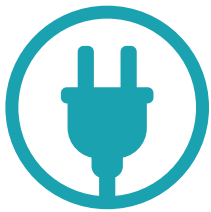




CONSTRUCTION EQUIPMENT

**SUNWARD**  
INNOVATION LEADS TO VALUE



ELECTRIC  
MINI EXCAVATOR

# SWE 20FED

Engine Power: **10.7 HP/8 kW**

Machine Weight: **4233lbs/1 920 kg**

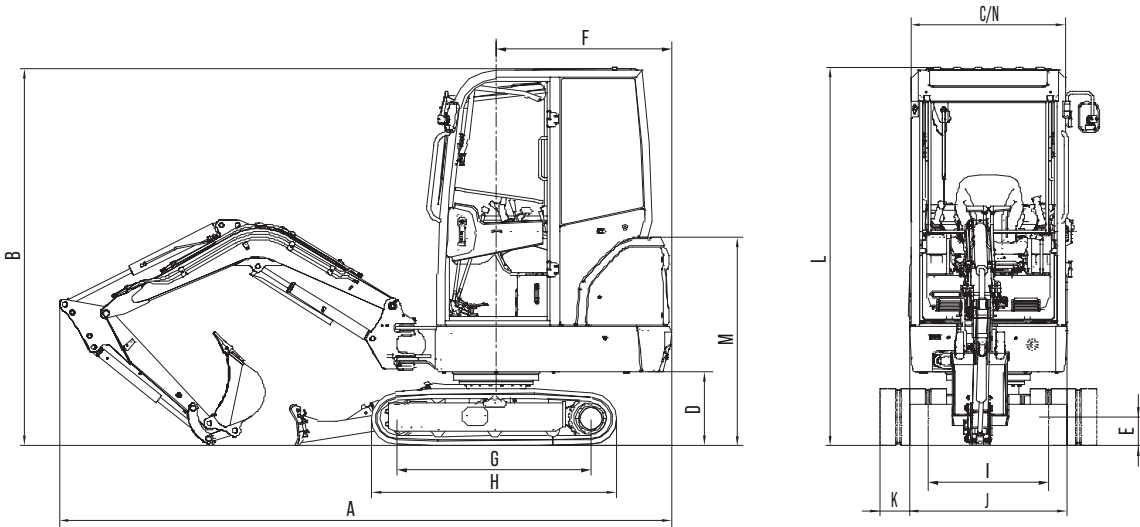




TECHNICAL PARAMETERS

|                             |                                      |                     |                                     |
|-----------------------------|--------------------------------------|---------------------|-------------------------------------|
| TYPE OF CAB                 |                                      |                     | Cab / Canopy                        |
| BUCKET CAPACITY             |                                      | 0.05 yd³            | 0.035 m³                            |
| BUCKET WIDTH, STD.          |                                      | 16"                 | 370 mm                              |
| MACHINE WEIGHT              |                                      | 3616/3925 lbs       | 1640-1780 kg                        |
| DIMENSIONS                  | Overall dimension (L × W × H)        | 12'6" × 3'3" × 7'3" | 3 840 × 990 × 2 360 mm              |
|                             | A Total length                       | 12'6"               | 3 840 mm                            |
|                             | B Total height                       | 7'3"                | 2 360 mm                            |
|                             | C Total with                         | 3'3"                | 990 mm                              |
|                             | D Ground clearance of counter weight | 1.7"                | 460 mm                              |
|                             | E Minimum ground clearance           | 6.2"                | 160 mm                              |
|                             | F Tail swing radius                  | 3'8"                | 1 110 mm                            |
|                             | G Track length on the ground         | 4'                  | 1 210 mm                            |
|                             | H Track length                       | 5'1"                | 1 555 mm                            |
|                             | I Track gauge                        | 2'6" / 4'6"         | 760/1 130 mm                        |
|                             | J Undercarriage width                | 3'3"/4'6"           | 990/1 360 mm                        |
|                             | K Track shoe width                   | 9"                  | 230 mm                              |
|                             | L Cab height                         | 7'3"                | 2 360 mm                            |
|                             | M Height of engine hood              | 4'3"                | 1 310 mm                            |
|                             | N Width of turntable                 | 3'3"                | 990 mm                              |
|                             | Boom length                          | 4'4"                | 1 800 mm                            |
|                             | Arm length                           | 3'9"                | 1 150 mm                            |
| POWER SOURCE                | Battery type                         |                     | Lithium-ion                         |
|                             | System voltage                       |                     | 76.8 V                              |
|                             | Emissions                            |                     | Zero emissions at point of use      |
| MOTOR                       | Type                                 |                     | 3-Phase asynchronous                |
|                             | Power                                | 10.7 HP             | 8 kW                                |
|                             | Max. torque                          | 88.6 lbf.ft]        | 120 N*m                             |
| TRACK                       | Type                                 |                     | Rubber track                        |
|                             | Rubber shoe width                    | 9"                  | 230 mm                              |
|                             | Track length                         | 5'1"                | 1 555 mm                            |
| UNDERCARRIAGE               | Traveling speed (High/Low)           | 2.8/1.6 mph         | 4.5/2.5 km/h                        |
|                             | Gradeability                         |                     | 30 deg                              |
| SWING SPEED                 |                                      |                     | 10 rpm                              |
| GROUND PRESSURE             |                                      | 4.4 psi             | 30 kpa                              |
| HYDRAULIC PUMPS             | Hydraulic pump type                  |                     | Single axial swashplate piston pump |
|                             | Max displacement of hydraulic pump   |                     | 67.2 L/min                          |
|                             | Hydraulic pressure of hydraulic pump | 3553 psi            | 245 bar                             |
|                             | Pilot pump                           |                     | /                                   |
|                             | Max displacement of pilot pump       |                     | 15 L/min                            |
|                             | Hydraulic pressure of pilot pump     |                     | 32 bar                              |
| SWING MOTOR                 |                                      |                     | Piston motor                        |
| TRAVEL MOTOR                |                                      |                     | Piston motor                        |
| HYDRAULIC OIL TANK CAPACITY |                                      | 6.8 gal             | 26 L                                |

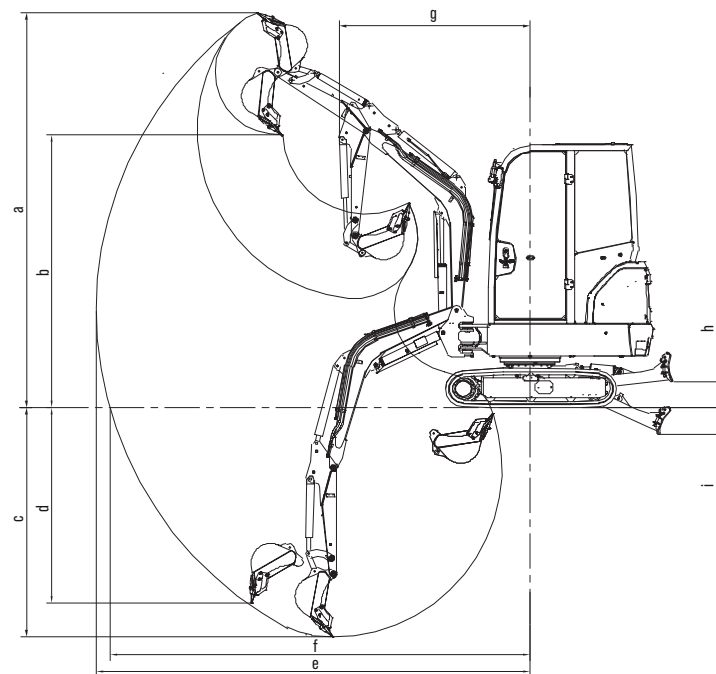
DIMENSIONS

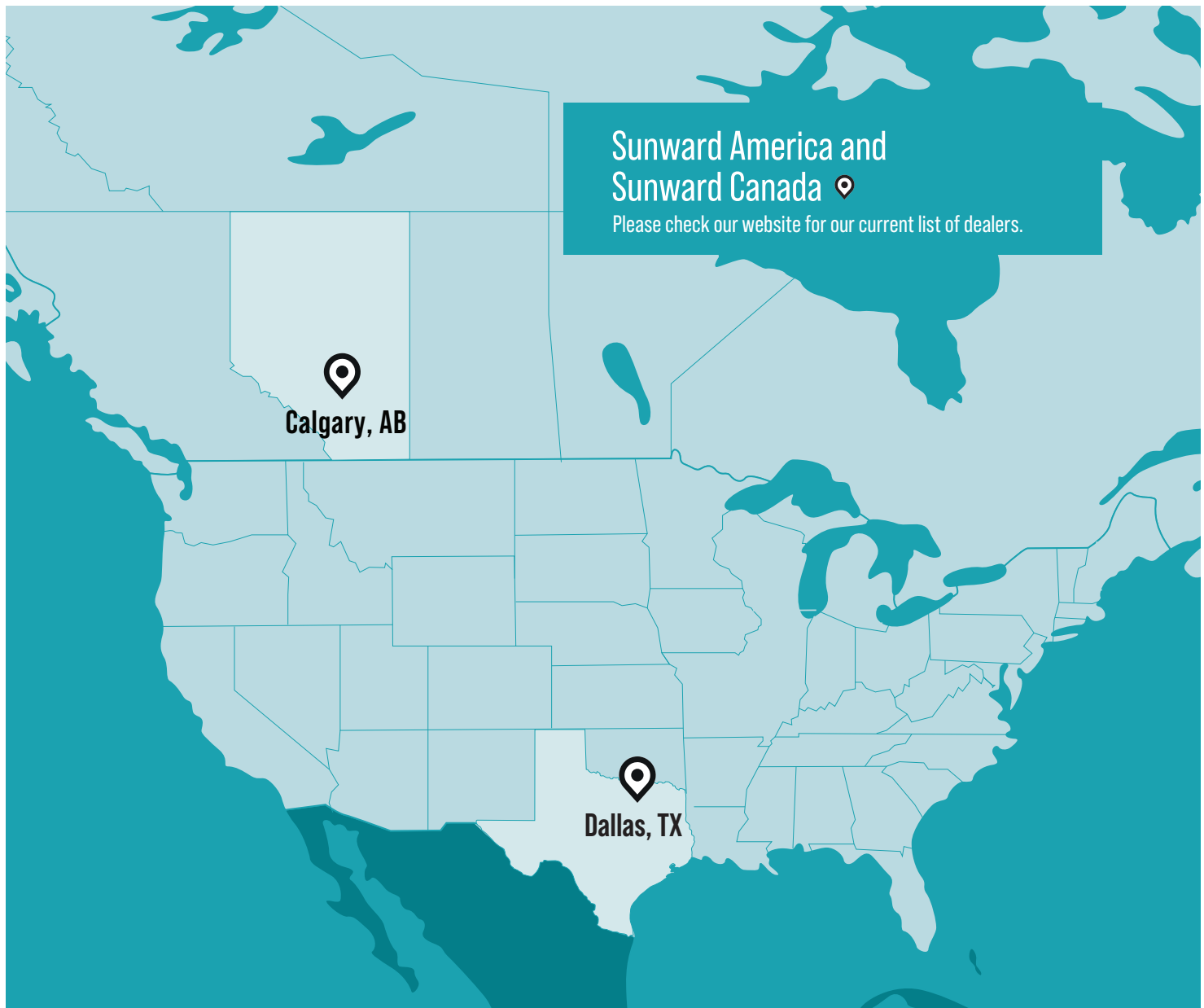




## WORKING RANGE

|                                   |   |                               |              |          |
|-----------------------------------|---|-------------------------------|--------------|----------|
| WORKING RANGE<br>& BREAKOUT FORCE | a | Max. cutting height           | (12'4")      | 3 533 mm |
|                                   | b | Max. loading height           | (8')         | 2 440 mm |
|                                   | c | Max. digging depth            | (7'10")      | 2 057 mm |
|                                   | d | Max. digging depth (2.4 m)    | (5'9")       | 1 757 mm |
|                                   | e | Max. digging reach            | (13'3")      | 3 883 mm |
|                                   | f | Max. reach on ground          | (12'11")     | 3 762 mm |
|                                   | g | Min. front swing radius       | (5'2")       | 1 580 mm |
|                                   | h | Max dozer lifting height      | (11.5")      | 240 mm   |
|                                   | i | Max dozer cutting depth       | (14.0")      | 240 mm   |
|                                   |   | Max digging force (Bucket)    | (4720.8 lbs) | 21 kN    |
|                                   |   | Max digging force (Arm)       | (2697.6lbs)  | 12 kN    |
|                                   |   | Boom swing angle (Left/Right) |              | 65/47°   |





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