HD HYUNDAI CONSTRUCTION EQUIPMENT INDIA


HD Hyundai Construction Equipment India Pvt. Ltd.

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SEP 2025

# R220LS SMART X PLUS




* Design aesthetics & features may vary from actual

**OPERATING WEIGHT: 22000 kgs** | **GROSS POWER : 148 HP @ 2000 rpm** | **BUCKET CAPACITY: 0.87 - 1.2 $m^3$**

HD HYUNDAI CONSTRUCTION EQUIPMENT INDIA

# DESIGNED FOR SMART WORK

# R220LS SMART X PLUS

## BEST-IN-CLASS PERFORMANCE

- Cyclonic Air Precleaner NEW
- Wide Range of Bucket NEW
- Advanced CAPO System
- Hydraulic Flow Summation
- Swing Priority
- Regeneration System
- Excellent Digging Forces

## OPERATOR COMFORT

- Bluetooth FM Radio NEW
- Removable Type Floor Mat NEW
- LED Working Lamps NEW
- Spacious Cabin
- Fully Adjustable Seat
- Enhanced Visibility
- User Friendly Functionality

## INCREASED MACHINE DURABILITY

- Superior Lubrication and Wear Protection NEW
- Polymer Shim NEW
- Stub Adapter NEW
- Strengthend Undercarriage
- Proven Upper Structure
- Forged Ring Body
- Reinforced Front Attachment




## IMPROVED FUEL EFFICIENCY

- New ECO Mode
- Fuel Saving Kit
- Electro Hydraulic System
- Auto Deceleration System
- Efficient Breaker Mode

## SIMPLIFIED MAINTENANCE

- Fuel Filler Pump* NEW
- Easy Serviceability
- Extended Maintenance
- Large Capacity Fluid Tank
- Low Life Cycle Cost

## PARTS & SUPPORT

- Remote Management System (Hi-Mate)
- Hyundai Genuine Parts
- Max Parts Availability
- On-Site Product Support

## ENHANCED SAFETY

- Emergency Shutdown Switch* NEW
- Turbocharge Guard NEW
- Cabin Top Guard* NEW
- Beacon Lamp* NEW
- Swing Lock* NEW
- Seat Belt*

( * Optional )

# PERFORMANCE

## PRIDE AT WORK

Hyundai construction equipment strives to build state-of-the art earthmoving equipment to give every operator maximum performance, more precision, versatile machine preferences, and proven quality. New technologies designed to improve performance and precision, make the Hyundai excavator smooth, fast and easy to control. Take pride in your work with Hyundai !



## ENGINE

The water cooled, 4 cycle diesel, 6 cylinder in line, direct injection turbocharged, charge air cooled engine is built for power, reliability, efficiency and reduced emissions.

The engine is manufactured to perform in wide range of heat, humidity and dust conditions without compromising productivity.




# R220LS SMART X PLUS







## HYDRAULIC SYSTEM

Electro hydraulic control system provides wide range of flow at various workloads for paramount productivity.

Open center design of Main Control Valve (MCV) ensures fast response and maximum efficiency in tough conditions.



## CHARGE AIR COOLER

- Cools the air as it passes through turbocharger
- Resulting in cool high density, bigger mass of air being pumped to engine
- Increasing the burning efficiency

## CHOICE OF OPERATING MODE

| Working Mode | Advantage |
|---|---|
| P Mode | • Maximum Power<br>• Fast Cycle time |
| S Mode | • Balance between power and fuel efficiency |
| Eco Mode | • Better fuel efficiency |
| Breaker Mode | • Sets pump flow to optimal level and boosts efficiency |



## EFFICIENT COMBINED OPERATION

Inbuild flow summation system and Swing priority function leads to faster swing cycle results in excellent output



## BEST-IN-CLASS TRAVEL PERFORMANCE

- Higher traction force
- Dual travel option
- High maneuverability

**Traction Force : 21100 kgf**



## DIGGING FORCES

Higher output even in tough working conditions

- **Bucket - 15700 kgf**
- **Arm - 12600 kgf**

# FUEL EFFICIENCY



## IMPROVED FUEL EFFICIENCY

Advanced CAPO System, Newly Designed CMCU, Power & Working Mode options results in excellent fuel efficiency.

## FUEL SAVING KIT

- Monitor undue load and cut down losses.
- Provides better fuel efficiency

## NEGATIVE FLOW CONTROL

Optimum balance between pump and engine output for better fuel efficiency



## ONE TOUCH IDLE & AUTO DECELERATION

Prevents fuel losses by reducing engine rpm during no-load condition

## EXCLUSIVE BREAKER MODE

Excellent fuel saving due to exclusive power for breaker operation





## ARM REGENERATION SYSTEM

- Smooth Operation
- Prevent Cavitation
- Increased Performance & Fuel Efficiency




### INSTRUMENT PANEL

The user-friendly multi language option cluster making it easy to check all critical systems like

- Hydraulic oil temperature,
- Coolant temperature
- Fuel level
- Self diagnostic checks
- Maintenance management

to optimizing productivity needs ensuring fuel efficiency

# OPERATOR COMFORT

## OPERATOR DELIGHT

More space, better visibility, powerful air-conditioning and adjustable fully suspension seat, easy to access controls ensure that the operator can work for longer hours without stress or fatigue in the comfortable and safe working environment.

360 degree visibility, fully open sunroof, added side lamp & mirror ensure comfortable, safe working environment.






### OPERATOR SEAT

- Easily adjustable fully suspension seat with adjustable arm rest
- Operator seat belt

### SPACIOUS CABIN

- More head room, large space, large door for easy entry and exit

### REMOVABLE TYPE FLOOR MAT



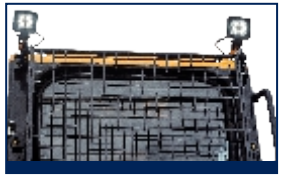
### AIR CONDITIONER

- High Performance Air Conditioner
- Improved AC Ducting
- Water Bottle Cooling System



- AC Front Vent
- Hour Meter
- 24V Socket

### LED LAMP NEW



### SUN VISOR (OPTIONAL)



### INTEGRATED AUDIO SYSTEM WITH BLUETOOTH NEW



# RELIABILITY



## REINFORCED FRONT STRUCTURE

Use of specialized advance steel plates and reinforced design for higher strength and durability

## HEAVY DUTY BUCKET WITH STUB ADAPTER NEW

## ULTIMATE RELIABILITY



Reinforced idler frame



Lower frame belly guard



1 pc cast H link



Reinforced bucket link





HD TRACK LINK



ROCK GUARD

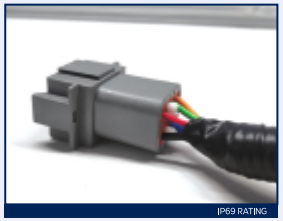


TANK SAFETY COVER



## SWING & TRAVEL SYSTEM

Highly efficient Hyundai designed swing and travel system ensure maximum reliability and performance.




## RELIABLE ELECTRICALS

- Dust and water proof connectors
- Longer component life




## AIR PRE-CLEANER NEW

- Removes dirt and Debris from air before entering air filter
- Improves air filter life
- Low maintenance cost

## RUGGED UNDERCARRIAGE

X frame provides excellent resistance to torsional bending to enhance structure life



# SERVICEABILITY

## LEADING SERVICE INTERVAL

More efficient cooling system which extend service intervals , minimize operating cost and reduce machine down time.

| CHANGE INTERVAL | |
|---|---|
| Hydraulic oil | 5000 hrs |
| Hydraulic filter | 1000 hrs |
| Engine oil | 500 hrs |
| Engine Filter | 500 hrs |



## IMPROVED COOLING EFFICIENCY

- Radiator and oil cooler are arranged side by side to maximize efficiency
- Easily accessible from ground level to clean



## LARGE LCD MONITOR

Operator can check the machine's vital signs without any difficulties

- **Maintenance Management**
  Proactive maintenance
- **Self Diagnostic**
  Reduces down time
- **Warning Indicator**
  Ensures safe working

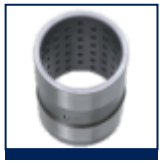
## DURABLE MOUNTING PIN BUSH



## FUEL FILLER PUMP NEW



## DIMPLE BUSH NEW



## HINGED TYPE FRONT GLASS GUARD FOR EASY CLEANING

## EASY ACCESSIBILITY

Easy access for maintenance means regular checks get done faster. Hyundai's SMART X PLUS machines feature easy service access to increase uptime and reduce operating costs.



# SAFETY

## SAFETY - PEACE OF MIND AND OPERATOR CONFIDENCE

Cabin is integrally welded with low-stress using high strength steel to provide enhanced protection.
Handrails and steps are provided for easy operation. Engine fan guard avoid chances of accidental injury.








### COUNTER BALANCE VALVE

Works as a hydrostatic brake and prevents machine against accidental roll down in steep gradients.



### BOOM & ARM HOLDING SYSTEM

Prevent attachments from drifting against gravity due to prolonged overhanging.



### ANTI RESTART FUNCTION

Prevents starter from damage during engine operation



### BATTERY DISCONNECT SWITCH

Cut off power during maintenance and protect batteries from excessive drain



### AUTO ENGINE OVERHEAT PREVENTION

Auto Deceleration with activation of engine overheat warning to avoide catastrophic failure



### EMERGENCY SHUTDOWN SWITCH NEW

Stop the excavator's operation in case of an emergency



### TURBOCHARGE GUARD NEW

Safety During Maintenance



### GREASE NIPPLE WITH CAP NEW



### POSITIVE LOCKING CLAMP NEW



### FIRE EXTINGUISHER NEW

# PARTS & SUPPORT

## HYUNDAI GENUINE PARTS

Developed in synergy with our machines, Hyundai parts and lubricants ensure that you get the high levels of performance, reliability and safety that come with the complete Hyundai experience.

### WHY RISK IT?

Maximize profits and extend your machine's life.








### BENEFITS OF USING GENUINE HYUNDAI PARTS AND LUBRICANTS

- Genuine Hyundai Parts meet strict specifications and standards in Chemistry, Microstructure and Tensile Strength.
- Benefit from the continuous improvements and advancements made by Hyundai's technical team
- Improved performance of hydraulics and engine components
- Enjoy greater productivity with higher uptime
- Higher resale values
- Reduced oil consumption and unexpected breakdowns
- Enhanced component life




# HI-MATE

## REMOTE MANAGEMENT SYSTEM

Our unique Remote Management System allows customers to access machine operating information 7 obtain service & maintenanance alerts at the touch of a button.

## INCREASED PRODUCTIVITY

HI MATE empowers you to enhance the efficiency of your operations. make better decisions by comparing the machine's operating time with its travelling, idling & breaker use duration.

## CONVENIENT & EASY MONITORING

Enjoy round the clock & on the move access to your machine's information through the website or the mobile app.



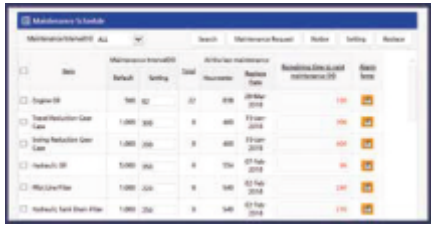

FLEET MONITORING MAP



DAILY REPORT

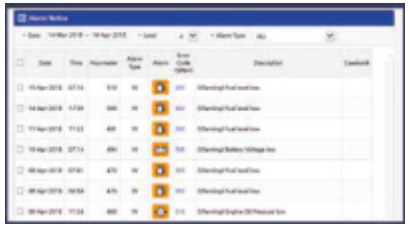
## SECURITY & FLEET MONITORING

Protect your machines from theft or unauthorized use. HI MATE's GPS feature allows you to create a geo-fence & alerts you if the machine moves out of the defined boundary.



## PROACTIVE MAINTENANCE

Access your machine's service & maintenance history with the utmost convenience. Plan your service schedules intelligently with our regular reminders.



## ALARMS

Get notified of system alarms & protect your machine from critical faults & experience repairs.

# SPECIFICATION

### Engine

| Maker/Model | | | Cummins6BTAA-5.9C |
|---|---|---|---|
| Rated flywheel horse power | SAE | J1995 (Gross)<br>J1349 (Net) | 148HP (110KW) @2000rpm<br>145HP (108KW) @2000rpm |
| Max Torque | | | 63.7kgf.m(461 lb.ft) @1300rpm |
| Displacement | | | 5880cc |

### Hydraulic System

| Main pump | |
|---|---|
| Type | Two variable displacement piston pumps |
| Max. flow | 2x220 lpm |
| Sub-pump for pilot ciruit | Gear pump |
| Cross-sensing & fuel saving pump system | |

### Hydraulic Motors

| | |
|---|---|
| Travel | Two speed axis piston motor with counter balance valve and parking brake |
| Swing | Axial piston motor with automatic brake |

### Relief Valve Settings

| | |
|---|---|
| Implement Circuit | 330kgf/cm² |
| Travel | 330kgf/cm² |
| Swing Circuit | 240kgf/cm² |
| Pilot Circuit | 35kgf/cm² |
| Service valve | Installed |

### Coolant & Lubricant Capacity

| REFILLING | LITER |
|---|---|
| Fuel tank | 340 |
| Engine coolant | 35 |
| Engine oil | 21 |
| Swing device | 5 |
| Final drive (each) | 6.0 |
| Hydraulic system / Hydraulic tank | 280/150 |

### Drives & Brakes

| | |
|---|---|
| Drive method | Fully hydrostatic type |
| Drive motor | Axial piston motor in-shoe design |
| Reduction system | Planetary reduction gear |
| Max.drawbar pull | 21100kgf (46500 lbf) |
| Max.travel speed (high/low) | 5.3kmph/3.4kmph |
| Gradeability | 35 Degree (70%) |
| Parking brake | Multi wet disc |

### Undercarriage

X-Leg type centre frame is integrally welded with reinforced box section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing spring and sprockets and trackchain with triple grouse shoes.

| | |
|---|---|
| Centre frame | X-leg type |
| Track frame | Pentagonal box type |
| No. of shoes on each side | 49 |
| No. of carrier rollers each side | 2 |
| No. of track rollers each side | 9 |
| No. of rail guard each side | 2 |

### Swing System

| | |
|---|---|
| Swing motor | Axial piston motor |
| Swing reduction | Planetary gear reduction |
| Swing bearing lubrication | Grease bathed |
| Swing brake | Multi wet disc |
| Swing speed | 11 rpm |

### Operating Weight

| Shoe Width mm (in) | Operating weight kg (lb) | Ground pressure kgf/cm2 (psi) |
|---|---|---|
| 600 mm (24") | 22,000 (48,502) | 0.47 (6.68) |

### Dimensions (mm)

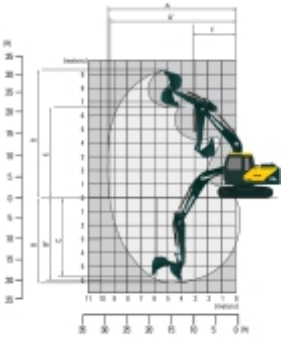


| | | |
|---|---|---|
| A | Tumbler distance | 3640 |
| B | Overall distance of crawler | 4440 |
| C | Ground clearance of counter weight | 1060 |
| D | Tail swing radius | 2845 |
| D' | Rear-end length | 2770 |
| E | Overall width of upper structure | 2700 |
| F | Overall height of cabin | 2920 |
| G | Min. ground clearance | 480 |
| H | Track gauge | 2390 |
| I | Overall length | 9610 |
| J | Overall height of boom | 3210 |
| K | Track shoe width | 600 |
| L | Overall width | 2990 |

# SPECIFICATION

## Working Ranges (mm)

| Arm length | | 2000 | *2400 | 2920 |
|---|---|---|---|---|
| A | Max. digging reach | 9,105 (29'10") | 9,481 (31'1") | 9,957 (32'8") |
| A' | Max. digging reach on ground | 8,933 (29'4") | 9,315 (30'7") | 9,800 (32'2") |
| B | Max. digging depth | 5,840 (19'2") | 6,240 (20'6") | 6,760 (22'2") |
| B' | Max. diggign depth(8ft level) | 5,599 (18'4") | 6,031 (19'9") | 6,580 (21'7") |
| C | Max. Vertical wall digging depth | 4,765 (15'8") | 5,159 (16'11") | 5,797 (19'0") |
| D | Max. digging height | 9,030 (29'8") | 9,245 (30'4") | 9,499 (31'2") |
| E | Max. dumping height | 6,250 (20'6") | 6,462 (21'2") | 6,700 (21'12") |
| F | Min. swing radius | 3,789 (12'5") | 3,680 (12'1") | 3,696 (12'2") |

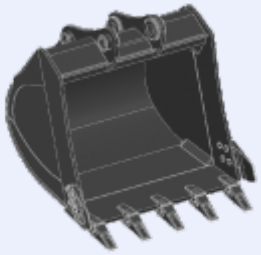


| | |
|---|---|
| Bucket Digging Force | 15700 kgf |
| Arm Crowd Force(2.4m) | 12600 kgf |

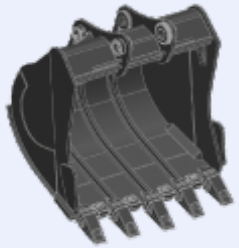
## BUCKETS

All buckets are welded with high-strength steel.

### GENERAL PURPOSE



### HEAVY DUTY



| Capacity - $M^3$ | | | Width - mm | Weight - kg | Tooth EA | Recommendation | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | 5.68m Boom | | |
| | | | | | | 3.8T CWT | | |
| Bucket Type | SAE Heaped | CECE heaped | | | | 2.0m Arm | 2.4m Arm | 2.92m Arm |
| GP | 0.92 | 0.81 | 1032 | 738 | 5 | ● | ● | ● |
| GP | 1.00 | 0.88 | 1116 | 797 | 5 | ● | ● | ● |
| GP | 1.05 | 0.92 | 1132 | 803 | 5 | ● | ● | ■ |
| GP | 1.20 | 1.05 | 1283 | 802 | 5 | ● | ■ | ■ |
| HD | 0.87 | 0.76 | 1147 | 974 | 5 | ● | ● | ● |
| HD | 0.92 | 0.81 | 1041 | 1033 | 5 | ● | ● | ● |
| HD | 0.95 | 0.83 | 1091 | 1063 | 5 | ● | ● | ■ |
| HD | 1.10 | 0.96 | 1256 | 1127 | 5 | ● | ■ | ■ |

● : Applicable for materials with density of ≤ 2,000 kg/$m^3$
■ : Applicable for materials with density of ≤ 1,600 kg/$m^3$
▲ : Applicable for materials with density of ≤ 1,100 kg/$m^3$

# SPECIFICATION

## ATTACHMENT

Boom and arm are of all-welded with a low-stress, full-box section desing. 5.68m (18'8") mono boom and 2.m (6'7"), 2.4m (7',10") 2.92m(9'7") Arm are availble. Buckets are all-welded, high-steel implements.

| Arm | Length | mm(ft.in) | 2,000 (6'7") | *2,400 (7'10") | 2,920 (9'7") |
|---|---|---|---|---|---|
| | Weight | kg(lb) | 614 (1,354) | 718 (1,583) | 735 (1,620) |
| Bucket Digging Force | SAE | kN | 133 | 133 | 134 |
| | | kgf | 13,600 | 13,600 | 13,600 |
| | | lbf | 30,000 | 30,000 | 30,100 |
| | ISO | kN | 154 | 154 | 155 |
| | | kgf | 15,700 | 15,700 | 15,800 |
| | | lbf | 34,700 | 34,700 | 34,800 |
| Arm Crowd Force | SAE | kN | 140 | 118 | 99 |
| | | kgf | 14,300 | 12,000 | 10,100 |
| | | lbf | 31,500 | 26,400 | 22,300 |
| | ISO | kN | 148 | 123 | 103 |
| | | kgf | 15,100 | 12,600 | 10,500 |
| | | lbf | 33,200 | 27,700 | 23,200 |

Note: *Standard arm

# LIFTING CAPACITIES

## LIFTING CAPACITIES R220 LS SMART PLUS

Rating over-front  Rating over-side

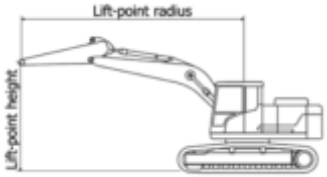
| Boom type | Length[mm] | Arm type | | Length[mm] | | BK type | | Capa.[m³] | | CWT[kg] | | Shoe(wheel)[mm] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GP | 5680 | GP | | 2000 | | GP | | 1.05 | | 3800 | | 600 |
| Lift-point height (m/ft) | | Lift-point radius | | | | | | | | | | At max. reach |
| | | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | 7.5m (24.6ft) | | Capacity | | Reach |
| | | | | | | | | | | | | m(ft) |
| 7.5m | kg | | | | | | | | | *5,280 | *5,280 | 4.94 |
| 24.6ft | lb | | | | | | | | | *11,640 | *11,640 | (16.2) |
| 6.0m | kg | | | | | *5,010 | 4,530 | | | *5,070 | 4,140 | 6.32 |
| 19.7ft | lb | | | | | *11,050 | 9,990 | | | *11,180 | 9,130 | (20.7) |
| 4.5m | kg | | | *6,300 | *6,300 | *5,310 | 4,410 | | | *5,090 | 3,330 | 7.12 |
| 14.8ft | lb | | | *13,890 | *13,890 | *11,710 | 9,720 | | | *11,220 | 7,340 | (23.4) |
| 3.0m | kg | | | | | *5,970 | 4,180 | 5,160 | 2,980 | 5,110 | 2,960 | 7.54 |
| 9.8ft | lb | | | | | *13,160 | 9,220 | 13,380 | 6,570 | 11,270 | 6,530 | (24.7) |
| 1.5m | kg | | | | | *6,640 | 3,970 | 5,070 | 2,900 | 4,930 | 2,820 | 7.64 |
| 4.9ft | lb | | | | | *14,640 | 8,750 | 11,180 | 6,390 | 10,870 | 6,220 | (25.1) |
| 0.0m | kg | | | *9,660 | 5,720 | 6,930 | 3,850 | | | 5,070 | 2,890 | 7.44 |
| 0.0ft | lb | | | *21,300 | 12,610 | 15,280 | 8,490 | | | 11,180 | 6,370 | (24.4) |
| -1.5m | kg | | | *9,410 | 5,730 | 6,910 | 3,830 | | | 5,660 | 3,200 | 6.90 |
| -4.9ft | lb | | | *20,750 | 12,630 | 15,230 | 8,440 | | | 12,480 | 7,050 | (22.6) |
| -3.0m | kg | *11,430 | 11,300 | *8,420 | 5,860 | | | | | *6,090 | 4,010 | 5.95 |
| -9.8ft | lb | *25,200 | 24,910 | *18,560 | 12,920 | | | | | *13,430 | 8,840 | (19.5) |
| -4.5m | kg | | | | | | | | | | | |
| -14.8ft | lb | | | | | | | | | | | |

| Boom type | Length[mm] | Arm type | | Length[mm] | | BK type | | Capa.[m³] | | CWT[kg] | | Shoe(wheel)[mm] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GP | 5680 | GP | | 2400 | | GP | | 1.05 | | 3800 | | 600 |
| Lift-point height (m/ft) | | Lift-point radius | | | | | | | | | | At max. reach |
| | | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | 7.5m (24.6ft) | | Capacity | | Reach |
| | | | | | | | | | | | | m(ft) |
| 7.5m | kg | | | | | | | | | *4,790 | *4,790 | 5.51 |
| 24.6ft | lb | | | | | | | | | *10,560 | *10,560 | (18.1) |
| 6.0m | kg | | | | | *4,570 | *4,570 | | | *4,670 | 3,700 | 6.77 |
| 19.7ft | lb | | | | | *10,080 | *10,080 | | | *10,300 | 8,160 | (22.2) |
| 4.5m | kg | | | *5,750 | *5,750 | *4,950 | 4,420 | *4,710 | 3,050 | *4,720 | 3,040 | 7.52 |
| 14.8ft | lb | | | *12,680 | *12,680 | *10,910 | 9,740 | *10,380 | 6,720 | *10,410 | 6,700 | (24.7) |
| 3.0m | kg | | | *7,380 | 6,330 | *5,650 | 4,170 | *4,920 | 2,970 | 4,720 | 2,710 | 7.92 |
| 9.8ft | lb | | | *16,270 | 13,960 | *12,460 | 9,190 | *10,850 | 6,550 | 10,410 | 5,970 | (26.0) |
| 1.5m | kg | | | *8,820 | 5,850 | *6,370 | 3,940 | 5,030 | 2,860 | 4,550 | 2,590 | 8.02 |
| 4.9ft | lb | | | *19,440 | 12,900 | *14,040 | 8,690 | 11,090 | 6,310 | 10,030 | 5,710 | (26.3) |
| 0.0m | kg | | | *9,490 | 5,630 | *6,870 | 3,780 | 4,950 | 2,790 | 4,660 | 2,630 | 7.82 |
| 0.0ft | lb | | | *20,920 | 12,410 | *15,150 | 8,330 | 10,910 | 6,150 | 10,270 | 5,800 | (25.7) |
| -1.5m | kg | *9,920 | *9,920 | *9,430 | 5,600 | 6,810 | 3,730 | | | 5,120 | 2,880 | 7.32 |
| -4.9ft | lb | *21,870 | *21,870 | *20,790 | 12,350 | 15,010 | 8,220 | | | 11,290 | 6,350 | (24.0) |
| -3.0m | kg | *12,160 | 11,010 | *8,690 | 5,700 | *6,370 | 3,810 | | | *5,740 | 3,510 | 6.42 |
| -9.8ft | lb | *26,110 | 24,270 | *19,160 | 12,570 | *14,040 | 8,400 | | | *12,650 | 7,740 | (21.1) |
| -4.5m | kg | *9,320 | *9,320 | *6,590 | 6,000 | | | | | *5,780 | 5,310 | 4.93 |
| -14.8ft | lb | *20,550 | *20,550 | *14,530 | 13,230 | | | | | *12,740 | 11,710 | (16.2) |

# LIFTING CAPACITIES

| Boom type | Length[mm] | Arm type | | Length[mm] | | BK type | | Capa.[m³] | | CWT[kg] | | Shoe(wheel)[mm] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GP | 5680 | GP | | 2920 | | GP | | 1.05 | | 3800 | | 600 | | |
| Lift-point height (m/ft) | | Lift-point radius | | | | | | | | | | At max. reach | | |
| | | 1.5m (4.9ft) | | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | 7.5m (24.6ft) | | Capacity | | Reach |
| | | | | | | | | | | | | | | m(ft) |
| 7.5m | kg | | | | | | | *4,210 | *4,210 | | | *3,550 | *3,550 | 6.19 |
| 24.6ft | lb | | | | | | | *9,280 | *9,280 | | | *7,830 | *7,830 | (20.3) |
| 6.0m | kg | | | | | | | *4,090 | *4,090 | | | *3,260 | *3,260 | 7.33 |
| 19.7ft | lb | | | | | | | *9,020 | *9,020 | | | *7,190 | *7,190 | (24.0) |
| 4.5m | kg | | | | | | | *4,540 | 4,520 | *4,310 | 3,120 | *3,190 | 2,750 | 8.03 |
| 14.8ft | lb | | | | | | | *10,010 | 9,960 | *9,500 | 6,880 | *7,030 | 6,060 | (26.3) |
| 3.0m | kg | | | | | *6,780 | 6,550 | *5,300 | 4,260 | *4,640 | 3,010 | *3,250 | 2,480 | 8.40 |
| 9.8ft | lb | | | | | *14,950 | 14,440 | *11,680 | 9,390 | *10,330 | 6,740 | *7,170 | 5,470 | (27.6) |
| 1.5m | kg | | | | | *8,390 | 6,010 | *6,120 | 4,010 | 5,040 | 2,890 | *3,450 | 2,380 | 8.49 |
| 4.9ft | lb | | | | | *18,500 | 13,250 | *13,490 | 8,840 | 11,110 | 6,370 | *7,610 | 5,250 | (27.9) |
| 0.0m | kg | | | | | *9,340 | 5,710 | *6,730 | 3,820 | 4,950 | 2,790 | *3,820 | 2,410 | 8.31 |
| 0.0ft | lb | | | | | *20,590 | 12,590 | *14,840 | 8,420 | 10,910 | 6,150 | *8,420 | 5,310 | (27.3) |
| -1.5m | kg | *5,890 | *5,890 | *9,640 | *9,640 | *9,510 | 5,620 | 6,820 | 3,740 | 4,920 | 2,760 | *4,490 | 2,600 | 7.84 |
| -4.9ft | lb | *12,990 | *12,990 | *21,250 | *21,250 | *21,050 | 12,390 | 15,040 | 8,250 | 10,850 | 6,080 | *9,900 | 5,730 | (25.7) |
| -3.0m | kg | *10,380 | *10,380 | *13,140 | *10,920 | *9,080 | 5,670 | *6,680 | 3,760 | | | *5,410 | 3,070 | 7.01 |
| -9.8ft | lb | *22,880 | *22,880 | *28,970 | *24,070 | *20,020 | 12,500 | *14,730 | 8,290 | | | *11,930 | 6,770 | (23.0) |
| -4.5m | kg | | | *10,800 | *10,800 | *7,600 | 5,880 | | | | | *5,630 | 4,260 | 5.68 |
| -14.8ft | lb | | | *23,810 | *23,810 | *16,760 | 12,960 | | | | | *12,410 | 9,390 | (18.6) |

Notes:
1. Lifting capacity are based on ISO 10567.
2. Lifting capacity of the Robex Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



# STANDARD OPTIONAL LIST

## Standard Equipment

ISO Standard Cabin
All-weather Steel Cab With All-around Visibility
Safety Glass Windows
Sliding Fold-in Front Window
Sliding Side Window
Air-conditioner (5000 kcal/hr,20000 BTU/hr)
Accessory Box & Ashtray

### Computer Aided Power Optimization (New CAPO) system

3-power Mode,2-work Mode
Auto Deceleration & One Touch Deceleration System
Auto Engine Overheat Prevention System
Self Diagnostic System
Centralized Monitoring
LCD Display
Engine Speed
Clock & Error Code
Mobile Charging Point
Fuel Level Gauge
Engine Coolant Temperature Gauge
Hyd. Oil Temperature Gauge

### Warning

Fuel Level
CPU
Engine Oil Pressure
Engine Coolant Temperature
Hyd. Oil Temperature
Low Battery
Air Cleaner Clogging
Door and Cab Locks, One Key
One Outside Rearview Mirror
Fully Adjustable Suspension Seat
Slidable Joystick Pilot-operated
Two Front Working Lights and Two Cabin Work Lights
LED Working Lamps
Cyclonic Pre Air Cleaner
Removable Type Floor Mat
Electric Horn
Battries ( 2 x 12Vx 100AH )
Battery Master Switch
Removable Clean Out Screen For Oil Cooler
Automatic Swing Brake
Removable Reservoir Tank
24V Power Socket
Fuel Pre-filter
Boom Holding System
Arm Holding System
Counter Weight(3800 kg)
Bluetooth FM Radio/USB player
Mono Boom (5.68m, 18'8")
Arm (2.4m,7'10")
Standard Bucket (1.05 GP $m^3$)
Track Shoes (600mm, 24")
Track Rail Guard
Cabin Front Protector
Operator Kit
Tool Kit
Remote Management System (Hi-Mate)

## Optional Equipment

Beacon Lamp
Single Acting Piping Kit
Sun Visor For Cabin Inside
Fuel Refilling Pump
Travel Alarm
Operator Seat Belt
Emergency Shutdown Switch
Cabin Top Guard
Swing Lock
Fire Extinguisher
12 mm HD Track Chain
**Various Optional Arms**
Arm (2.0 m)
Arm (2.92 m)
**Various Optional Attachments**
Rock Breaker
Clamshell Bucket
Quick Coupler
Orange Grapple

# NOTES