

**SPECIFICATION**

# EASY — IN A — HARD WORLD



**TANDEM VIBRATORY ROLLERS** | CT160 / 260 / 380 / 430

Operating weight: 1,710 - 4,500kg   Engine power: 14.2 - 36.5kW   Drum width: 800 - 1,400mm



# EASY IN A HARD WORLD.

The JCB CT tandem rollers have been designed to be easy to use, easy to be productive, easy to keep safe and secure and easy to service. The simple drum offset increases the efficiency and the chamfered drum edges create a smooth finish. They are also trailer towable for ease of transport.



## EASY TO BE PRODUCTIVE.

The CT tandem rollers feature high centrifugal forces and static linear loads for the best compaction performance – dynamically or statically – on aggregates or asphalt.



## EASY AND EFFICIENT.

The JCB CT tandem rollers have been designed to be easy to use, easy to be productive, easy to keep safe and secure and easy to service.

## EASY TO USE.

With a simple, intuitive control layout and superior operator comfort, our new tandem rollers make working not just easy but also a pleasure.



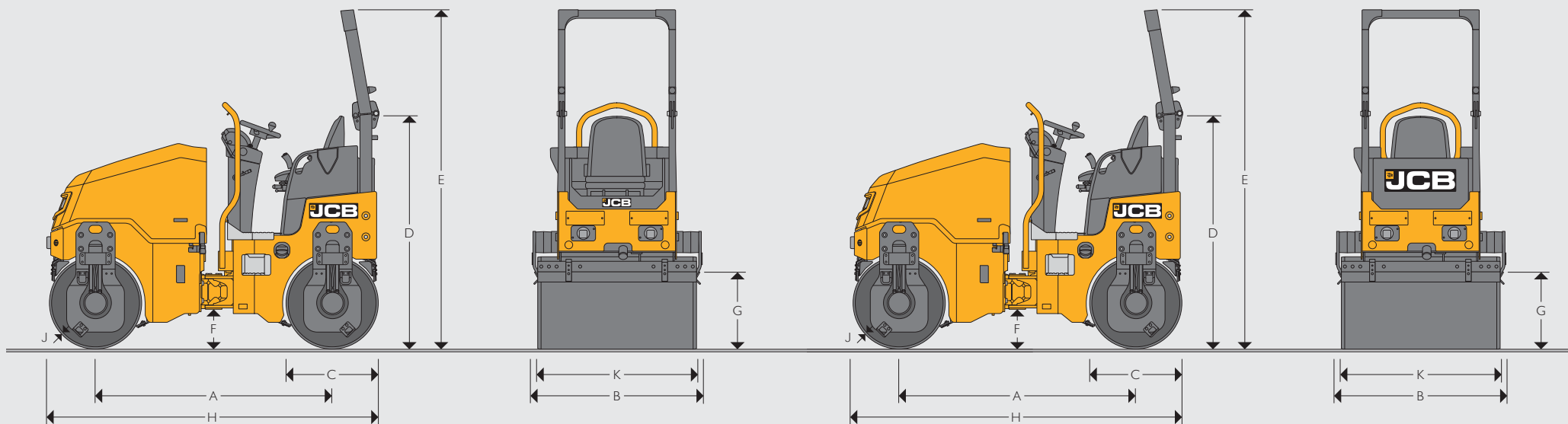
## EASY TO SERVICE.

Easy access engine service points, longer service intervals and many zero maintenance parts, our CT tandem rollers are easy to maintain.

## EASY TO KEEP SAFE AND SECURE.

With JCB's LiveLink telematics system as standard, plus many built-in safety features, the CT tandem rollers give you complete peace of mind.

STATIC DIMENSIONS



STATIC DIMENSIONS

|   |                       |    | CT160-80 | CT160-100 | CT260-100 | CT260-120 | CT380-130 | CT430-140 |
|---|-----------------------|----|----------|-----------|-----------|-----------|-----------|-----------|
| A | Wheelbase             | mm | 1560     | 1560      | 1790      | 1790      | 2020      | 2020      |
| B | Overall width         | mm | 960      | 1090      | 1095      | 1295      | 1390      | 1490      |
| C | Drum diameter         | mm | 580      | 580       | 700       | 700       | 800       | 800       |
| D | Height to top of seat | mm | 1650     | 1650      | 1755      | 1755      | 1720      | 1720      |
| E | Height to top of ROPS | mm | 2485     | 2485      | 2510      | 2510      | 2550      | 2550      |
| F | Ground clearance      | mm | 255      | 255       | 270       | 270       | 300       | 300       |
| G | Curb clearance        | mm | 510      | 510       | 560       | 560       | 680       | 680       |
| H | Total travel length   | mm | 2140     | 2140      | 2490      | 2490      | 2830      | 2830      |
| J | Drum thickness        | mm | 12       | 12        | 12        | 12        | 17        | 17        |
| K | Drum width            | mm | 800      | 1000      | 1000      | 1200      | 1300      | 1400      |

| OPERATING DATA                             |          |      |           |      |           |      |           |      |           |      |           |      |      |
|--|----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|------|
|  | CT160-80 |      | CT160-100 |      | CT260-100 |      | CT260-120 |      | CT380-130 |      | CT430-140 |      |      |
| Nominal weight                             | kg       | 1630 |           | 1710 |           | 2280 |           | 2420 |           | 3820 |           | 4220 |      |
| Operating weight (CECE)                    | kg       | 1710 |           | 1790 |           | 2420 |           | 2560 |           | 4100 |           | 4500 |      |
| Maximum operating weight                   | kg       | 1790 |           | 1870 |           | 2600 |           | 2740 |           | 4400 |           | 4850 |      |
| Operating weight front                     | kg       | 800  |           | 840  |           | 1190 |           | 1260 |           | 2050 |           | 2250 |      |
| Operating weight rear                      | kg       | 910  |           | 950  |           | 1230 |           | 1300 |           | 2050 |           | 2250 |      |
| Working width                              | mm       | 800  |           | 1000 |           | 1000 |           | 1200 |           | 1300 |           | 1400 |      |
| Operating linear load                      | kg/cm    | 10.0 | 11.4      | 8.4  | 9.5       | 11.9 | 12.3      | 10.5 | 10.9      | 15.8 | 15.8      | 16.1 | 16.1 |
| Exciter frequency                          | Hz       | 50   | 66        | 50   | 66        | 50   | 66        | 50   | 66        | 50   | 60        | 50   | 60   |
| Nominal amplitude                          | mm       | 0.41 |           | 0.35 |           | 0.56 |           | 0.51 |           | 0.50 |           | 0.50 |      |
| Centrifugal force (each drum)              | kN       | 10.9 | 19.1      | 10.9 | 19.1      | 23.6 | 41.1      | 23.6 | 41.1      | 41   | 59        | 44   | 63   |
| Max. Working speed                         | km/h     | 9    |           | 9    |           | 10   |           | 10   |           | 10   |           | 10   |      |
| Drum offset left / right - manual (option) | mm       | 56   |           | 56   |           | 60   |           | 60   |           | 80   |           | 80   |      |
| Steering angle                             | degrees  | ±33  |           | ±33  |           | ±33  |           | ±33  |           | ±34  |           | ±34  |      |
| Oscillation angle                          | degrees  | ±8   |           | ±8   |           | ±8   |           | ±8   |           | ±13  |           | ±13  |      |
| Inner turn radius                          | mm       | 2160 |           | 2090 |           | 2475 |           | 2375 |           | 2665 |           | 2615 |      |
| Gradeability with vibration up to          | %        | 25   |           | 25   |           | 30   |           | 30   |           | 30   |           | 30   |      |
| Gradeability without vibration up to       | %        | 35   |           | 35   |           | 40   |           | 40   |           | 40   |           | 40   |      |

| ENGINE              |  |  |  |  |             |
|---------------------|--|--|--|--|-------------|
|                     | CT160  | CT260  | CT380  | CT430  |             |
| Make                | Kubota   | Kubota   | Kohler   | Kohler   |             |
| Model               | D1005-E4B-EU                                       | D1703-M-DI-E4B                                     | KD11903  | KD11903  |             |
| Type                | 3 cylinder, water-cooled four-stroke diesel engine | 3 cylinder, water-cooled four-stroke diesel engine | 3 cylinder, water-cooled four-stroke diesel engine | 3 cylinder, water-cooled four-stroke diesel engine |             |
| Piston displacement | cm <sup>3</sup>                                    | 1001   | 1647   | 1861   | 1861        |
| Performance         | kW (hp)  | 14.2 (19.0)  | 18.2 (24.4)  | 36.5 (48.9)  | 36.5 (48.9) |
| Operating speed     | rpm  | 2550   | 2200   | 2600   | 2600        |
| Starting device     | Electric motor                                     | Electric motor                                     | Electric motor                                     | Electric motor                                     |             |
| Air cleaner         | Dry cartridge + safety cartridge                   | Dry cartridge + safety cartridge                   | Dry cartridge + safety cartridge                   | Dry cartridge + safety cartridge                   |             |
| Fuel filler         | Cartridge  | Cartridge  | Cartridge  | Cartridge  |             |

| PROPULSION |  |
|------------|--|
|            | Hydrostatic with variable displacement pump and fixed displacement motors with direct drive to both drums = double drum drive. |

| EXCITER DRIVE |   |
|---------------|---|
|               | Electronically controlled hydrostatic direct drive on both drums for double vibration or single vibration front or rear, AVC (automatic vibration control). |

| EXCITER |                                |
|---------|--------------------------------|
|         | Single-shaft circular exciter. |

| STEERING SYSTEM |   |
|-----------------|---|
|                 | Servo assisted, maintenance free centre articulation with oscillation facility. |

| SERVICE CAPACITIES            |        |       |       |       |       |
|-------------------------------|--------|-------|-------|-------|-------|
|                               |        | CT160 | CT260 | CT380 | CT430 |
| Fuel tank capacity            | litres | 33    | 46    | 60    | 60    |
| Sprinkler water tank capacity | litres | 100   | 197   | 210   | 210   |

| BRAKING SYSTEM        |  |
|-----------------------|--|
| <b>Service brake:</b> | Hydrostatic propulsion system.                     |
| <b>Parking brake:</b> | Hydraulically-released brake on both drums (SAHR). |

| WATER SYSTEM |   |
|--------------|---|
|              | Pressurised sprinkling system, adjustable scrapers (two each drum), changeable nozzles, multiple water filtering. |

| ELECTRICAL SYSTEM         |    |       |       |       |       |
|---------------------------|----|-------|-------|-------|-------|
|                           |    | CT160 | CT260 | CT380 | CT430 |
| Electrical system voltage | V  | 12    | 12    | 12    | 12    |
| Battery capacity          | Ah | 62    | 62    | 74    | 74    |
| Alternator                | A  | 60    | 70    | 100   | 100   |

| DRIVERS STAND / INSTRUMENTS |   |
|-----------------------------|---|
|                             | Fuel, battery charging current, sprinkler system, parking brake, hour meter, engine oil pressure, air filter condition, hydraulic oil level and temperature, water level indicator, cup holder, comfortable adjustable operator seat and safety belt, flashing amber beacon, fan guard, locking instrument panel cover, reverse alarm, foldable ROPS, operator presence detection, seat belt detection. |

| OPTIONS |   |
|---------|---|
|         | Foldable ROPS, road light kit, seat belt activated green beacon, key immobiliser, UK language pack (green beacon, amber seat belt, Cesar Datatag), Italian road homologation kit, tool kits.  |
|         | CT380/430 only:<br>Edge cutting & pressing device<br>PRO PACKAGE CT380/430: 2nd drive lever, foldable and spring-loaded drum scrapers, white noise reverse alarm, additional LED working lights on ROPS asphalt temperature sensor. |









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**Tandem Vibratory Rollers CT160 / 260 / 380 / 430**

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