

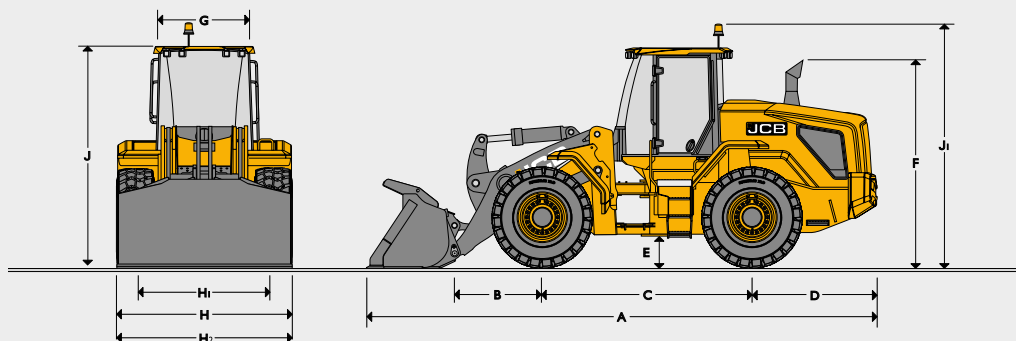


## WHEEL LOADER | 457

Gross engine power: 210kW (282hp)   Operating weight: 19,999kg   Full turn tipping load: 13,470kg   Standard shovel capacity: 3.5m<sup>3</sup>

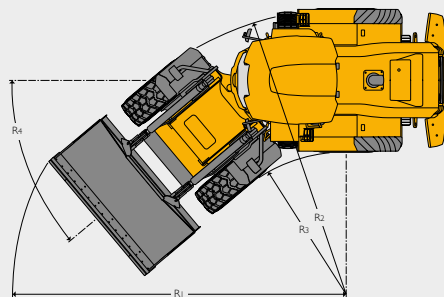


## STATIC DIMENSIONS



|    |                            | 457 HT | 457 HT HL | 457 HT SHL | 457 ZX |
|----|----------------------------|--------|-----------|------------|--------|
| A  | Overall length             | mm     | 8508      | 8950       | 9451   |
| B  | Axle to pivot pin          | mm     | 1577      | 2018       | 1622   |
| C  | Wheel base                 | mm     | 3300      | 3300       | 3300   |
| D  | Axle to counterweight face | mm     | 1971      | 1971       | 1971   |
| E  | Minimum ground clearance   | mm     | 487       | 487        | 473    |
| F  | Height over exhaust        | mm     | 3197      | 3197       | 3224   |
| G  | Width over cab             | mm     | 1600      | 1600       | 1446   |
| H  | Max width over tyres       | mm     | 2698      | 2698       | 2699   |
| H1 | Wheel track                | mm     | 2100      | 2100       | 2100   |
| J  | Height over cab            | mm     | 3427      | 3427       | 3423   |
|    | Pin height (maximum)       | mm     | 4307      | 4750       | 5273   |
|    | Front axle weight          | kg     | 8244      | 8855       | 9801   |
|    | Rear axle weight           | kg     | 11997     | 11697      | 11140  |
|    | Total weight               | kg     | 20240     | 20552      | 20941  |

Data based on machine equipped with direct mounted 3.5 m<sup>3</sup> bucket with toe plate and Michelin 23.5 R25 XHA2 (L3) tyres. HT machines include Heavy Duty counterweight.



|    |                                 | 457 HT  | 457 HT HL | 457 HT SHL | 457 ZX |
|----|---------------------------------|---------|-----------|------------|--------|
| R1 | Maximum turn radius over shovel | mm      | 6527      | 6822       | 6933   |
| R2 | Maximum turn radius over tyre   | mm      | 5883      | 5883       | 5883   |
| R3 | Inside turn radius              | mm      | 3183      | 3183       | 3183   |
| R4 | Articulation angle              | degrees | +/-40     | +/-40      | +/-40  |

## TRANSMISSION

| Type | 5 Speed Non LUC Converter (ZF) |                      |                      |                      | 5 Speed LUC Converter (ZF) *Assumes LUC Engaged |                      |                      |                      |
|------|--------------------------------|----------------------|----------------------|----------------------|-------------------------------------------------|----------------------|----------------------|----------------------|
|      | ZF 5WG210                      |                      |                      |                      | ZF 5WG210 with lock-up                          |                      |                      |                      |
| Gear |                                | Forward Dynamic Mode | Reverse Dynamic Mode | Forward Comfort Mode | Reverse Comfort Mode                            | Forward Dynamic Mode | Reverse Dynamic Mode | Forward Comfort Mode |
| 1    | kph                            | 6.37                 | 6.74                 | 5.44                 | 5.75                                            | 6.02                 | 6.37                 | 5.40                 |
| 2    | kph                            | 11.67                | 12.30                | 10.02                | 10.56                                           | 11.29                | 11.90                | 10.20                |
| 3    | kph                            | 17.77                | 28.17                | 15.21                | 23.36                                           | 17.30                | 28.16                | 15.62                |
| 4    | kph                            | 26.90                |                      | 22.37                |                                                 | 26.75                |                      | 24.13                |
| 5    | kph                            | 38.68                |                      | 31.09                |                                                 | 40.70                |                      | 36.38                |

## ENGINE

|                                          |                                                     |           |  |
|------------------------------------------|-----------------------------------------------------|-----------|--|
| Manufacturer                             | Cummins                                             |           |  |
| Model                                    | B Series                                            |           |  |
| Capacity                                 | litres                                              | 6.7       |  |
| Aspiration                               | Turbo Charged                                       |           |  |
| Cylinders                                | 6                                                   |           |  |
| Max gross power to SAE J1995/ISO 14396   | kW (hp) @ 1900 rpm                                  | 210 (282) |  |
| Rated gross power to SAE J1995/ISO 14396 | kW (hp) @ 2200 rpm                                  | 194 (260) |  |
| Nett power to ISO 9249                   | kW (hp) @ 2200 rpm                                  | 191 (257) |  |
| Max torque                               | Nm @ 1300 rpm                                       | 1350      |  |
| Valves per cylinder                      | 4                                                   |           |  |
| Air cleaner                              | Cyclonic pre filter with engine fan scavenge system |           |  |
| Fan drive type                           | Hydraulically driven cooling fan                    |           |  |
| Emissions                                | EU Stage V, US EPA Tier 4F                          |           |  |

## AXLES

| Type                  | Open differential                  | Limited slip differential          | Open differential with auto-locking front |
|-----------------------|------------------------------------|------------------------------------|-------------------------------------------|
| Make and model        | ZF MT-L 3095 MK 2 (front and rear) | ZF MT-L 3095 MK 2 (front and rear) | ZF MT-L 3095 MK 2 (front and rear)        |
| Overall axle ratio    | 23.334:1                           | 23.334:1                           | 23.334:1                                  |
| Rear axle oscillation | +/-12.5°                           | +/-12.5°                           | +/-12.5°                                  |

All available with open differential, limited slip differential, open differential with auto-locking front.

## ELECTRICAL SYSTEM

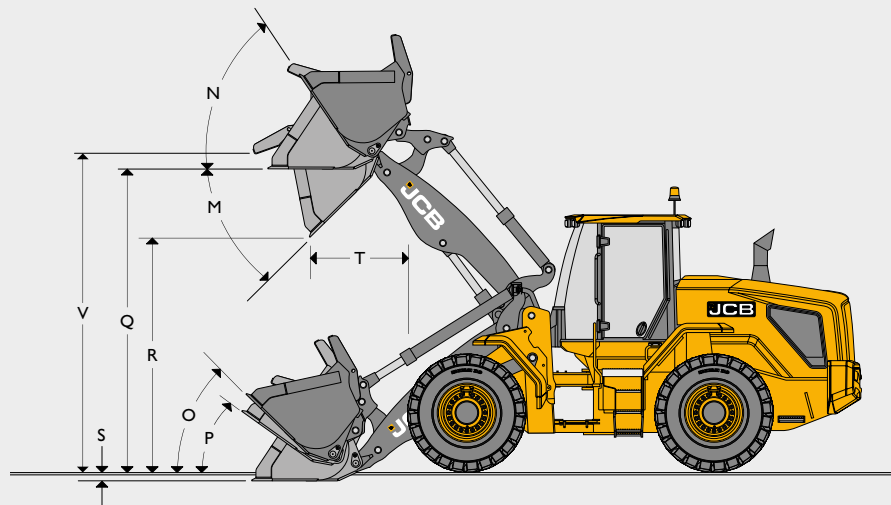
|                   |          |         |
|-------------------|----------|---------|
| System voltage    | Amps     | 24      |
| Alternator output | Amps     | 100     |
| Battery capacity  | Amp hour | 2 x 110 |

## HYDRAULICS

|                         |                       |     |
|-------------------------|-----------------------|-----|
| Pump type               | Variable displacement |     |
| Pump 1 maximum flow     | l/min                 | 153 |
| Pump 1 maximum pressure | bar                   | 220 |
| Pump 2 maximum flow     | l/min                 | 153 |
| Pump 2 maximum pressure | bar                   | 170 |

## Hydraulic cycle times at full engine RPM

|                           |         |      |
|---------------------------|---------|------|
| Arms raise (full bucket)  | Seconds | 5.8  |
| Shovel dump (full bucket) | Seconds | 1.2  |
| Arms lower (empty bucket) | Seconds | 4.1  |
| Total cycle               | Seconds | 11.1 |



## TYRE SIZE

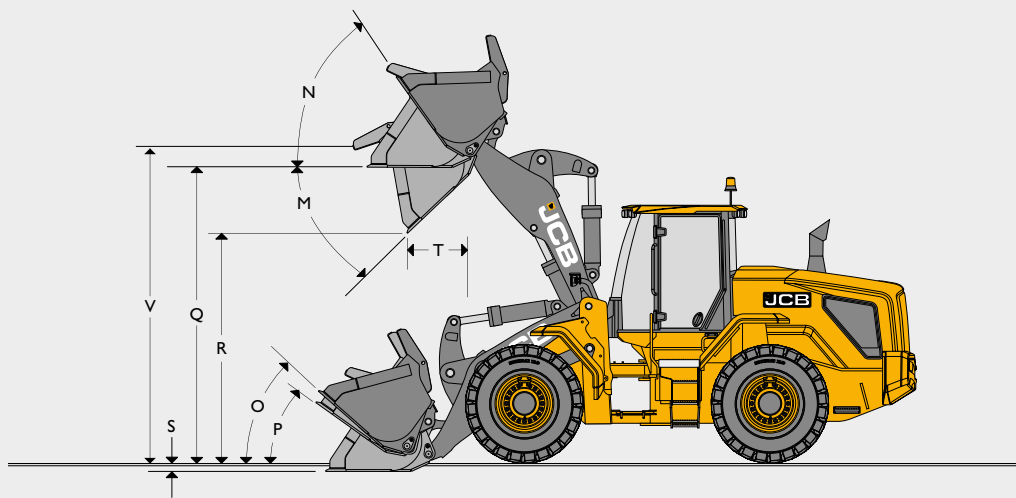
| Tyre size               | Manufacturer  | Type                | Rating | Op weight kg | 457HT std arms |         | 457HT HL arms |         | 457HT SHL arms |         | Dimensions |       |
|-------------------------|---------------|---------------------|--------|--------------|----------------|---------|---------------|---------|----------------|---------|------------|-------|
|                         |               |                     |        |              | STL kg         | FTTL kg | STL kg        | FTTL kg | STL kg         | FTTL kg | Vertical   | Width |
| 23.5R25 (Radial)        | Michelin      | XTLA                | L2     | -12          | -8             | -6      | -7            | -6      | -6             | -5      | -2         | -3    |
| 650/65R25 (Radial)      | Michelin      | XLD                 | L3     | -92          | -58            | -49     | -51           | -43     | -44            | -38     | -56        | 35    |
| 23.5R25 (Radial)        | Goodyear      | TL-3A+              | L3     | 324          | 204            | 174     | 178           | 152     | 155            | 132     | 19         | 0     |
| 23.5R25 (Radial)        | Goodyear      | RT-3B               | L3     | 176          | 111            | 95      | 97            | 83      | 84             | 72      | 10         | 0     |
| 23.5-25 (Crossply)      | Goodyear      | HRL-3A (20ply)      | L3     | -100         | -63            | -54     | -55           | -47     | -48            | -41     | 15         | 0     |
| 23.5-25 (Crossply)      | JCB           | SITEMASTER (24 Ply) | L3     | -92          | -58            | -49     | -51           | -43     | -44            | -38     | 6          | 1     |
| 23.5R25 (Radial)        | JCB           | EARTHMOVER          | L3     | 160          | 101            | 86      | 88            | 75      | 76             | 65      | 1          | 6     |
| 23.5R25 (Radial)        | Michelin      | XLDD2A              | L5     | 548          | 344            | 295     | 301           | 257     | 261            | 224     | 27         | 13    |
| 23.5R25 (Radial)        | Michelin      | XMINE D2            | L5     | 828          | 520            | 445     | 455           | 389     | 395            | 338     | 37         | 38    |
| 23.5R25 (Radial)        | Goodyear      | RL-5K               | L5     | 792          | 498            | 426     | 435           | 372     | 378            | 323     | 9          | 24    |
| 23.5R25 (Solid cushion) | SG Revolution | S2 C2 DWL           | -      | 3124         | 1964           | 1680    | 1715          | 1467    | 1490           | 1275    | 51         | -24   |

\*Heavy duty counterweight replaced by standard counterweight when solid tyres are fitted.

## LOADER DIMENSIONS

| Model           |                                            |         | 457 HT       |       |                     |       |                                    |       |              |       |                     |       |                                    |       | 457HT HL     |       |                     |       |                                    |       |              |       |                     |       |                                    |       | 457 HT SHL   |       |                     |       |                                    |       |              |       |                     |       |                                    |       |       |       |
|-----------------|--------------------------------------------|---------|--------------|-------|---------------------|-------|------------------------------------|-------|--------------|-------|---------------------|-------|------------------------------------|-------|--------------|-------|---------------------|-------|------------------------------------|-------|--------------|-------|---------------------|-------|------------------------------------|-------|--------------|-------|---------------------|-------|------------------------------------|-------|--------------|-------|---------------------|-------|------------------------------------|-------|-------|-------|
| Shovel mounting |                                            |         | Direct       |       |                     |       |                                    |       | Quickhitch   |       |                     |       |                                    |       | Direct       |       |                     |       |                                    |       | Quickhitch   |       |                     |       |                                    |       | Direct       |       |                     |       |                                    |       | Quickhitch   |       |                     |       |                                    |       |       |       |
|                 | Shovel equipment                           |         | Tipped teeth |       | Reversible toeplate |       | Tipped teeth and toeplate segments |       | Tipped teeth |       | Reversible toeplate |       | Tipped teeth and toeplate segments |       | Tipped teeth |       | Reversible toeplate |       | Tipped teeth and toeplate segments |       | Tipped teeth |       | Reversible toeplate |       | Tipped teeth and toeplate segments |       | Tipped teeth |       | Reversible toeplate |       | Tipped teeth and toeplate segments |       | Tipped teeth |       | Reversible toeplate |       | Tipped teeth and toeplate segments |       |       |       |
|                 | Shovel capacity (SAE heaped 100%)          | m³      | 3.1          | 3.3   | 3.3                 | 3.5   | 3.3                                | 3.5   | 3.1          | 3.3   | 3.3                 | 3.5   | 3.3                                | 3.5   | 2.8          | 3.1   | 3.3                 | 3.3   | 3.5                                | 3.3   | 3.5          | 3.1   | 3.3                 | 3.3   | 3.5                                | 3.3   | 3.5          | 2.8   | 3.1                 | 3.3   | 3.3                                | 3.5   | 3.3          | 3.5   | 3.3                 | 3.5   | 3.3                                | 3.5   |       |       |
|                 | Shovel capacity (struck)                   | m³      | 2.497        | 2.687 | 2.648               | 2.844 | 2.648                              | 2.844 | 2.497        | 2.687 | 2.648               | 2.844 | 2.648                              | 2.844 | 2.210        | 2.497 | 2.687               | 2.648 | 2.844                              | 2.648 | 2.844        | 2.497 | 2.687               | 2.648 | 2.844                              | 2.648 | 2.844        | 2.210 | 2.497               | 2.687 | 2.648                              | 2.844 | 2.648        | 2.844 | 2.497               | 2.687 | 2.648                              | 2.844 |       |       |
|                 | Shovel width                               | mm      | 2837         | 2837  | 2800                | 2800  | 2837                               | 2837  | 2837         | 2837  | 2800                | 2800  | 2837                               | 2837  | 2837         | 2837  | 2837                | 2800  | 2800                               | 2837  | 2837         | 2837  | 2837                | 2800  | 2800                               | 2837  | 2837         | 2837  | 2837                | 2837  | 2800                               | 2800  | 2837         | 2837  | 2800                | 2800  | 2837                               | 2837  |       |       |
|                 | Shovel weight                              | kg      | 1519         | 1565  | 1629                | 1675  | 1667                               | 1713  | 1426         | 1417  | 1536                | 1581  | 1574                               | 1619  | 1447         | 1519  | 1565                | 1629  | 1675                               | 1667  | 1713         | 1426  | 1417                | 1536  | 1581                               | 1574  | 1619         | 1447  | 1519                | 1565  | 1629                               | 1675  | 1667         | 1713  | 1426                | 1417  | 1536                               | 1581  | 1574  | 1619  |
|                 | Maximum material density *                 | kg/m³   | 2118         | 1975  | 1972                | 1846  | 1963                               | 1837  | 1996         | 1863  | 1858                | 1740  | 1853                               | 1732  | 1978         | 1791  | 1670                | 1666  | 1559                               | 1657  | 1551         | 1690  | 1577                | 1571  | 1471                               | 1566  | 1463         | 1655  | 1468                | 1369  | 1363                               | 1275  | 1355         | 1267  | 1384                | 1290  | 1284                               | 1201  | 1279  | 1193  |
|                 | Tipping load straight *                    | kg      | 15609        | 15506 | 15480               | 15387 | 15432                              | 15327 | 14760        | 14670 | 14643               | 14552 | 14609                              | 14492 | 13183        | 13254 | 13165               | 13139 | 13050                              | 13081 | 12991        | 12552 | 12474               | 12439 | 12360                              | 12405 | 12302        | 11110 | 10951               | 10874 | 10840                              | 10762 | 10783        | 10705 | 10370               | 10302 | 10259                              | 10191 | 10227 | 10134 |
|                 | Tipping load full turn *                   | kg      | 13130        | 13035 | 13014               | 12919 | 12956                              | 12860 | 12377        | 12295 | 12263               | 12180 | 12229                              | 12122 | 11076        | 11105 | 11024               | 10994 | 10911                              | 10937 | 10854        | 10478 | 10407               | 10367 | 10295                              | 10335 | 10238        | 9270  | 9104                | 9032  | 8995                               | 8923  | 8940         | 8867  | 8580                | 8517  | 8472                               | 8408  | 8440  | 8353  |
|                 | Payload *                                  | kg      | 6565         | 6518  | 6507                | 6460  | 6478                               | 6430  | 6189         | 6148  | 6131                | 6090  | 6115                               | 6061  | 5538         | 5553  | 5512                | 5497  | 5456                               | 5468  | 5427         | 5239  | 5203                | 5184  | 5148                               | 5167  | 5119         | 4635  | 4552                | 4516  | 4498                               | 4461  | 4470         | 4434  | 4290                | 4258  | 4236                               | 4204  | 4220  | 4177  |
|                 | Maximum breakout force                     | kN      | 161          | 153   | 150                 | 143   | 150                                | 143   | 144          | 138   | 135                 | 130   | 135                                | 130   | 176          | 163   | 155                 | 151   | 154                                | 151   | 154          | 146   | 140                 | 135   | 129                                | 135   | 129          | 175   | 163                 | 155   | 152                                | 145   | 152          | 145   | 146                 | 140   | 137                                | 132   | 137   | 132   |
| M               | Dump angle maximum                         | degrees | 45           | 45    | 45                  | 45    | 45                                 | 45    | 45           | 45    | 45                  | 45    | 45                                 | 45    | 45           | 45    | 45                  | 45    | 45                                 | 45    | 45           | 45    | 45                  | 45    | 45                                 | 45    | 45           | 45    | 45                  | 45    | 45                                 | 45    | 45           | 45    | 45                  | 45    | 45                                 | 45    | 45    |       |
| N               | Roll back angle full height                | degrees | 57           | 57    | 57                  | 57    | 57                                 | 57    | 57           | 57    | 57                  | 57    | 57                                 | 57    | 56           | 56    | 56                  | 56    | 56                                 | 56    | 56           | 56    | 56                  | 56    | 56                                 | 56    | 58           | 58    | 58                  | 58    | 58                                 | 58    | 58           | 58    | 58                  | 58    | 58                                 | 58    | 58    | 58    |
| O               | Roll back at carry                         | degrees | 52           | 52    | 52                  | 52    | 52                                 | 52    | 52           | 52    | 52                  | 52    | 52                                 | 52    | 48           | 48    | 48                  | 48    | 48                                 | 48    | 48           | 48    | 48                  | 48    | 48                                 | 48    | 54           | 54    | 54                  | 54    | 54                                 | 54    | 54           | 54    | 54                  | 54    | 54                                 | 54    | 54    |       |
| P               | Roll back at ground level                  | degrees | 46           | 46    | 46                  | 46    | 46                                 | 46    | 46           | 46    | 46                  | 46    | 46                                 | 46    | 43           | 43    | 43                  | 43    | 43                                 | 43    | 43           | 43    | 43                  | 43    | 43                                 | 43    | 46           | 46    | 46                  | 46    | 46                                 | 46    | 46           | 46    | 46                  | 46    | 46                                 | 46    | 46    |       |
| Q               | Load over height                           | mm      | 3999         | 3999  | 4031                | 4031  | 3999                               | 3999  | 3999         | 3999  | 4031                | 4031  | 3999                               | 3999  | 4446         | 4443  | 4443                | 4447  | 4447                               | 4383  | 4443         | 4443  | 4443                | 4447  | 4447                               | 4443  | 4443         | 4962  | 4965                | 4965  | 4997                               | 4997  | 4965         | 4965  | 4965                | 4965  | 4997                               | 4997  | 4965  | 4965  |
| R               | Dump height (45 deg dump)                  | mm      | 2923         | 2881  | 3072                | 3030  | 2923                               | 2881  | 2817         | 2775  | 2966                | 2924  | 2817                               | 2772  | 3264         | 3328  | 3370                | 3476  | 3435                               | 3328  | 3370         | 3222  | 3180                | 3371  | 3329                               | 3222  | 3180         | 3953  | 3889                | 3847  | 4037                               | 3996  | 3889         | 3847  | 3783                | 3741  | 3932                               | 3890  | 3783  | 3741  |
| S               | Dig depth                                  | mm      | 120          | 120   | 88                  | 88    | 120                                | 120   | 120          | 120   | 88                  | 88    | 120                                | 120   | 120          | 120   | 120                 | 120   | 152                                | 152   | 120          | 120   | 120                 | 120   | 152                                | 152   | 120          | 120   | 120                 | 88    | 88                                 | 120   | 120          | 120   | 120                 | 88    | 88                                 | 120   | 120   |       |
| T               | Reach at dump height                       | mm      | 1326         | 1368  | 1216                | 1258  | 1326                               | 1368  | 1432         | 1474  | 1322                | 1364  | 1432                               | 1474  | 1350         | 1286  | 1350                | 1286  | 1244                               | 1396  | 1354         | 1286  | 1244                | 1180  | 1138                               | 1290  | 1248         | 1319  | 1383                | 1425  | 1273                               | 1315  | 1383         | 1425  | 1489                | 1531  | 1379                               | 1421  | 1489  | 1531  |
| V               | Pin height                                 | mm      | 4307         | 4307  | 4307                | 4307  | 4307                               | 4307  | 4307         | 4307  | 4307                | 4307  | 4307                               | 4307  | 4750         | 4750  | 4750                | 4750  | 4750                               | 4750  | 4750         | 4750  | 4750                | 4750  | 4750                               | 4750  | 5273         | 5273  | 5273                | 5273  | 5273                               | 5273  | 5273         | 5273  | 5273                | 5273  | 5273                               | 5273  | 5273  | 5273  |
|                 | Reach maximum (45 deg dump) horizontal arm | mm      | 2303         | 2345  | 2193                | 2232  | 2303                               | 2345  | 2409         | 2451  | 2299                | 2438  | 2409                               | 2451  | 2603         | 2667  | 2709                | 2557  | 2599                               | 2667  | 2709         | 2773  | 2814                | 2663  | 2705                               | 2773  | 2814         | 3038  | 3102                | 3144  | 2992                               | 3034  | 3102         | 3144  | 3208                | 3249  | 3098                               | 3140  | 3208  | 3249  |
|                 | Operating weight                           | kg      | 20050        | 20096 | 20146               | 20192 | 20194                              | 20240 | 20337        | 20382 | 20433               | 20478 | 20461                              | 20526 | 20110        | 20362 | 20408               | 20458 | 20504                              | 20506 | 20552        | 20649 | 20694               | 20745 | 20790                              | 20773 | 20838        | 20499 | 20751               | 20797 | 20847                              | 20893 | 20895        | 20941 | 21038               | 21083 | 21134                              | 21179 | 21162 | 21222 |

\*Assumes machine is fitted with Michelin 23.5R25 XHA2 (L3) tyres.



## TYRE SIZE

| Tyre size                | Manufacturer  | Type                | Rating | Op weight<br>kg | 457ZX std arms |            | Dimensions     |             |
|--------------------------|---------------|---------------------|--------|-----------------|----------------|------------|----------------|-------------|
|                          |               |                     |        |                 | STL<br>kg      | FTTL<br>kg | Vertical<br>mm | Width<br>mm |
| 23.5R25 (Radial)         | Michelin      | XTLA                | L2     | -12             | -9             | -8         | -2             | -3          |
| 650/65R25 (Radial)       | Michelin      | XLD                 | L3     | -92             | -69            | -59        | -56            | 35          |
| 23.5R25 (Radial)         | Goodyear      | TL-3A+              | L3     | 324             | 243            | 208        | 19             | 0           |
| 23.5R25 (Radial)         | Goodyear      | RT-3B               | L3     | 176             | 132            | 113        | 10             | 0           |
| 23.5-25 (Crossply)       | Goodyear      | HRL-3A (20ply)      | L3     | -100            | -75            | -64        | 15             | 0           |
| 23.5-25 (Crossply)       | JCB           | SITEMASTER (24 Ply) | L3     | -92             | -69            | -59        | 6              | 1           |
| 23.5R25 (Radial)         | JCB           | EARTHMOVER          | L3     | 160             | 120            | 103        | 1              | 6           |
| 23.5R25 (Radial)         | Michelin      | XLDD2A              | L5     | 548             | 412            | 352        | 27             | 13          |
| 23.5R25 (Radial)         | Michelin      | XMINE D2            | L5     | 828             | 622            | 532        | 37             | 38          |
| 23.5R25 (Radial)         | Goodyear      | RL-5K               | L5     | 792             | 595            | 509        | 9              | 24          |
| 23.5R25 (Solid cushion)  | SG Revolution | S2 C2 DWL           | -      | 3124            | 2347           | 2008       | 51             | -24         |
| Heavy Duty Counterweight |               |                     |        | -               | 774            | 1752       | 1566           | 51          |

\*Heavy duty counterweight not available with L5 & solid tyres

## LOADER DIMENSIONS

| Model                                      |                             | 457 ZX          |       |                     |       |                                    |       |                 |       |                     |       |                                    |       |       |
|--------------------------------------------|-----------------------------|-----------------|-------|---------------------|-------|------------------------------------|-------|-----------------|-------|---------------------|-------|------------------------------------|-------|-------|
| Shovel mounting                            |                             | Direct          |       |                     |       |                                    |       | Quickhitch      |       |                     |       |                                    |       |       |
| Shovel type                                |                             | General purpose |       |                     |       |                                    |       | General purpose |       |                     |       |                                    |       |       |
| Shovel equipment                           |                             | Tipped teeth    |       | Reversible toeplate |       | Tipped teeth and toeplate segments |       | Tipped teeth    |       | Reversible toeplate |       | Tipped teeth and toeplate segments |       |       |
| Shovel capacity (SAE heaped)               |                             | m³              | 3.1   | 3.3                 | 3.3   | 3.5                                | 3.3   | 3.5             | 3.1   | 3.3                 | 3.3   | 3.5                                | 3.3   | 3.5   |
| Shovel capacity (struck)                   |                             | m³              | 3     | 3                   | 3     | 3                                  | 3     | 3               | 2     | 3                   | 3     | 3                                  | 3     | 3     |
| Shovel width                               |                             | mm              | 2837  | 2837                | 2800  | 2800                               | 2837  | 2837            | 2837  | 2837                | 2800  | 2800                               | 2837  | 2837  |
| Shovel weight                              |                             | kg              | 1613  | 1656                | 1723  | 1766                               | 1761  | 1804            | 1426  | 1471                | 1536  | 1581                               | 1574  | 1619  |
| Maximum material density *                 |                             | kg/m³           | 2217  | 2068                | 2064  | 1933                               | 2055  | 1924            | 2122  | 1984                | 1975  | 1854                               | 1970  | 1845  |
| Tipping load straight *                    |                             | kg              | 16494 | 16390               | 16364 | 16269                              | 16313 | 16208           | 15846 | 15780               | 15725 | 15658                              | 15690 | 15596 |
| Tipping load full turn *                   |                             | kg              | 13743 | 13648               | 13626 | 13530                              | 13566 | 13470           | 13156 | 13094               | 13037 | 12975                              | 13002 | 12915 |
| Payload *                                  |                             | kg              | 6872  | 6824                | 6813  | 6765                               | 6783  | 6735            | 6578  | 6547                | 6519  | 6488                               | 6501  | 6457  |
| Maximum breakout force                     |                             | kN              | 172   | 165                 | 161   | 154                                | 161   | 154             | 153   | 147                 | 143   | 137                                | 143   | 137   |
| M                                          | Dump angle maximum          | degrees         | 45    | 45                  | 45    | 45                                 | 45    | 45              | 45    | 45                  | 45    | 45                                 | 45    | 45    |
| N                                          | Roll back angle full height | degrees         | 67    | 67                  | 67    | 67                                 | 67    | 67              | 67    | 67                  | 67    | 67                                 | 67    | 67    |
| O                                          | Roll back at carry          | degrees         | 45    | 45                  | 45    | 45                                 | 45    | 45              | 45    | 45                  | 45    | 45                                 | 45    | 45    |
| P                                          | Roll back at ground level   | degrees         | 39    | 39                  | 39    | 39                                 | 39    | 39              | 39    | 39                  | 39    | 39                                 | 39    | 39    |
| Q                                          | Load over height            | mm              | 3802  | 3802                | 3834  | 3834                               | 3802  | 3802            | 3802  | 3802                | 3834  | 3834                               | 3802  | 3802  |
| R                                          | Dump height (45 deg dump)   | mm              | 2740  | 2698                | 2890  | 2848                               | 2740  | 2698            | 2620  | 2578                | 2770  | 2728                               | 2620  | 2578  |
| S                                          | Dig depth                   | mm              | 120   | 120                 | 88    | 88                                 | 120   | 120             | 120   | 120                 | 88    | 88                                 | 120   | 120   |
| T                                          | Reach at dump height        | mm              | 1301  | 1343                | 1191  | 1233                               | 1301  | 1343            | 1421  | 1463                | 1311  | 1353                               | 1421  | 1463  |
| V                                          | Pin height                  | mm              | 4110  | 4110                | 4110  | 4110                               | 4110  | 4110            | 4110  | 4110                | 4110  | 4110                               | 4110  | 4110  |
| Reach maximum (45 deg dump) horizontal arm |                             | mm              | 2140  | 2182                | 2029  | 2071                               | 2140  | 2182            | 2260  | 2302                | 2149  | 2191                               | 2260  | 2302  |
| Operating weight                           |                             | kg              | 19811 | 19854               | 19907 | 19950                              | 19956 | 19999           | 20170 | 20215               | 20266 | 20311                              | 20295 | 20360 |

\*Assumes machine is fitted with Michelin 23.5R25 XHA2 (L3) tyres.