



# Bobcat®

## E50

### Compact Excavators



SMOOTH  
POWER  
BY BOBCAT





### Standard Features

|                                                  |                                                          |
|--------------------------------------------------|----------------------------------------------------------|
| 1960 mm dozer blade                              | Horn                                                     |
| 400 mm rubber tracks                             | Hydraulic joystick controls                              |
| Auto idle                                        | Lockable storage compartment                             |
| Auxiliary hydraulics with quick couplers         | Radio/MP3 ready                                          |
| Blade float feature                              | Retractable seat belt                                    |
| Cab light                                        | Suspension seat with high back                           |
| Clamp ready                                      | * TOPS/ROPS cab with heating                             |
| Control console locks                            | Two-speed travel                                         |
| Cupholder                                        | Work lights (boom and upperstructure)                    |
| Engine/hydraulic monitor with shutdown           | Warranty: 12 months, 2000 hours (Whichever occurs first) |
| Fingertip auxiliary and offset hydraulic control |                                                          |

### Weights

|                                        |         |
|----------------------------------------|---------|
| Operating weight with ROPS canopy      | — kg    |
| Operating weight with ROPS cab         | 4905 kg |
| Additional weight for cab with heating | — kg    |
| Additional weight for cab with HVAC    | 140 kg  |
| Additional weight for steel tracks     | 131 kg  |
| Additional weight for long dipperstick | 235 kg  |

### Engine

|                                            |                                     |
|--------------------------------------------|-------------------------------------|
| Make / model                               | Kubota / V2403-M-D1-TE3B-BC-4       |
| Fuel / Cooling                             | Diesel / Liquid, forced circulation |
| Bore / Stroke                              | 87.1 mm / 102.4 mm                  |
| Maximum net power at 2200 RPM (SAE J1995)  | 35.4 kW                             |
| Maximum net torque at 1200 RPM (SAE J1995) | 179.5 Nm                            |
| Number of cylinders                        | 4                                   |
| Displacement                               | 2.433 l                             |

### Performance

|                                                                |          |
|----------------------------------------------------------------|----------|
| Digging force, standard dipperstick                            | 28700 N  |
| <b>Digging force, long dipperstick</b>                         | 26100 N  |
| Digging force, bucket                                          | 42000 N  |
| Drawbar pull                                                   | 52343 N  |
| Ground pressure with standard dipperstick and rubber tracks    | 26.9 kPa |
| Ground pressure with standard dipperstick and steel tracks     | 27.6 kPa |
| <b>Ground pressure with long dipperstick and rubber tracks</b> | 28.2 kPa |
| <b>Ground pressure with long dipperstick and steel tracks</b>  | 28.9 kPa |
| Travel speed, low range                                        | 3.1 km/h |
| Travel speed, high range                                       | 5.0 km/h |
| Maximum digging depth, standard dipperstick                    | 3524 mm  |
| Maximum digging depth, long dipperstick                        | 3923 mm  |

### Hydraulic System

|                                                                |                                                                       |
|----------------------------------------------------------------|-----------------------------------------------------------------------|
| Pump type                                                      | Single outlet variable displacement, load sensing torque limited pump |
| Piston pump capacity                                           | 138.5 l/min                                                           |
| Auxiliary flow                                                 | 75.7 l/min                                                            |
| Port relief pressure for boom, bucket and dipperstick circuits | 290 Bar                                                               |

### Fluid Capacities

|                                                                                                  |        |
|--------------------------------------------------------------------------------------------------|--------|
| Cooling system                                                                                   | 8.3 l  |
| Engine lubrication plus oil filter                                                               | 7.1 l  |
| Fuel reservoir                                                                                   | 79.9 l |
| Hydraulic reservoir                                                                              | 15.1 l |
| Hydraulic system with bucket and dipper cylinder retracted, bucket on the ground, and blade down | 54.9 l |

### Controls

|                      |                                                                                     |
|----------------------|-------------------------------------------------------------------------------------|
| Steering             | Direction and speed controlled by two pilot-operated hand levers or two foot pedals |
| Auxiliary hydraulics | Electric switch in right joystick (left joystick for 2 <sup>nd</sup> auxiliary)     |

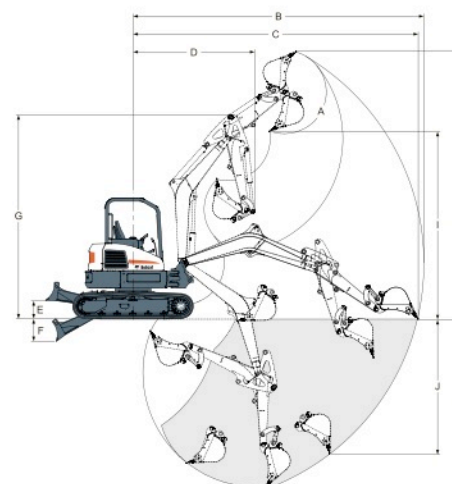
### Slew System

|                   |         |
|-------------------|---------|
| Boom swing, left  | 75°     |
| Boom swing, right | 50°     |
| Slew rate         | 9.0 RPM |

### Traction

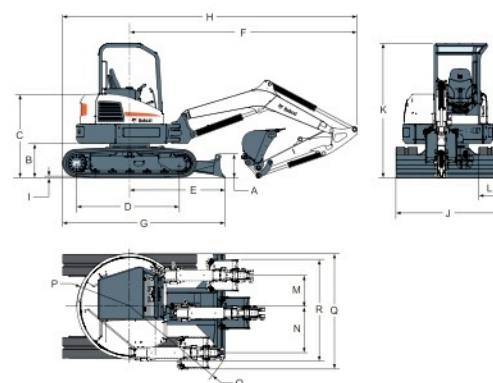
|              |        |
|--------------|--------|
| Track width  | 400 mm |
| Gradeability | 30°    |

### Working Range



|     |         |     |         |     |         |
|-----|---------|-----|---------|-----|---------|
| (B) | 6441 mm | (G) | 4263 mm | (I) | 4179 mm |
| (C) | 6333 mm | (H) | 5850 mm | (J) | 3199 mm |
| (D) | 2639 mm | (E) | 385 mm  | (K) | 3923 mm |
| (A) | 185°    | (F) | 465 mm  | (L) | 3924 mm |
| (B) | 6062 mm | (G) | 4263 mm | (J) | 2815 mm |
| (C) | 5939 mm | (H) | 5595 mm | (K) | 3524 mm |
| (D) | 2541 mm |     |         |     |         |

### Dimensions



|     |         |     |         |     |         |
|-----|---------|-----|---------|-----|---------|
| (F) | 4302 mm | (H) | 5563 mm | (O) | 2113 mm |
| (A) | 446 mm  | (G) | 3049 mm | (M) | 586 mm  |
| (B) | 640 mm  | (H) | 5555 mm | (N) | 675 mm  |
| (C) | 1575 mm | (I) | 25 mm   | (O) | 2027 mm |
| (D) | 1998 mm | (J) | 1960 mm | (P) | 997 mm  |
| (E) | 1788 mm | (K) | 2532 mm | (P) | 1071 mm |
| (F) | 4294 mm | (L) | 400 mm  | (Q) | 2249 mm |
|     |         |     |         | (Q) | 2074 mm |

### Options

|                                                |                                                        |
|------------------------------------------------|--------------------------------------------------------|
| Air conditioning (Cab with HVAC)               | Lifting chain kit                                      |
| Long dipperstick with extra counterweight      | Travel motion alarm                                    |
| 2 <sup>nd</sup> Auxiliary hydraulics           | 400 mm Steel tracks                                    |
| Deluxe textile suspension seat                 | Beacon kit                                             |
| Boom safety valve with overload warning        | Left and right mirror kit                              |
| Boom & arm safety valves with overload warning | Additional work light kit                              |
| AM/FM MP3 stereo radio                         | Rubber bolt-on pads for steel tracks                   |
| FOGS kit (Overhead guard)                      | Special applications kit (Front windscreen protection) |

### Attachments

|                   |                             |
|-------------------|-----------------------------|
| Auger             | Digging bucket              |
| Grading bucket    | Tilt rotator                |
| Hydraulic breaker | Tilt bucket / Swivel bucket |
| Hydraulic clamp   |                             |



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