



## Excavator SWE 215E

|                          |                    |
|--------------------------|--------------------|
| Operating Weight         | 21.3t(steel track) |
| Engine Power             | 124kW/2050rpm      |
| Engine Brand             | CUMMINS            |
| Standard Bucket Capacity | 1.0m <sup>3</sup>  |
| Max. Digging Depth       | 6.75m              |



### Excavator SWE215E

#### Parameter

##### ENGINE

|              |   |
|--------------|---|
| Brand        | CUMMINS   |
| Model        | QSB7  |
| Type         | Direct injection, 4-stroke, water-cooled, turbocharged, intercooled |
| Displacement | 6.7L  |
| Power        | 124kW/2050rpm   |

##### ELECTRIC SYSTEM

|                 |           |
|-----------------|-----------|
| Nominal voltage | 24V       |
| Batteries       | 120Ah     |
| Alternator      | 24V-70A   |
| Starter         | 24V-7.8kW |

##### DRIVE

|                             |             |
|-----------------------------|-------------|
| Max. Travel Speed (2nd/1st) | 5.2/3.3km/h |
| Gradeability                | 35°         |
| Max. Traction               | 193kN       |

##### UNDERCARRIAGE

|                     |        |
|---------------------|--------|
| Undercarriage Width | 2800mm |
| Tumbler Distance    | 3465mm |
| Track Length        | 4260mm |
| Shoe Width          | 600mm  |

##### DIMENSIONS

|                         |        |
|-------------------------|--------|
| Counterweight Clearance | 1060mm |
| Tail Swing Radius       | 2750mm |
| Shipping Length         | 9750mm |
| Shipping Width          | 2800mm |
| Shipping Height         | 3045mm |

##### WORKING RANGES

|                                  |         |
|----------------------------------|---------|
| Max. Cutting Height              | 9760mm  |
| Max. Loading Height              | 6980mm  |
| Max. Digging Depth               | 6750mm  |
| Max. Vertical Wall Digging Depth | 6570mm  |
| Max. Digging Reach               | 9985mm  |
| Max. Digging Reach (Ground)      | 9820mm  |
| Bucket Digging Force             | 155kN   |
| Stick Digging Force              | 110kN   |
| Ground Pressure                  | 46kPa   |
| Swing Speed                      | 11.8rpm |

##### CAPACITY

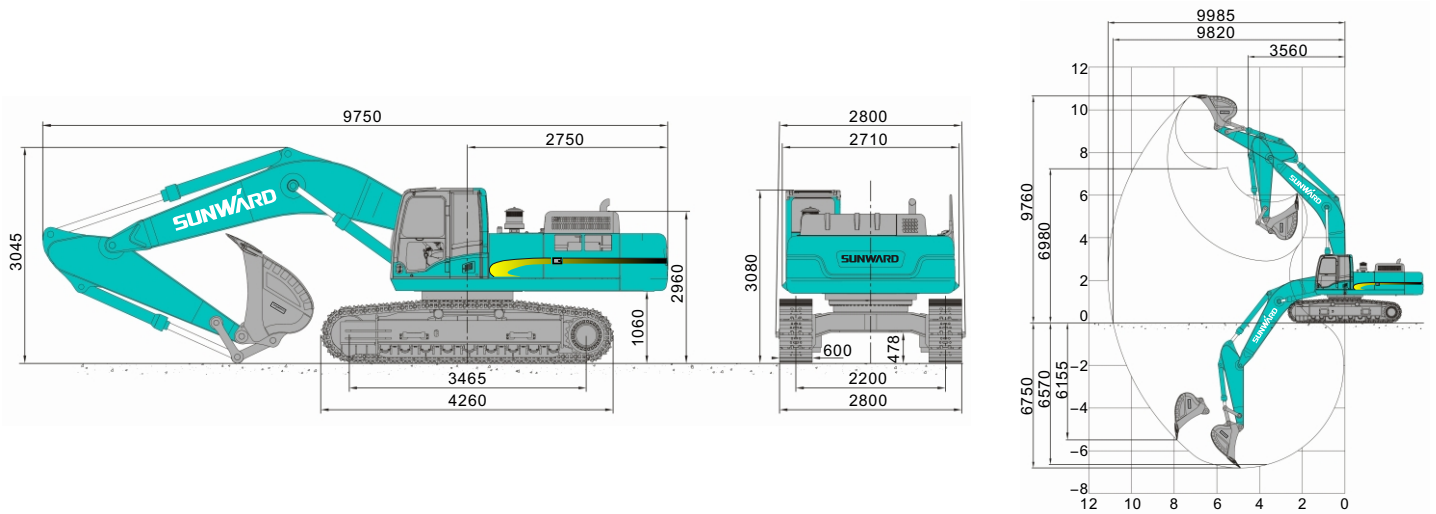
|                |      |
|----------------|------|
| Fuel Tank      | 370L |
| Hydraulic Tank | 250L |

##### HYDRAULIC SYSTEM

|                  |                |
|------------------|----------------|
| Main Pumps       |                |
| Type             | 2 piston pumps |
| Displacement     | 2x240 L/min    |
| Working Pressure | 31.4/34.3MPa   |

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## Working Ranges



## Load Capacity

| A(m)<br>B(m) | MAX       |          | 8m        |          | 7m        |          | 6m        |          | 5m        |          | 4m        |          | 3m        |          | 2m        |          |
|--------------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|
|              | Front(kg) | Side(kg) | Front(kg) | Side(kg) | Front(kg) | Side(kg) | Front(kg) | Side(kg) | Front(kg) | Side(kg) | Front(kg) | Side(kg) | Front(kg) | Side(kg) | Front(kg) | Side(kg) |
| 8.0          | 3210      | 3210     | —         | —        | —         | —        | —         | —        | —         | —        | —         | —        | —         | —        | —         | —        |
| 7.0          | 2920      | 2920     | —         | —        | —         | —        | 4110      | 3960     | —         | —        | —         | —        | —         | —        | —         | —        |
| 6.0          | 2790      | 2590     | —         | —        | 4220      | 2910     | 4180      | 3970     | —         | —        | —         | —        | —         | —        | —         | —        |
| 5.0          | 2730      | 2240     | —         | —        | 4330      | 2900     | 4500      | 3900     | —         | —        | —         | —        | —         | —        | —         | —        |
| 4.0          | 2760      | 2010     | 3720      | 2150     | 4610      | 2840     | 5000      | 3780     | 5640      | 5200     | 6720      | 6720     | —         | —        | —         | —        |
| 3.0          | 2840      | 1880     | 3680      | 2110     | 4690      | 2760     | 5600      | 3640     | 6610      | 4940     | 8450      | 7090     | —         | —        | —         | —        |
| 2.0          | 2980      | 1810     | 3630      | 2070     | 4590      | 2670     | 5960      | 3490     | 7560      | 4690     | 10030     | 6620     | —         | —        | —         | —        |
| 1.0          | 3190      | 1790     | 3580      | 2020     | 4500      | 2590     | 5820      | 3360     | 7880      | 4480     | 11060     | 6300     | —         | —        | —         | —        |
| 0.0          | 3310      | 1840     | 3540      | 1980     | 4130      | 2520     | 5710      | 3260     | 7720      | 4350     | 11430     | 6140     | —         | —        | —         | —        |
| -1.0         | 3500      | 1950     | 3530      | 1970     | 4390      | 2490     | 5640      | 3200     | 7640      | 4280     | 11370     | 6100     | 7970      | 7970     | —         | —        |
| -2.0         | 3840      | 2160     | —         | —        | 4380      | 2480     | 5630      | 3190     | 7630      | 4270     | 11190     | 6120     | 11410     | 10090    | 8110      | 8110     |
| -3.0         | 4430      | 2520     | —         | —        | 4440      | 2530     | 5660      | 3220     | 7680      | 4310     | 10490     | 6200     | 13510     | 10250    | 11580     | 11530    |
| -4.0         | 5390      | 3170     | —         | —        | —         | —        | 5740      | 3320     | 7410      | 4410     | 9310      | 6340     | 11850     | 10490    | 15850     | 15850    |
| -5.0         | 5270      | 4560     | —         | —        | —         | —        | —         | —        | 5360      | 4620     | 7270      | 6570     | 9280      | 9280     | —         | —        |

## Notes:

- 1) Load with \* is limited by hydraulic capacity and based on ISO 10567. Rated loads do not exceed 87% of hydraulic capacity.
- 2) Load without \* is limited by tipping load and based on ISO 10567. Rated loads do not exceed 75% of tipping load.

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