

# HYDRAULIC EXCAVATOR C X 160 B



### POWER AND SPEED

The CX160B has an advanced hydraulic system with three working modes to match power and speed to every application. This reduces fuel consumption and maximises productivity. The excavator benefits from increased digging forces, slew speeds and high swing torque resulting in reduced cycle times. The Tier III common rail engine offers increased fuel efficiency and engine output, reducing operating costs and improving cost per tonne performance. Combined with the advanced hydraulic system, customers can achieve significant fuel savings, boosting profitability.

Maximum production. Reduced operating cost.



### SAFE OPERATION

The CX160B's cab has floor to roof glazing for improved visibility all round. The cab structure is three times more rigid than a conventional frame, increasing safety for the operator. A single piece side window provides an exceptional view to the right side of the machine. Smooth responsive controls, an easy to use operating console and comfortable seating reduce operator fatigue, further boosting productivity and site safety.

Enhanced safety. Increased production.

### **ERGONOMIC ENVIRONMENT**

With up to 60 mm of additional leg and foot space, this compact Case is a comfortable machine. Up to 60 % more glass area contributes to that spacious feeling, and with a reclining seat and air conditioning with multiple vents any operator will be able to stay comfortable in the CX160B. A hot/cold storage box, a cup holder and even a mobile phone pocket are standard equipment, along with and large storage area behind the operator's seat.

storage area behind the operator's seat.

The operating lever consoles have four positions with auto return to selected position on left hand side, ensuring optimum comfort for the operator. In addition viscous cab mountings reduce vibration and noise within the cab.

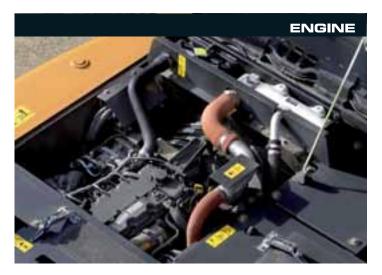
Operator satisfaction. Productive machine.



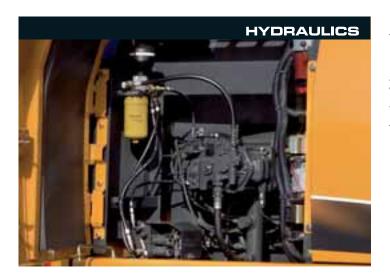
### **ECONOMICAL OPERATION**

The Case CX160B is equipped with a larger fuel tank complete with high flow auto-stop refuelling pump. This reduces downtime for refuelling and ensures that there is no fuel spillage onto sensitive ground. Up to two days working between fuel stops, can be achieved, increasing cost per litre productivity. Extended Maintenance System (EMS) bushes provide 1,000 hour greasing intervals on the majority of pins and low friction side shims on the boom and dipper further reduce maintenance. Coolers are mounted side by side for ease of cleaning and ground level access to a central filter bank reduces service time.

Maximum efficiency. Minimum operating cost.



The CX160B has an electronically-controlled common rail engine that exceeds Tier III emissions regulations. Advanced four valve design includes a fuel cooler to better control the volume and timing of injection, and exhaust gas recirculation to reduce emissions. Low engine speed, large capacity driven fan and low large exhaust system contribute to lower noise levels. Auto and one-touch idle speed settings allows the operator to control the engine for maximum efficiency. High output with reduced fuel consumption, contributes to maximum productivity for the customer



Highly efficient piston pumps with improved tolerances contribute to improved fuel economy. The CX160B uses a variable control pump torque system to align engine output with hydraulic demand, ensuring high productivity and smooth reaction to operator input. A Super Fine synthetic fibre hydraulic filter is standard, protecting valuable components and prolonging hydraulic oil service life. Additional filters are no longer necessary when operating the machine with a hydraulic attachments, cutting cost for the customer. The machine features hose burst control valves that are now located behind the boom cylinders for greater protection and improved operator visibility to the working area.



Mode selection for the hydraulic system is controlled through an advanced engine throttle control, which is positioned within the fully adjustable right hand console. All switches are grouped in a central layout and short servo lever joysticks make the CX160B an easy machine to operate. A clear display console, complete with luminosity sensor, is easy to read whatever the ambient light conditions. Up to 10 auxiliary hydraulic flow settings are stored in the machine's advanced hydraulic control, making it possible to use up to 10 attachments with no manual adjustment to the machine's hydraulic valves. This increases productivity and reduces downtime for attachment changeover.





Case CXB excavators achieve the lowest possible score with the SAE Maintenance score system, reducing downtime and service cost. All filters are remote mounted in a central position, providing ground level access for maintenance and reducing service times. The larger fuel tank has both a drain valve and a removable service plate, to allow for easy cleaning in the case of fuel contamination. A green engine oil drainer cuts out the risk of spillage during draining, protecting the environment. The high-flow electric refuelling pump is twice as fast as previous models and the auto-stop function makes refilling easier.

Centralised greasing is available as an option on the CX160B.



Long undercarriage life reduces ownership costs. The CX160B uses heat treated drive sprockets for extended reliability. Robust track guides and improved track links, with new M shaped seals and increased pin hardness, further boost durability and reduce track wear. The machine's track rollers have an O-ring design that prevents the ingress of dirt and dust, and a revised profile for lower wear.



EMS chrome plated pins with brass bushing



Antifriction shims

Extended Maintenance Bushings (EMS) are standard equipment on all CXB excavators. These low maintenance bushings provide up to 1,000 hour greasing intervals, greatly reducing daily and weekly maintenance for the operator. Anti-friction shims in the boom foot and head reduce noise and cut free play, boosting durability and reliability for the customer.

# **ATTACHMENTS/BUCKETS**

CX160B customers can choose from a variety of main booms and dipper arms to suit different applications, all of which are constructed of heavy duty steel box section with internal baffles to increase torsional rigidity. Deep groove welding ensures that the booms and arms can withstand the stress of high breakout forces, heavy lifting and attachments such as hydraulic breakers, compactors, demolition shears and crushers. With a different choice of booms and dipper sticks, along with a range of buckets from 0.27m³-0.95 m³, there is a configuration to meet the requirements of every customer's job site.







### **SPECIFICATIONS**

### **ENGINE**

Latest generation engine, meeting European requirements for "Low exhaust emissions" Tier III in accordance with directive 97/68/EC ISUZU Al-4JJ1X Type \_\_\_ Common rail, turbo, intercooler, fuel cooler EGR (Exhaust Gas Recirculator)\_\_\_\_ Yes \_Electronically controlled Direct injection \_\_\_\_\_ Number of cylinders\_\_\_\_\_ 95.4 x 104.9 mm Bore - Stroke\_ Cubic capacity\_ \_\_3000cc Horsepower EEC80/1269 \_\_\_89.2kW/120hp @ 2200 rpm Maximum Torque \_\_\_\_\_ \_\_\_\_\_391 Nm @ 1800 rpm

### **HYDRAULIC SYSTEM**

| Max output                          | _2 x 142 l/min @ 2200rpm    |
|-------------------------------------|-----------------------------|
| 2 axial piston, variable flow pumps | Yes                         |
| Attachment/Power Boost              | 343/363 bar                 |
| Upperstructure swing                | 279 bar                     |
| Travel                              | 343 bar                     |
| Oil filtration                      | 6 micron                    |
| Type of oil filterSynthetic         | fiber Super fine High catch |
|                                     |                             |

### **SWING**

| Max upperstructure swing speed | 11,5 | rpm |
|--------------------------------|------|-----|
| Swing torque                   | 4510 | daN |

### **TRAVEL**

| The travel circuit is equipped with axial piston, variable | e flow motors |
|--|---------------|
| Max travel speed   | 5.4 km/h      |
| Low travel speed   | 2.8 km/h      |
| Speed change is controlled from the instrument             | panel         |
| Automatic downshifting                                     | Yes           |
| Gradeability   | 70% (35°)     |
| Tractive force   | 16 100 daN    |

### **ELECTRICAL SYSTEM**

| Circuit                                    |       | 24 V          |
|--|-------|---------------|
| Batteries                                  | 2>    | 12 V - 72 A/h |
| Circuit equipped with water-proof connecto | ors _ | Yes           |
| Alternator                                 |       | 24 V - 50 Amp |
|  |       | ·             |

### **UNDERCARRIAGE**

| Upper rollers            | 2                   |
|--------------------------|---------------------|
| Lower rollers            | 7                   |
| Number of track pads     | 44                  |
| Type of shoes            | Triple grouser      |
| Track pad width Standard | 600 mm              |
| Track guard              | Front and 1 central |
|                          |                     |

### **CIRCUIT AND COMPONENT CAPACITIES**

| Fuel tank                            | 300 I |
|--------------------------------------|-------|
| Hydraulic reservoir                  | 90 I  |
| Hydraulic system                     | 165 l |
| Travel reduction gear (per side)     | 4.5 I |
| Swing reduction gear                 | 5 I   |
| Engine oil (including filter change) | 17 I  |
| Engine cooling system                | 15 I  |
|                                      |       |

### **BUCKETS**

### **GENERAL PURPOSE**

| SAE capacity |    | 270 | 390 | 570 | 660 | 750  | 850  | 950  |
|--------------|----|-----|-----|-----|-----|------|------|------|
| Width        | mm | 500 | 600 | 800 | 900 | 1000 | 1100 | 1200 |
| Weight       | kg | 350 | 385 | 455 | 495 | 525  | 550  | 590  |

### **HEAVY DUTY**

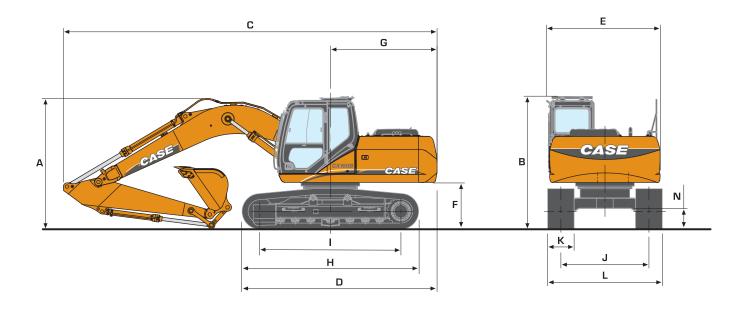
| SAE capacity | 1  | 660 | 750  | 850  | 950  |
|--------------|----|-----|------|------|------|
| Width        | mm | 900 | 1000 | 1100 | 1200 |
| Weight       | kg | 555 | 590  | 625  | 665  |

 $<sup>^{\</sup>star}$  For other bucket sizes, please contact your CASE dealer



# **GENERAL DIMENSIONS**

WITH 5.15 m STANDARD MONOBOOM



|   |     | C         | X160B Mon | 0         |
|---|-----|-----------|-----------|-----------|
| DIPPER LENGTH                           |     | 2.23      | 2.62      | 3.05      |
| A Overall height (with attachment) m    |     | 3.00      | 2.96      | 3.12      |
| B Height (cab/handrail) m               |     | 2.93/2.95 | 2.93/2.95 | 2.93/2.95 |
| C Overall lenght (with attachment) m    |     | 8.49      | 8.44      | 8.52      |
| D Overall lenght (without attachment) m |     | 4.41      | 4.41      | 4.41      |
| ■ Width of upperstructure m             |     | 2.54      | 2.54      | 2.54      |
| F Upperstructure ground clearance m     |     | 1.02      | 1.02      | 1.02      |
| Swing radius (rear end) m               |     | 2.41      | 2.41      | 2.41      |
| H Track overall lenght m                |     | 3.99      | 3.99      | 3.99      |
| Centre idler to centre sprocket m       |     | 3,19      | 3.19      | 3.19      |
| J Track gauge m                         |     | 1.99      | 1.99      | 1.99      |
| K Track shoe width standard mi          | n 📗 | 600       | 600       | 600       |
| L Track overall width - 500 mm shoes m  |     | 2.49      | 2.49      | 2.49      |
| - 600 mm shoes m                        |     | 2,59      | 2.59      | 2.59      |
| - 700 mm shoes m                        |     | 2.69      | 2.69      | 2.69      |
| N Ground clearance m                    |     | 0.44      | 0.44      | 0.44      |

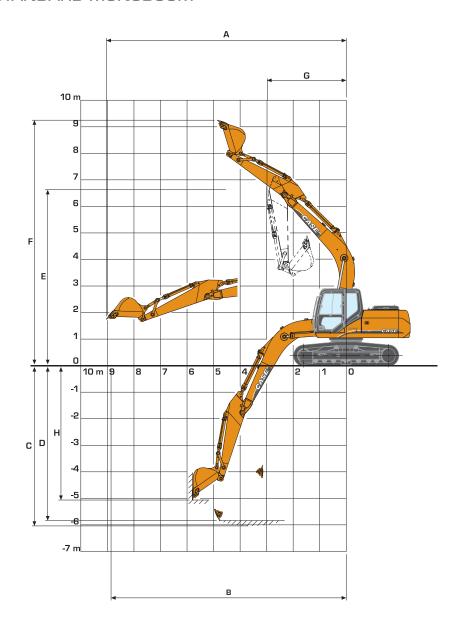
# **WEIGHT AND GROUND PRESSURE**

With 5.15 m standard monoboom 2.62 m dipper -484 kg, 0.62 m³ bucket, operator and full fuel tank

| WEIGHT (kg) | GROUND<br>PRESSURE (bar) |
|-------------|--------------------------|
|             |                          |

| operator and ran raor tarik |        |      |
|-----------------------------|--------|------|
| shoes 500 mm steel          | 16 000 | 0.47 |
| shoes 600 mm steel          | 17 000 | 0.40 |
| shoes 700 mm steel          | 17 400 | 0.35 |

# PERFORMANCE DATA WITH 5.15 m STANDARD MONOBOOM



| <b>DIPPER LENGTH</b>         |                     |     | 2.23   | 2.62   | 3.05   |
|------------------------------|---------------------|-----|--------|--------|--------|
| A Maximum digging rea        | ich                 | m   | 8.67   | 9.04   | 9.38   |
| B Maximum digging rea        | ich at ground level | m   | 8.49   | 8.87   | 9,21   |
| C Maximum digging dep        | oth                 | m   | 5.65   | 6.04   | 6.47   |
| Digging depth - 2,44         | m level bottom      | m   | 5.42   | 5.84   | 6.28   |
| E Max dump height            |                     | m   | 6.40   | 6.62   | 6.71   |
| F Overall reach height       |                     | m   | 9.02   | 9.25   | 9.30   |
| <b>G</b> Minimum swing radiu | s - attachment      | m   | 2.98   | 2.99   | 2.98   |
| H Vertical straight wall     | dig depth           | m   | 4.70   | 5.07   | 5.21   |
| Digging force                | - w/o Power Boost   | daN | 9 000  | 7 900  | 7 200  |
|                              | - with Power Boost  | daN | 9 500  | 8 400  | 7 700  |
| Breakout force               | - w/o Power Boost   | daN | 11 200 | 11 200 | 11 200 |
|                              | - with Power Boost  | daN | 11 800 | 11 800 | 11 800 |



### LIFTING CAPACITY

### WITH 5.15 m STANDARD BOOM

Values are expressed in kilos



### 2.23 m dipper 600 mm shoes and bucket of 0.62 m<sup>3</sup> - 484 kg

| 6.0 m  |        |       |       |      |       |      |       |      | 2634* | 2634* | 6.00 |
|--------|--------|-------|-------|------|-------|------|-------|------|-------|-------|------|
| 4.5 m  |        |       |       |      | 5020* | 4707 | 4622* | 2911 | 2605* | 2298  | 6.84 |
| 3.0 m  | 10016* | 8043  | 6448* | 4315 | 4532  | 2749 |       |      | 2739* | 1980  | 7.27 |
| 1.5 m  | 6044*  | 6044* | 6848  | 3936 | 4337  | 2574 |       |      | 3047* | 1852  | 7.38 |
| 0 m    | 7808*  | 6898  | 6586  | 3713 | 4196  | 2448 |       |      | 3207  | 1878  | 7.17 |
| -1.5 m | 11895* | 6926  | 6511  | 3649 | 4147  | 2404 |       |      | 3593  | 2096  | 6.62 |
| -3.0 m | 11625* | 7087  | 6591  | 3717 |       |      |       |      | 4655  | 2708  | 5.62 |
| -4.5 m | 8230*  | 7468  |       |      |       |      |       |      | 6557* | 5063  | 3.82 |

### 2.62 m dipper 600 mm shoes and bucket of 0.62 m<sup>3</sup> - 484 kg

| 6.0 m  |         |      |       |      | 3022* | 3022* |       |      | 1970* | 1970* | 6.46 |
|--------|---------|------|-------|------|-------|-------|-------|------|-------|-------|------|
| 4.5 m  |         |      |       |      | 4263* | 2931  |       |      | 1934* | 1934* | 7.24 |
| 3.0 m  | 8782*   | 8330 | 5952* | 4374 | 4547  | 2758  | 2632* | 1866 | 2014* | 1795  | 7.65 |
| 1.5 m  | 8267*   | 7236 | 6893  | 3967 | 4336  | 2568  | 3032  | 1782 | 2214* | 1680  | 7.76 |
| 0 m    | 8027*   | 6875 | 6582  | 3703 | 4173  | 2423  | 2957* | 1716 | 2592* | 1695  | 7.56 |
| -1.5 m | 10933*  | 6839 | 6463  | 3601 | 4097  | 2355  |       |      | 3231  | 1867  | 7.04 |
| -3.0 m | 12211 * | 6961 | 6501  | 3634 | 4139  | 2392  |       |      | 4033  | 2335  | 6.01 |
| -4.5 m | 9394*   | 7272 | 6259* | 3639 |       |       |       |      | 6222* | 3816  | 4.52 |

### 3.05 m dipper 600 mm shoes and bucket of 0.51 m<sup>3</sup> - 440 kg

| 6.0 m  |         |       |       |      |       |      | 3060* | 3060* | 1817* | 1817* | 6.84 |
|--------|---------|-------|-------|------|-------|------|-------|-------|-------|-------|------|
| 4.5 m  |         |       |       |      | 3894* | 2989 | 2023* | 1972  | 1795* | 1795* | 7.58 |
| 3.0 m  | 7479*   | 7479* | 5406* | 4478 | 4575* | 2804 | 3129* | 1893  | 1873* | 1680  | 7.98 |
| 1.5 m  | 11593*  | 7456  | 6982  | 4040 | 4371  | 2598 | 3047  | 1794  | 2057* | 1571  | 8.08 |
| 0 m    | 8785*   | 6905  | 6614  | 3727 | 4183  | 2430 | 2955  | 1710  | 2397* | 1574  | 7.89 |
| -1.5 m | 10656*  | 6779  | 6444  | 3583 | 4079  | 2337 |       |       | 2981  | 1711  | 7.39 |
| -3.0 m | 12747 * | 6851  | 6438  | 3578 | 4080  | 2337 |       |       | 3617  | 2082  | 6.51 |
| -4.5 m | 10459*  | 7102  | 6605  | 3719 |       |      |       |       | 5480  | 3142  | 5.05 |

Machine in Auto mode

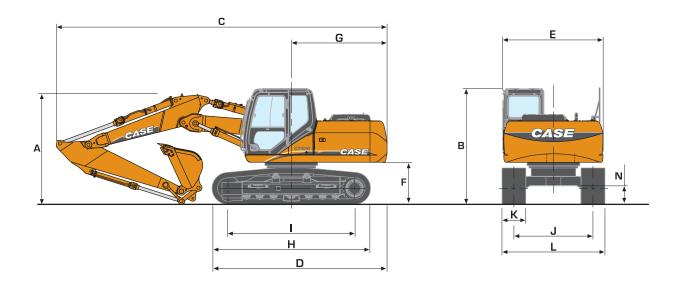
Lift capacities are taken in accordance with SAE J1097/ISO 10567/DIN 15019-2

Lift capacities shown in kg do not exceed 75% of the tipping load or 87% of the hydraulic lift capacity
Capacities that are marked with an asterisk (\*) are hydraulic limited
If the machine is equipped with a quick coupler, subtract the weight of the quick coupler from the load shown in the table to calculate the real lift capacity



# **GENERAL DIMENSIONS**

WITH 4.98 m ARTICULATED BOOM



|                                      |    | CX160     | B Articulate | d boom    |
|--------------------------------------|----|-----------|--------------|-----------|
| DIPPER LENGTH                        |    | 2.23      | 2.62         | 3.05      |
| A Overall height (with attachment)   | m  | 2.76      | 2.79         | 3.02      |
| B Height (cab/handrail)              | m  | 2.93/2.95 | 2.93/2.95    | 2.93/2.95 |
| C Overall lenght (with attachment)   | m  | 8.36      | 8.33         | 8.36      |
| Overall lenght (without attachment)  | m  | 4.41      | 4.41         | 4.41      |
| E Width of upperstructure            | m  | 2.54      | 2.54         | 2.54      |
| F Upperstructure ground clearance    | m  | 1.02      | 1.02         | 1.02      |
| Swing radius (rear end)              | m  | 2.41      | 2.41         | 2.41      |
| H Track overall lenght               | m  | 3.99      | 3.99         | 3.99      |
| Centre idler to centre sprocket      | m  | 3.19      | 3.19         | 3.19      |
| J Track gauge                        | m  | 1.99      | 1.99         | 1.99      |
| K Track shoe width standard          | mm | 600       | 600          | 600       |
| L Track overall width - 500 mm shoes | m  | 2.49      | 2.49         | 2.49      |
| - 600 mm shoes                       | m  | 2.59      | 2.59         | 2.59      |
| - 700 mm shoes                       | m  | 2.69      | 2.69         | 2.69      |
| N Ground clearance                   | m  | 0.44      | 0.44         | 0.44      |

## **WEIGHT AND GROUND PRESSURE**

With 4.98 m articulated boom 2.62 m dipper -484 kg, 0.62 m<sup>3</sup> bucket, operator and full fuel tank

| WEIGHT (kg) | GROUND<br>PRESSURE (bar) |
|-------------|--------------------------|
|             |                          |

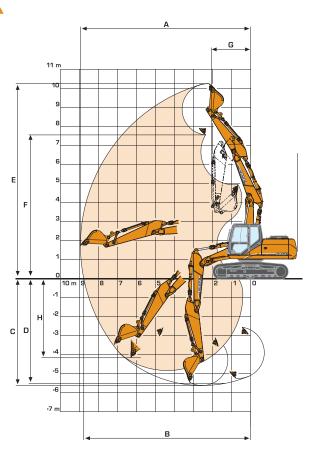
| operator and ran raor tarm |        |      |
|----------------------------|--------|------|
| shoes 500 mm steel         | 17 300 | 0.49 |
| shoes 600 mm steel         | 17 500 | 0.41 |
| shoes 700 mm steel         | 17 900 | 0.36 |



### PERFORMANCE DATA

WITH 4.98 m ARTICULATED BOOM

| DIPPER LENGTH                           |                 | 2.23   | 2.62   | 3.05   |
|---|-----------------|--------|--------|--------|
| A Maximum digging reach                 | m               | 8.57   | 8.95   | 9.31   |
| B Maximum digging reach at ground level | m               | 8.39   | 8.78   | 9.14   |
| C Maximum digging depth                 | m               | 5.24   | 5.62   | 6.03   |
| Digging depth - 2,44 m level bottom     | m               | 5.11   | 5.51   | 5.92   |
| E Max dump height                       | m               | 7.22   | 7.55   | 7.79   |
| F Overall reach height                  | m               | 9.91   | 10.25  | 10.49  |
| 6 Minimum swing radius - attachment     | m               | 2.16   | 2.08   | 2.16   |
| H Vertical straight wall dig depth      | m               | 4.26   | 4.17   | 4.58   |
| Digging force - w∕o Power Bo            | ost <b>daN</b>  | 9 000  | 7 900  | 7 200  |
| - with Power Bo                         | ost <b>daN</b>  | 9 500  | 8 400  | 7 700  |
| Breakout force - w/o Power Bo           | ost da <b>N</b> | 11 200 | 11 200 | 11 200 |
| - with Power Bo                         | ost <b>daN</b>  | 11 800 | 11 800 | 11 800 |



### LIFTING CAPACITY

WITH 4.98 m ARTICULATED BOOM

Values are expressed in kilos

|       |          |          | REACH    |                 |              |   |
|-------|----------|----------|----------|-----------------|--------------|---|
| Front | 3.0 m    | 4.5 m    | 6.0 m    | 7.5 m           | At max reach |   |
| 360°  | <b>₽</b> | <b>"</b> | <b>₽</b> | ļ" <del>†</del> | <b>₩</b> ••• | m |

### 2.23 m dipper 600 mm shoes and bucket of 0.62 m<sup>3</sup> - 484 kg

| 6.0 m  |        |       |       |      | 4610* | 4610* |  | 2990* | 2990* | 5.83 |
|--------|--------|-------|-------|------|-------|-------|--|-------|-------|------|
| 4.5 m  | 6390*  | 6390* | 4930* | 4860 | 3910* | 2960  |  | 2520* | 2280  | 6.78 |
| 3.0 m  | 11330* | 8740* | 5860* | 4690 | 4210* | 2900  |  | 2610* | 1950  | 7.22 |
| 1.5 m  | 13140* | 8370* | 7120  | 4480 | 4500  | 2740  |  | 2850* | 1830  | 7.33 |
| 0 m    | 13850* | 7780  | 7040  | 4160 | 4360  | 2550  |  | 3250  | 1870  | 712  |
| -1.5 m | 14030* | 7420  | 6900  | 3910 | 4220  | 2420  |  | 3670  | 2100  | 6.56 |
| -3.0 m | 12890* | 7360  | 6750  | 3790 |       |       |  | 4090* | 2770  | 5.55 |

### 2.62 m dipper 600 mm shoes and bucket of 0.62 m<sup>3</sup> - 484 kg

| 6.0 m        |        |       | 4030* | 4030* | 2970* | 2970* |       |      | 2050* | 2050* | 6.37 |
|--------------|--------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|
| <b>4.5</b> m | 4590*  | 4590* | 4630* | 4630* | 3690* | 3020  |       |      | 1870* | 1870* | 7:19 |
| 3.0 m        | 9350*  | 8740* | 5450* | 4700  | 3980* | 2950  | 2390* | 1830 | 1910* | 1770  | 7.61 |
| 1.5 m        | 13030* | 8400* | 6970* | 4490  | 4450  | 2800  | 3000* | 1760 | 2070* | 1650  | 7.71 |
| 0 m          | 13690* | 7890  | 7000  | 4190  | 4390  | 2590  | 2460* | 1680 | 2390* | 1680  | 7.51 |
| -1.5 m       | 13890* | 7420  | 6940  | 3940  | 4220  | 2420  |       |      | 2990* | 1870  | 6.99 |
| -3.0 m       | 13640* | 7340  | 6720  | 3750  | 4180* | 2390  |       |      | 4030* | 2370  | 6.05 |

### 3.05 m dipper 600 mm shoes and bucket of 0.51 m<sup>3</sup> - 440 kg

| 6.0 m  |        |       | 3540* | 3540* | 3070* | 3070* |       |       | 1810* | 1810* | 6.81 |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 4.5 m  |        |       | 4130* | 4130* | 3540* | 3130  | 1930* | 1930* | 1760* | 1760* | 7.55 |
| 3.0 m  | 7940*  | 7940* | 5120* | 4790  | 3830* | 3070  | 2890* | 1940  | 1810* | 1700  | 7.95 |
| 1.5 m  | 13160* | 8550  | 6510* | 4580  | 4320* | 2930  | 3120* | 1860  | 1960* | 1590  | 8.05 |
| 0 m    | 13640* | 8170  | 7070  | 4340  | 4450  | 2710  | 3030  | 1760  | 2240* | 1600  | 7.86 |
| -1.5 m | 13910* | 7580  | 7010  | 4030  | 4310  | 2500  |       |       | 2780* | 1760  | 7.36 |
| -3.0 m | 14000* | 7390  | 6790  | 3820  | 4210  | 2410  |       |       | 3750  | 2160  | 6.48 |
| -4.5 m | 10010* | 7370  | 4970* | 3840  |       |       |       |       | 4610* | 3700  | 4.61 |

■Machine in Auto mode ■Lift capacities are taken in accordance with SAE J1097 / ISO 10567 / DIN 15019-2 ■Lift capacities shown in kg do not exceed 75% of the tipping load or 87% of the hydraulic lift capacity ■Capacities that are marked with an asterisk (\*) are hydraulic limited. If the machine is equipped with a quick coupler, subtract the weight of the quick coupler from the load shown in the table to calculate the real lift capacity

# STANDARD EQUIPMENT & OPTIONS

### STANDARD EQUIPMENT

### Engine control

- Common rail engine Tier III European Standards
- Electronic control of the injection system
- Automatic engine pre-heating
- Automatic/manual engine return to idle
- Exhaust Gas Recirculator
- Emergency stop Electrical refuel pump with automatic stop
- Fuel filter with water separator

- Auto/Heavy/Super Power working modes
- Pump torque variable control Automatic Power boost control
- Swing brake control
- High performance "Super Fine" synthetic fiber hydraulic filter (high contamination catch)
- Hydraulic safety valves on boom and dipper
- 2 travel speeds with auto down shifting

- High visibilty cab with safety glass
- Adjustable and retractable armrest console with position memory
- Safety lever
- Self adjusting Air conditioning and heating system
- Cup holder
- High visibility side monitor display with automatic brightness Messages (function, temperature, safety, ...) on the display
- Integrated diagnostic system
- Working modes (Auto/Heavy/Super Power) combined with engine throttle

- Selectable auxiliary hydraulic flow pre-settings
- RH front console with clock and cell phone holder
- High capacity shock absorbers on cab with 4 points fluid mountings
- Rain deflector

- Windscreen with lockable opening Windscreen washer and wiper Removable lower front windscreen with storage location in cab
- Glass cab roof window and slidding sun shade
- ISO control pattern low effort & short joysticks
- Adjustable sun visor

Standard and optional equipment shown can vary by country.

- Washable cab floor mat
- Rear view mirror and safety mirrors
- Storage compartments
- Integrated cool box
- 12V and 24V DC accessory sockets
- Hammer/Shear change selected from the cab Fore & aft adjustment of the whole seat & console

- Water proof connectors
- Double horn

- 2 working light on the cab Working light on the fuel tank Working light on the boom

- EMS (Extended Maintenance System) pins and bushings as Standard (1000 hours lubrication interval for all, except buckets pins at 250 hours)
- Low friction resin side shims on boom and dipper
- Sealed and lubricated tracks
- Track guides (1 guide & front)
- Large tool box
- Pre-disposal for the optional cab protection

- Fully adjustable low frequency mechanical suspension seat including double acting hydraulic damper
- Weight adjustment
- Height/fore & aft adjustment
- Adjustable head rest
- Adjustable seat back angle with fully flat seat reclining
  - Adjustable arm rest
- Safety belt

### OPTIONS

- Bucket/clamshell hydraulic circuit
- Hammer hydraulic circuit
- Hammer/shear hydraulic circuit
- Additional track guides (3 guides & front instead of 1 guide & front)

  Track width (500 mm 600 mm 700 mm depending on the version)
- Windscreen prtection
- Cab protection
- GPS (Global Positioning System) by satellite
- Centralized greasing system automatically actuated by an electrical grease pump

Worldwide Case Construction Equipment Contact Information

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The call is free from a land line. Check in advance with your Mobile Operator if you will be charged.

NOTE: Standard and optional fittings can vary regulations of each country. The illustrations may include optional rather than standard fittings - consult your Case dealer. Furthermore, CNH reserves the right to modify machine specifications without incurring any obligation



Conforms to directive 98/37/CE

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