

# R220LS

SMART *PLUS*



Head Office(Sales Office)  
11F, GLOBAL R&D CENTER, 477 BUNDANG SUSEO-RO, BUNDANG-GU, SEONGNAM-SI, GYEONGGI-DO, 13553, KOREA

PLEASE CONTACT

2025. FEB

OPERATING WEIGHT  
22000kgs

GROSS POWER  
148 HP @ 2000 rpm

BUCKET CAPACITY  
0.95~1.05m<sup>3</sup>



# DESIGNED FOR SMART WORK

# R220LS

**SMART** *plus*

## BEST-IN CLASS PERFORMANCE

- Advanced CAPO system
- Hydraulic flow summation
- Regeneration system
- Excellent digging forces
- Swing priority



## OPERATOR COMFORT

- Spacious cabin
- Fully adjustable seat
- Enhanced visibility
- User friendly functionality



## IMPROVED FUEL EFFICIENCY

- New ECO mode
- Fuel saving kit
- Electro hydraulic system
- Auto deceleration system
- Efficient breaker mode



## INCREASED MACHINE DURABILITY

- Strengthened undercarriage
- Proven upper structure
- Forged ring body
- Reinforced front attachment



## SIMPLIFIED MAINTENANCE

- Easy serviceability
- Extended maintenance
- Large capacity fluid tank
- Low life cycle cost



## PARTS & SUPPORT

- Hyundai genuine parts
- Max parts availability
- On-site product support
- Remote management system (Hi-Mate)





# RELIABILITY



## REINFORCED FRONT STRUCTURE

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

## 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 & performance.



## RELIABLE ELECTRICALS

- Dust and water proof connectors
- Longer component life



## AIR PRE-CLEANER

- 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 <b>New!</b> |
| Engine Filter    | 500 hrs <b>New!</b> |



## IMPROVED COOLING EFFICIENCY

- Radiator and oil cooler are arranged in line 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



**New!**

Hinged type front glass guard for easy cleaning

## EASY ACCESSIBILITY

Easy access for maintenance means regular checks get done faster. Hyundai's SMART 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 avoid catastrophic failure

# 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. Enjoy the confidence and assurance of the most stringent testing procedures and the high quality manufacturing processes safeguarding your machine's health. Experience the versatility of our 200+ strong outlet network across India

### 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





Our Unique remote management system allows customers to access machine operating information & obtain service & maintenance 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.



### 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.

| Item                        | Maintenance Interval | Default | Setting | Total | Hours | Replace Date | Replacement Date | Alert |
|-----------------------------|----------------------|---------|---------|-------|-------|--------------|------------------|-------|
| Engine Oil                  | 500                  | 500     | 22      | 500   | 500   | 20-Mar-2018  | 20-Mar-2018      | 100%  |
| Travel Reduction Gear Case  | 1,000                | 300     | 0       | 400   | 400   | 15-Mar-2018  | 15-Mar-2018      | 50%   |
| Swing Reduction Gear Case   | 1,000                | 200     | 0       | 400   | 400   | 15-Mar-2018  | 15-Mar-2018      | 50%   |
| Hydraulic Oil               | 5,000                | 500     | 0       | 154   | 154   | 07-Feb-2018  | 07-Feb-2018      | 5%    |
| Pilot Line Filter           | 1,000                | 220     | 0       | 540   | 540   | 02-Feb-2018  | 02-Feb-2018      | 28%   |
| Hydraulic Tank Drain Filter | 1,000                | 350     | 0       | 540   | 540   | 02-Feb-2018  | 02-Feb-2018      | 28%   |

### PROACTIVE MAINTENANCE

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

| Date        | Time  | Parameter | Alarm Type | Alarm Code | Description                      | Caution |
|-------------|-------|-----------|------------|------------|----------------------------------|---------|
| 15-Apr-2018 | 07:16 | 810       | W          | 301        | Warning! Fuel level low          |         |
| 16-Apr-2018 | 17:30 | 809       | W          | 301        | Warning! Fuel level low          |         |
| 11-Apr-2018 | 11:23 | 491       | W          | 301        | Warning! Fuel level low          |         |
| 10-Apr-2018 | 07:14 | 484       | W          | 301        | Warning! Fuel level low          |         |
| 09-Apr-2018 | 07:41 | 476       | W          | 301        | Warning! Fuel level low          |         |
| 08-Apr-2018 | 06:58 | 476       | W          | 301        | Warning! Fuel level low          |         |
| 08-Apr-2018 | 11:34 | 469       | W          | 312        | Warning! Engine Oil Pressure low |         |

### ALARMS

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

# SPECIFICATIONS

#### Engine

|                            |                   |                              |                                                    |
|----------------------------|-------------------|------------------------------|----------------------------------------------------|
| Maker/Model                |                   | Cummins6BTAA-5.9C            |                                                    |
| Rated flywheel horse power | SAE               | J1995 (Gross)<br>J1349 (Net) | 148 HP (110KW) @2000rpm<br>145 HP (108KW) @2000rpm |
| Max Torque                 | 63.7gfm @1300 rpm |                              |                                                    |
| Displacement               | 5800cc            |                              |                                                    |

#### Hydraulic System

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Main pump                               |                                        |
| Type                                    | Two variable displacement piston pumps |
| Max. flow                               | 2x220 lpm                              |
| Sub-pump for pilot circuit              | 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/cm <sup>2</sup> |
| Travel            | 330kgf/cm <sup>2</sup> |
| Swing Circuit     | 240kgf/cm <sup>2</sup> |
| Pilot Circuit     | 35kgf/cm <sup>2</sup>  |
| Service valve     | Installed              |

#### Coolant & Lubricant Capacity

|                                   |           |
|-----------------------------------|-----------|
| REFILLING                         | LITER     |
| Fuel tank                         | 340       |
| Engine coolant                    | 25.5      |
| Engine oil                        | 21        |
| Swing device                      | 5         |
| Final drive (each)                | 5.8       |
| Hydraulic system / Hydraulic tank | 260 / 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

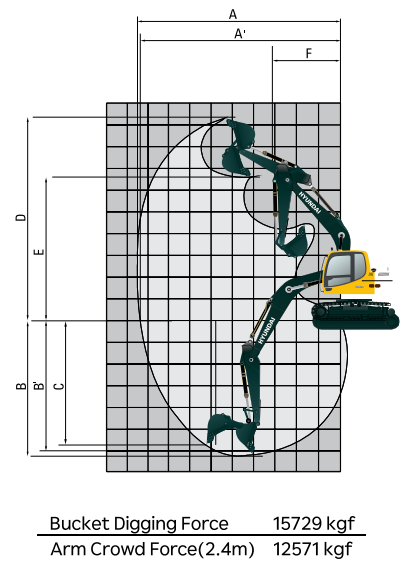
|                    |                          |                                           |
|--------------------|--------------------------|-------------------------------------------|
| Shoe Width mm (in) | Operating weight kg (lb) | Ground pressure kgf/cm <sup>2</sup> (psi) |
| 600 mm (24")       | 22,000 (48,502)          | 0.47 (6.68)                               |

#### Dimensions

| Dimension | Value (mm)                         |      |
|-----------|------------------------------------|------|
| A         | Tumbler distance                   | 3640 |
| B         | Overall length of crawler          | 4440 |
| C         | Ground clearance of counter weight | 1060 |
| D         | Tail swing radius                  | 2830 |
| 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                     | 9570 |
| J         | Overall height of boom             | 3110 |
| K         | Track shoe width                   | 600  |
| L         | Overall width                      | 2990 |

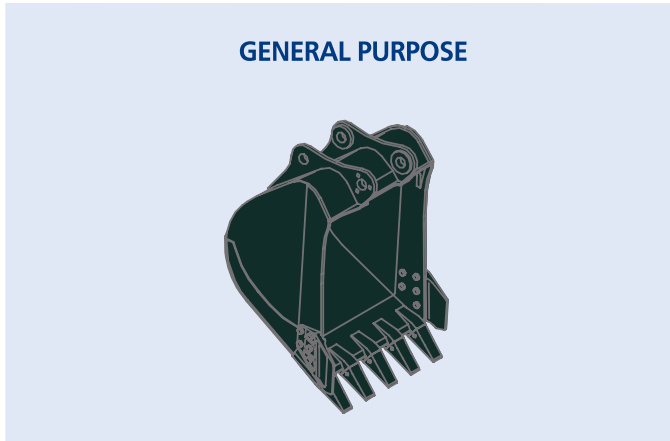
# SPECIFICATIONS

| Working Ranges (mm) |                                  |               |               |              |
|---------------------|----------------------------------|---------------|---------------|--------------|
| Arm length          |                                  | 2000          | *2400         | 2920         |
| A                   | Max. digging reach               | 9,105(29'10") | 9,474(31'1")  | 9,945(32'8") |
| A'                  | Max. digging reach on ground     | 8,928(29'4")  | 9,305(30'6")  | 9,783(32'1") |
| B                   | Max. digging depth               | 5,680(18'8")  | 6,079(19'11") | 6,600(21'8") |
| B'                  | Max. diggign depth(8ft level)    | 5,448(17'11") | 5,876(19'3")  | 6,424(21'1") |
| C                   | Max. Vertical wall digging depth | 4,743(15'7")  | 5,094(16'9")  | 5,726(18'9") |
| D                   | Max. digging height              | 9,225(30'3")  | 9,433(30'11") | 9,685(31'9") |
| E                   | Max. dumping height              | 6,424(21'1")  | 6,635(21'9")  | 6,873(22'7") |
| F                   | Min. swing radius                | 3,759(12'4")  | 3,573(11'9")  | 3,508(11'6") |



## BUCKETS

All buckets are welded with high-strength steel.



| Capacity - M³ |            |             | 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        | 1148       | 758         | 5        | ●              | ●        | ●         |
| GP            | 1.20       | 1.06        | 1398       | 790         | 5        | ■              | ■        | ▲         |
| GP            | 1.00       | 0.88        | 1232       | 797         | 5        | ●              | ●        | ■         |
| GP            | 1.05       | 0.92        | 1248       | 803         | 5        | ●              | ■        | ■         |
| HD            | 0.87       | 0.77        | 1147       | 926         | 5        | ●              | ●        | ■         |
| HD            | 0.92       | 0.81        | 1220       | 978         | 5        | ●              | ●        | ■         |
| HD            | 0.95       | 0.84        | 1270       | 1056        | 5        | ●              | ●        | ■         |
| HD            | 1.10       | 0.97        | 1435       | 1112        | 5        | ■              | ■        | ▲         |

- : Applicable for materials with density of 2,100 kg/m³ (3,500 lb/yd³) or less  
● : Applicable for materials with density of 1,800 kg/m³ (3,000 lb/yd³) or less
- : Applicable for materials with density of 1,500 kg/m³ (2,500 lb/yd³) or less  
▲ : Applicable for materials with density of 1,200 kg/m³ (2,000 lb/yd³) or less  
x : Not Recommended

# SPECIFICATIONS

## 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(97") Arm are available. Buckets are all-welded, high-steel implements.

|                      | Length | mm(ft.in) | 2,000 (6'7") | *2,400 (7'10") | 2,920 (9'7") |
|----------------------|--------|-----------|--------------|----------------|--------------|
| Arm                  | Weight | kg(lb)    | 614 (1,354)  | 718 (1,583)    | 735 (1,620)  |
| Bucket Digging Force | SAE    | kN        | 133          | 133            | 134          |
|                      |        | kgf       | 13,591       | 13,596         | 13,646       |
|                      |        | lbf       | 29,963       | 29,973         | 30,084       |
|                      | ISO    | kN        | 154          | 154            | 155          |
|                      |        | kgf       | 15,724       | 15,729         | 15,788       |
|                      |        | lbf       | 34,666       | 34,677         | 34,806       |
| Arm Crowd Force      | SAE    | kN        | 140          | 118            | 99           |
|                      |        | kgf       | 14,290       | 11,995         | 10,111       |
|                      |        | lbf       | 31,504       | 26,445         | 22,292       |
|                      | ISO    | kN        | 148          | 123            | 103          |
|                      |        | kgf       | 15,065       | 12,571         | 10,543       |
|                      |        | lbf       | 33,213       | 27,715         | 23,244       |

Note: Arm weight includes cylinder and linkage  
\*Standard arm

LIFTING CAPACITIES

LIFTING CAPACITIES R215 SMART PLUS



Rating over-front



Rating over-side

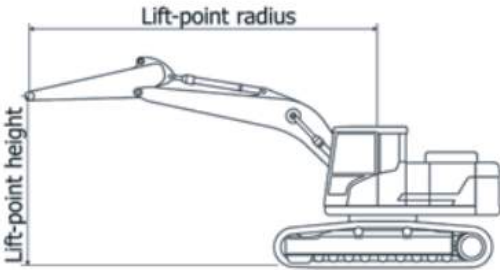
| Boom type                   | Length[mm] | Arm type          | Length[mm] | BK type       | Capa.[m³] | QC            | Swing Post | CWT[kg]       | Shoe(wheel) | Outrigger[F]  | Outrigger[R] | Cabin type |
|-----------------------------|------------|-------------------|------------|---------------|-----------|---------------|------------|---------------|-------------|---------------|--------------|------------|
| GP                          | 5680       | GP                | 2000       | GP            | 1.05      | NO            | NO         | 3800          | 600[mm]     | NONE          | NONE         | CABIN      |
| Lift-point height<br>(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         |                   |            |               |           |               |            |               |             | *5,520        | *5,520       | 4.97       |
| 24.6ft                      | lb         |                   |            |               |           |               |            |               |             | *12,170       | *12,170      | (16.3)     |
| 6.0m                        | kg         |                   |            |               |           | *5,200        | 4,530      |               |             | *5,250        | 4,120        | 6.33       |
| 19.7ft                      | lb         |                   |            |               |           | *11,460       | 9,990      |               |             | *11,570       | 9,080        | (20.8)     |
| 4.5m                        | kg         |                   |            | *6,590        | *6,590    | *5,500        | 4,410      |               |             | *5,230        | 3,340        | 7.13       |
| 14.8ft                      | lb         |                   |            | *14,530       | *14,530   | *12,130       | 9,720      |               |             | *11,530       | 7,360        | (23.4)     |
| 3.0m                        | kg         |                   |            |               |           | *6,150        | 4,190      | 5,280         | 3,000       | 5,230         | 2,970        | 7.54       |
| 9.8ft                       | lb         |                   |            |               |           | *13,560       | 9,240      | 11,640        | 6,610       | 11,530        | 6,550        | (24.7)     |
| 1.5m                        | kg         |                   |            |               |           | *6,780        | 3,990      | 5,190         | 2,930       | 5,050         | 2,850        | 7.64       |
| 4.9ft                       | lb         |                   |            |               |           | *14,950       | 8,800      | 11,440        | 6,460       | 11,130        | 6,280        | (25.1)     |
| 0.0m                        | kg         |                   |            | *9,740        | 5,770     | *7,120        | 3,880      |               |             | 5,210         | 2,920        | 7.43       |
| 0.0ft                       | lb         |                   |            | *21,470       | 12,720    | *15,700       | 8,550      |               |             | 11,490        | 6,440        | (24.4)     |
| -1.5m                       | kg         |                   |            | *9,370        | 5,790     | *6,980        | 3,870      |               |             | 5,830         | 3,240        | 6.89       |
| -4.9ft                      | lb         |                   |            | *20,660       | 12,760    | *15,390       | 8,530      |               |             | 12,850        | 7,140        | (22.6)     |
| -3.0m                       | kg         | *10,990           | *10,990    | *8,230        | 5,930     |               |            |               |             | *5,960        | 4,070        | 5.93       |
| -9.8ft                      | lb         | *24,230           | *24,230    | *18,140       | 13,070    |               |            |               |             | *13,140       | 8,970        | (19.4)     |
| -4.5m                       | kg         |                   |            |               |           |               |            |               |             |               |              |            |
| -14.8ft                     | lb         |                   |            |               |           |               |            |               |             |               |              |            |

| Boom type                   | Length[mm] | Arm type          | Length[mm] | BK type       | Capa.[m³] | QC            | Swing Post | CWT[kg]       | Shoe(wheel) | Outrigger[F]  | Outrigger[R] | Cabin type |
|-----------------------------|------------|-------------------|------------|---------------|-----------|---------------|------------|---------------|-------------|---------------|--------------|------------|
| GP                          | 5680       | GP                | 2400       | GP            | 1.05      | NO            | NO         | 3800          | 600[mm]     | NONE          | NONE         | CABIN      |
| Lift-point height<br>(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         |                   |            |               |           |               |            |               |             | *5,000        | *5,000       | 5.53       |
| 24.6ft                      | lb         |                   |            |               |           |               |            |               |             | *11,020       | *11,020      | (18.1)     |
| 6.0m                        | kg         |                   |            |               |           | *4,770        | 4,570      |               |             | *4,840        | 3,700        | 6.78       |
| 19.7ft                      | lb         |                   |            |               |           | *10,520       | 10,080     |               |             | *10,670       | 8,160        | (22.2)     |
| 4.5m                        | kg         |                   |            | *6,050        | *6,050    | *5,150        | 4,420      | *4,850        | 3,060       | *4,850        | 3,040        | 7.52       |
| 14.8ft                      | lb         |                   |            | *13,340       | *13,340   | *11,350       | 9,740      | *10,690       | 6,750       | *10,690       | 6,700        | (24.7)     |
| 3.0m                        | kg         |                   |            | *7,650        | 6,330     | *5,830        | 4,180      | *5,040        | 2,980       | 4,830         | 2,730        | 7.92       |
| 9.8ft                       | lb         |                   |            | *16,870       | 13,960    | *12,850       | 9,220      | *11,110       | 6,570       | 10,650        | 6,020        | (26.0)     |
| 1.5m                        | kg         |                   |            | *9,030        | 5,870     | *6,530        | 3,950      | 5,150         | 2,880       | 4,670         | 2,610        | 8.01       |
| 4.9ft                       | lb         |                   |            | *19,910       | 12,940    | *14,400       | 8,710      | 11,350        | 6,350       | 10,300        | 5,750        | (26.3)     |
| 0.0m                        | kg         |                   |            | *9,600        | 5,680     | *6,970        | 3,810      | 5,080         | 2,810       | 4,790         | 2,660        | 7.81       |
| 0.0ft                       | lb         |                   |            | *21,160       | 12,520    | *15,370       | 8,400      | 11,200        | 6,190       | 10,560        | 5,860        | (25.6)     |
| -1.5m                       | kg         | *9,680            | *9,680     | *9,430        | 5,660     | *6,970        | 3,770      |               |             | 5,280         | 2,920        | 7.30       |
| -4.9ft                      | lb         | *21,340           | *21,340    | *20,790       | 12,480    | *15,370       | 8,310      |               |             | 11,640        | 6,440        | (24.0)     |
| -3.0m                       | kg         | *11,800           | 11,130     | *8,540        | 5,770     | *6,260        | 3,860      |               |             | *5,650        | 3,560        | 6.40       |
| -9.8ft                      | lb         | *26,010           | 24,540     | *18,830       | 12,720    | *13,800       | 8,510      |               |             | *12,460       | 7,850        | (21.0)     |
| -4.5m                       | kg         |                   |            | *6,220        | 6,070     |               |            |               |             | *5,490        | 5,420        | 4.89       |
| -14.8ft                     | lb         |                   |            | *13,710       | 13,380    |               |            |               |             | *12,100       | 11,950       | (16.0)     |

LIFTING CAPACITIES

| Boom type                   | Length[mm] | Arm type          | Length[mm] | BK type      | Capa.[m³] | QC            | Swing Post | CWT[kg]       | Shoe(wheel) | Outrigger[F]  | Outrigger[R] | Cabin type    |        |
|-----------------------------|------------|-------------------|------------|--------------|-----------|---------------|------------|---------------|-------------|---------------|--------------|---------------|--------|
| GP                          | 5680       | GP                | 2920       | GP           | 1.05      | NO            | NO         | 3800          | 600[mm]     | NONE          | NONE         | CABIN         |        |
| Lift-point height<br>(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      |        |
|                             |            |                   |            |              |           |               |            |               |             |               |              |               |        |
| 7.5m                        | kg         |                   |            |              |           |               |            | *4,400        | *4,400      |               |              | *3,840        | *3,840 |
| 24.6ft                      | lb         |                   |            |              |           |               |            | *9,700        | *9,700      |               |              | *8,470        | *8,470 |
| 6.0m                        | kg         |                   |            |              |           |               |            | *4,290        | *4,290      |               |              | *3,550        | 3,290  |
| 19.7ft                      | lb         |                   |            |              |           |               |            | *9,460        | *9,460      |               |              | *7,830        | 7,250  |
| 4.5m                        | kg         |                   |            |              |           |               |            | *4,750        | 4,510       | *4,460        | 3,120        | *3,480        | 2,770  |
| 14.8ft                      | lb         |                   |            |              |           |               |            | *10,470       | 9,940       | *9,830        | 6,880        | *7,670        | 6,110  |
| 3.0m                        | kg         |                   |            |              |           | *7,060        | 6,540      | *5,500        | 4,260       | *4,780        | 3,020        | *3,560        | 2,500  |
| 9.8ft                       | lb         |                   |            |              |           | *15,560       | 14,420     | *12,130       | 9,390       | *10,540       | 6,660        | *7,850        | 5,510  |
| 1.5m                        | kg         |                   |            |              |           | *8,620        | 6,030      | *6,290        | 4,020       | *5,160        | 2,900        | *3,780        | 2,400  |
| 4.9ft                       | lb         |                   |            |              |           | *19,000       | 13,290     | *13,870       | 8,860       | *11,380       | 6,390        | *8,330        | 5,290  |
| 0.0m                        | kg         |                   |            | *5,110       | *5,110    | *9,490        | 5,750      | *6,850        | 3,850       | 5,080         | 2,810        | *4,190        | 2,440  |
| 0.0ft                       | lb         |                   |            | *11,270      | *11,270   | *20,920       | 12,680     | *15,100       | 8,490       | 11,200        | 6,190        | *9,240        | 5,380  |
| -1.5m                       | kg         | *5,680            | *5,680     | *9,430       | *9,430    | *9,600        | 5,670      | 7,010         | 3,780       | 5,050         | 2,790        | 4,770         | 2,640  |
| -4.9ft                      | lb         | *12,520           | *12,520    | *20,790      | *20,790   | *21,160       | 12,500     | 15,450        | 8,330       | 11,130        | 6,150        | 10,520        | 5,820  |
| -3.0m                       | kg         | *10,230           | *10,230    | *12,880      | 11,040    | *9,000        | 5,730      | *6,630        | 3,810       |               |              | *5,370        | 3,130  |
| -9.8ft                      | lb         | *22,550           | *22,550    | *28,400      | 24,340    | *19,840       | 12,630     | *14,620       | 8,400       |               |              | *11,840       | 6,900  |
| -4.5m                       | kg         |                   |            | *10,310      | *10,310   | *7,340        | 5,940      |               |             |               |              | *5,460        | 4,360  |
| -14.8ft                     | lb         |                   |            | *22,730      | *22,730   | *16,180       | 13,100     |               |             |               |              | *12,040       | 9,610  |

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



# STANDARD / OPTIONAL LIST

# NOTES

## 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 (5000kcal/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                        |
| Dual channel fully adjustable suspension seat      |
| Slidable joystick, pilot-operated                  |
| Two front working lights and two cabin work lights |
| Electric horn                                      |
| Batteries (2 x 12V x 100 AH)                       |
| 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 (3800kg)               |
| Radio / USB player                    |
| Mono boom (5.68m, 18' 8")             |
| Arm (2.4m, 7' 10") 2.m(6'7"),         |
| Standard bucket (1.05GP m³, 1.37 yd³) |
| Track shoes (600mm, 24")              |
| Track rail guard                      |
| Cabin front protector                 |
| Operator kit                          |
| Tool kit                              |
| Remote management system (HI-MATE)    |

## Optional Equipment

|                            |
|----------------------------|
| Fuel Refilling Pump        |
| Beacon lamp                |
| Single acting piping kit   |
| Sun visor for cabin inside |

## Various optional Arms (SAE heaped)

|                                    |
|------------------------------------|
| Arm 2.0 m (6'7") & 2.92 m, (9'7")  |
| Remote management system (Hi-Mate) |
| Travel alarm                       |
| Operator seat belt                 |
| Fire extinguisher                  |
| Rock Breaker                       |