | ■ | ■ | ■ | ■ |



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