

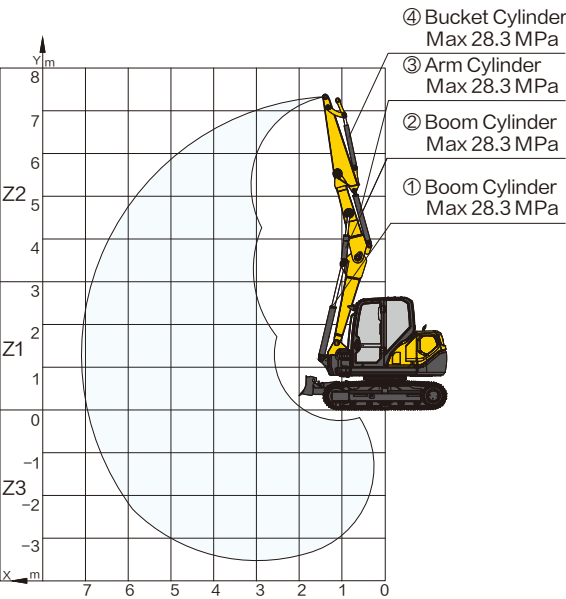
# XE80E (Double Boom)

**Applications :** Municipal, road construction, forestry operations, earthwork transportation.

**Features :** The low-speed torque reserve is sufficient, the power is strong, the fuel economy is good, and the noise and vibration are low. With the large-displacement electronically controlled main pump, the fuel consumption of the whole machine is low.

Never attempt to lift or hold any load in excess of the rated lifting capacity at the specified lifting radius and height. The lifting point is located on the lifting eye of the arm (Bucket weight is not included), any additional attachment such as bucket should be deducted from the lifting weight. When determining the net lifting weight allowed for the machine, the weight of the slings and any auxiliary lifting devices must be deducted from the rated lifting capacity. Lifting capacity is based on the machine standing on firm and level ground. The operator should consider working conditions such as soft or uneven ground. Before operating the machine, the operator should familiarize himself with the safety procedures in the relevant manual.

| <div></div> <div> kg</div> <div>Dozer Blade up</div> |        |                                                                                                                                                                         |                                                                                     |                                                                                                                                                                         |                                                                                     |                                                                                                                                                                         |                                                                                     |                                                                                                                                                                         |                                                                                     |                                                                                                                                                                          |                                                                                       |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------|
| <div> In travel direction</div>                                                                                                                                                                                            |        |                                                                                                                                                                         |                                                                                     | <div> Against travel direction</div>                                                 |                                                                                     |                                                                                                                                                                         |                                                                                     | <div> Right angle to travel direction</div>                                        |                                                                                     |                                                                                                                                                                          |                                                                                       |      |
| LD                                                                                                                                                                                                                                                                                                            | X<br>Y | 3.0m                                                                                                                                                                    |                                                                                     | 4.0m                                                                                                                                                                    |                                                                                     | 5.0m                                                                                                                                                                    |                                                                                     | 6.0m                                                                                                                                                                    |                                                                                     | MAX                                                                                                                                                                      |                                                                                       |      |
|                                                                                                                                                                                                                                                                                                               |        |   |  |   |  |   |  |   |  |   |  | m    |
| 1.82m                                                                                                                                                                                                                                                                                                         | Z2     | *2400                                                                                                                                                                   | *2400                                                                               | 2391                                                                                                                                                                    | 1761                                                                                | 1626                                                                                                                                                                    | 1190                                                                                | 1271                                                                                                                                                                    | 936                                                                                 | 1099                                                                                                                                                                     | 802                                                                                   | 6.50 |
|                                                                                                                                                                                                                                                                                                               | Z1     | 3277                                                                                                                                                                    | 2252                                                                                | 2182                                                                                                                                                                    | 1725                                                                                | 1471                                                                                                                                                                    | 1043                                                                                | 1160                                                                                                                                                                    | 830                                                                                 | 966                                                                                                                                                                      | 695                                                                                   | 7.10 |
|                                                                                                                                                                                                                                                                                                               | Z3     | *1828                                                                                                                                                                   | *1828                                                                               | *1475                                                                                                                                                                   | 1434                                                                                | *1185                                                                                                                                                                   | 1068                                                                                | 1165                                                                                                                                                                    | 834                                                                                 | *1022                                                                                                                                                                    | 791                                                                                   | 6.30 |



Note 1 The lifting capacities in the table refer to the case where no external thrust intervention is included.

Note 2 Lifting capacities marked with an asterisk (\*) in the table are limited by hydraulic capacity and should not exceed 75% of the minimum tipping load or 87% of the hydraulic capacity.

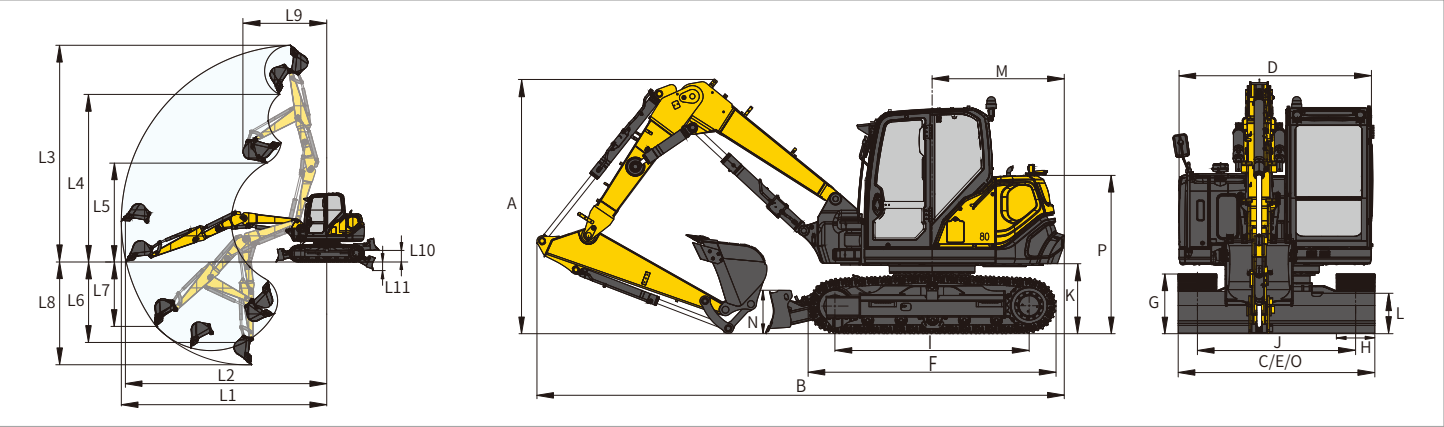
Note 3 The least stable position is on the side of the excavator.

Note 4 The lifting capacity table applies only to machines originally built and normally assembled by the manufacturer.

Note 5 The machine is rated for an operating weight of 9500 kg ( 20943 lb ) , which includes 0.45 m ( 1.48 ft ) steel tracks, a 3.4 m ( 11.1 ft ) boom, a 1.82 m ( 5.97 ft ) arm, a 1200 kg ( 2646 lb ) counterweight, all working fluids, and a 75 kg ( 165 lb ) operator, exclusive of the bucket.

Note 6 Lifting capacity shall be in accordance with ISO 10567:2007.

Note 7 For all configurations of track specifications, the lifting capacity is kept within  $\pm 5\%$ .



| Item contents                             | Unit | Parameters |
|-------------------------------------------|------|------------|
| Working range                             |      |            |
| L1 Maximum reach                          | mm   | 7890       |
| L2 Maximum reach at GRP                   | mm   | 7710       |
| L3 Maximum digging height                 | mm   | 8325       |
| L4 Maximum unloading height               | mm   | 6440       |
| L5 Minimum unloading height               | mm   | 3726       |
| L6 8 ft. level floor digging depth        | mm   | 4254       |
| L7 Maximum vertical digging depth         | mm   | 3300       |
| L8 Maximum digging depth                  | mm   | 3945       |
| L9 Minimum swing radius                   | mm   | 3095       |
| L10 Maximum lifting height of dozer blade | mm   | 482        |
| L11 Max. cutting depth of dozer blade     | mm   | 307        |
| Boom deflection angle (left)              | -    | 62°        |
| Boom deflection angle (right)             | -    | 50°        |

| Item contents           | Unit    | Parameters   |
|-------------------------|---------|--------------|
| Operating weight        | kg      | 9500         |
| Engine                  |         |              |
| Engine brand/model      | -       | Kubota V3307 |
| Rated power/rpm         | kW/rpm  | 54.6/2200    |
| Electric injection      | -       | √            |
| 4-stroke                | -       | √            |
| Water-cooled            | -       | √            |
| Turbocharged            | -       | √            |
| Air-to-Air intercooling | -       | √            |
| Stroke                  | mm      | 120          |
| Cylinder bore           | mm      | 94           |
| Number of cylinders     | -       | 4            |
| Maximum torque/rpm      | N-m/rpm | 265/1500     |
| Displacement            | L       | 3.3          |

|                             |   |     |
|-----------------------------|---|-----|
| Oil capacity                |   |     |
| Fuel tank capacity          | L | 130 |
| Hydraulic oil tank capacity | L | 130 |

|                                           |    |     |
|-------------------------------------------|----|-----|
| Track                                     |    |     |
| Standard track shoe width                 | mm | 450 |
| Number of track shoes (per side)          | -  | 40  |
| Number of track roller (per side)         | -  | 5   |
| Number of track carrier roller (per side) | -  | 1   |

|                          |   |   |
|--------------------------|---|---|
| Cab standard             |   |   |
| ISO 10262: 1998 (OPG)    | - | √ |
| ISO 12117-2: 2008 (ROPS) | - | √ |

| Item contents                    | Unit | Parameters |
|----------------------------------|------|------------|
| Dimensions                       |      |            |
| A Overall height                 | mm   | 3220       |
| B Overall length                 | mm   | 6220       |
| C Overall width                  | mm   | 2300       |
| D Upper structure width          | mm   | 2250       |
| E Chassis width                  | mm   | 2300       |
| F Track length                   | mm   | 2900       |
| G Track height                   | mm   | 698        |
| H Standard track shoe width      | mm   | 450        |
| I Track wheelbase                | mm   | 2272       |
| J Track gauge                    | mm   | 1850       |
| K Counterweight ground clearance | mm   | 818.5      |
| L Minimum ground clearance       | mm   | 386.5      |
| M Tail Swing Radius              | mm   | 1545       |
| N Dozer blade height             | mm   | 495        |
| O Dozer blade width              | mm   | 2300       |
| P Hood height                    | mm   | 1848       |

| Item contents                    | Unit  | Parameters        |
|----------------------------------|-------|-------------------|
| Hydraulic system                 |       |                   |
| Main pump                        | -     | One variable pump |
| Maximum flow rate of main system | L/min | 229               |
| Main system pressure             | MPa   | 28.3              |
| Pilot system pressure            | MPa   | 3.7               |
| Travel system pressure           | MPa   | 28.3              |
| Swing system pressure            | MPa   | 23.5              |

|                            |       |           |
|----------------------------|-------|-----------|
| Main performance           |       |           |
| Travel speed ( high/low )  | km/h  | 4.9/2.7   |
| Swing speed                | r/min | 12        |
| Gradeability               | -     | 35° (70%) |
| Ground specific pressure   | kPa   | 42.3      |
| Bucket digging force (ISO) | kN    | 64        |
| Arm digging force (ISO)    | kN    | 41        |
| Maximum traction force     | kN    | 64        |

|                 |    |                                           |
|-----------------|----|-------------------------------------------|
| Standard        |    |                                           |
| Length of boom  | mm | 2027<br>(Standard)<br>2060<br>(Rear boom) |
| Length of arm   | mm | 1823                                      |
| Bucket capacity | m³ | 0.35<br>(Earthmoving bucket)              |

|                 |    |                                                             |
|-----------------|----|-------------------------------------------------------------|
| Optional        |    |                                                             |
| Length of boom  | mm | -                                                           |
| Length of arm   | mm | -                                                           |
| Bucket capacity | m³ | 0.2<br>(Earthmoving bucket)<br>0.33<br>(Earthmoving bucket) |



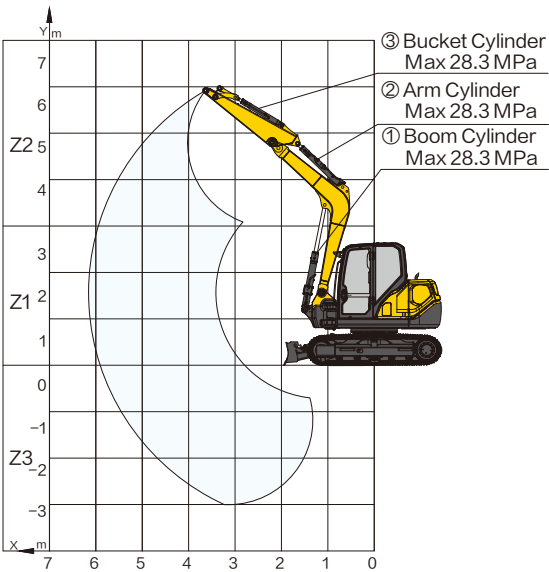
XE80E

**Applications :** Widely used in municipal and road construction sites, forestry operations, and earthwork transportation.

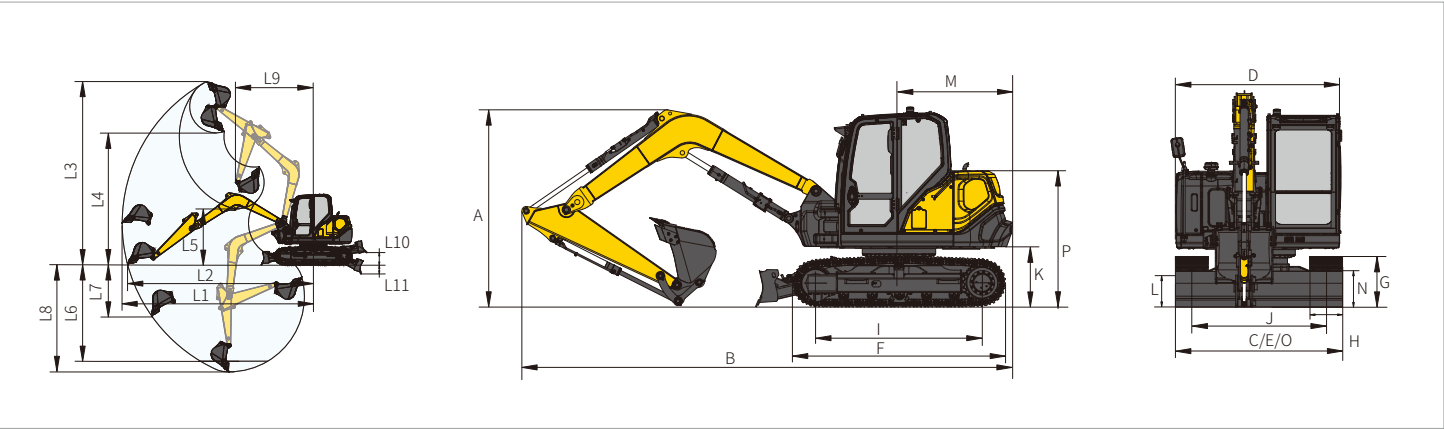
**Features :** It adopts vehicle-level NVH optimization, main control valve flow compensation, bulldozer blade float and other technologies, with the characteristics of high auxiliary flow, fast leveling efficiency, and low noise; The brand-new second-generation main control valve is matched with unique main valve flow compensation technology to ensure accurate flow distribution and easily cope with various complex working conditions.

Never attempt to lift or hold any load in excess of the rated lifting capacity at the specified lifting radius and height. The lifting point is located on the lifting eye of the arm (Bucket weight is not included), any additional attachment such as bucket should be deducted from the lifting weight. When determining the net lifting weight allowed for the machine, the weight of the slings and any auxiliary lifting devices must be deducted from the rated lifting capacity. Lifting capacity is based on the machine standing on firm and level ground. The operator should consider working conditions such as soft or uneven ground. Before operating the machine, the operator should familiarize himself with the safety procedures in the relevant manual.

| kg                  |        |      |      |                          |      |      |      |                                 |     |      |     | Dozer Blade up |  |
|---------------------|--------|------|------|--------------------------|------|------|------|---------------------------------|-----|------|-----|----------------|--|
| In travel direction |        |      |      | Against travel direction |      |      |      | Right angle to travel direction |     |      |     |                |  |
| LD                  | X<br>Y | 3.0m |      | 4.0m                     |      | 5.0m |      | 6.0m                            |     | MAX  |     |                |  |
|                     |        |      |      |                          |      |      |      |                                 |     |      |     | m              |  |
| 1.82m               | Z2     |      |      | 2182                     | 1725 | 1559 | 1247 |                                 |     | 1157 | 927 | 6.5            |  |
|                     | Z1     | 2986 | 2228 | 1935                     | 1496 | 1426 | 1121 | 1136                            | 903 | 1083 | 872 | 6.2            |  |
|                     | Z3     | 2997 | 2238 | 1926                     | 1487 | 1418 | 1114 |                                 |     | 1129 | 895 | 5.9            |  |



Note 1 The lifting capacities in the table refer to the case where no external thrust intervention is included.  
Note 2 Lifting capacities marked with an asterisk (\*) in the table are limited by hydraulic capacity and should not exceed 75% of the minimum tipping load or 87% of the hydraulic capacity.  
Note 3 The least stable position is on the side of the excavator.  
Note 4 The lifting capacity table applies only to machines originally built and normally assembled by the manufacturer.  
Note 5 The machine is rated for an operating weight of 9250 kg (20943.9 lb), which includes 0.45 m (1.47 ft) steel tracks, a 3.4 m (11.15 ft) boom, a 1.82 m (5.92 ft) arm, a 1200 kg (2645.54 lb) counterweight, all working fluids, and a 75 kg (165 lb) operator, exclusive of the bucket.  
Note 6 Lifting capacity shall be in accordance with ISO 10567:2007.  
Note 7 For all configurations of track specifications, the lifting capacity is kept within ± 5%.



| Item contents                             | Unit | Parameters |
|-------------------------------------------|------|------------|
| Working range                             |      |            |
| L1 Maximum reach                          | mm   | 7145       |
| L2 Maximum reach at GRP                   | mm   | 6940       |
| L3 Maximum digging height                 | mm   | 6850       |
| L4 Maximum unloading height               | mm   | 4988       |
| L5 Minimum unloading height               | mm   | 2102       |
| L6 8 ft. level floor digging depth        | mm   | 3616       |
| L7 Maximum vertical digging depth         | mm   | 1935       |
| L8 Maximum digging depth                  | mm   | 3933       |
| L9 Minimum swing radius                   | mm   | 2898       |
| L10 Maximum lifting height of dozer blade | mm   | 482        |
| L11 Max. cutting depth of dozer blade     | mm   | 307        |
| Boom deflection angle (left)              | -    | 62°        |
| Boom deflection angle (right)             | -    | 50°        |

| Item contents           | Unit    | Parameters   |
|-------------------------|---------|--------------|
| Operating weight        | kg      | 9250         |
| Engine                  |         |              |
| Engine brand/model      | -       | Kubota/V3307 |
| Rated power/rpm         | kW/rpm  | 54.6/2200    |
| Electric injection      | -       | √            |
| 4-stroke                | -       | √            |
| Water-cooled            | -       | √            |
| Turbocharged            | -       | √            |
| Air-to-Air intercooling | -       | √            |
| Stroke                  | mm      | 120          |
| Cylinder bore           | mm      | 94           |
| Number of cylinders     | -       | 4            |
| Maximum torque/rpm      | N·m/rpm | 265/1500     |
| Displacement            | L       | 3.3          |

|                             |   |     |
|-----------------------------|---|-----|
| Oil capacity                |   |     |
| Fuel tank capacity          | L | 130 |
| Hydraulic oil tank capacity | L | 130 |

|                                           |    |     |
|-------------------------------------------|----|-----|
| Track                                     |    |     |
| Standard track shoe width                 | mm | 450 |
| Number of track shoes (per side)          | -  | 40  |
| Number of track roller (per side)         | -  | 5   |
| Number of track carrier roller (per side) | -  | 1   |

|                          |   |   |
|--------------------------|---|---|
| Cab standard             |   |   |
| ISO 10262: 1998 (OPG)    | - | √ |
| ISO 12117-2: 2008 (ROPS) | - | √ |

| Item contents                    | Unit | Parameters |
|----------------------------------|------|------------|
| Dimensions                       |      |            |
| A Overall height                 | mm   | 2795       |
| B Overall length                 | mm   | 6585       |
| C Overall width                  | mm   | 2300       |
| D Upper structure width          | mm   | 2250       |
| E Chassis width                  | mm   | 2300       |
| F Track length                   | mm   | 2900       |
| G Track height                   | mm   | 698        |
| H Standard track shoe width      | mm   | 450        |
| I Track wheelbase                | mm   | 2272       |
| J Track gauge                    | mm   | 1850       |
| K Counterweight ground clearance | mm   | 818.5      |
| L Minimum ground clearance       | mm   | 386.5      |
| M Tail swing radius              | mm   | 1450       |
| N Dozer blade height             | mm   | 495        |
| O Dozer blade width              | mm   | 2300       |
| P Hood height                    | mm   | 1848       |

| Item contents                    | Unit  | Parameters        |
|----------------------------------|-------|-------------------|
| Hydraulic system                 |       |                   |
| Main pump                        | -     | One variable pump |
| Maximum flow rate of main system | L/min | 229               |
| Main system pressure             | MPa   | 28.3              |
| Pilot system pressure            | MPa   | 3.7               |
| Travel system pressure           | MPa   | 28.3              |
| Swing system pressure            | MPa   | 23.5              |

|                            |       |           |
|----------------------------|-------|-----------|
| Main performance           |       |           |
| Travel speed ( high/low )  | km/h  | 4.9/2.7   |
| Swing speed                | r/min | 12        |
| Gradeability               | -     | 35° (70%) |
| Ground specific pressure   | kPa   | 40.9      |
| Bucket digging force (ISO) | kN    | 64        |
| Arm digging force (ISO)    | kN    | 41        |
| Maximum traction force     | kN    | 64        |

|                 |    |                              |
|-----------------|----|------------------------------|
| Standard        |    |                              |
| Length of boom  | mm | 3400                         |
| Length of arm   | mm | 1823                         |
| Bucket capacity | m³ | 0.35<br>(Earthmoving bucket) |

|                 |    |                                                              |
|-----------------|----|--------------------------------------------------------------|
| Optional        |    |                                                              |
| Length of boom  | mm | -                                                            |
| Length of arm   | mm | -                                                            |
| Bucket capacity | m³ | 0.14/0.2<br>(Earthmoving bucket)<br>0.5<br>(Cleaning bucket) |