



JCB MIDI EXCAVATOR | 8055 (RTS)

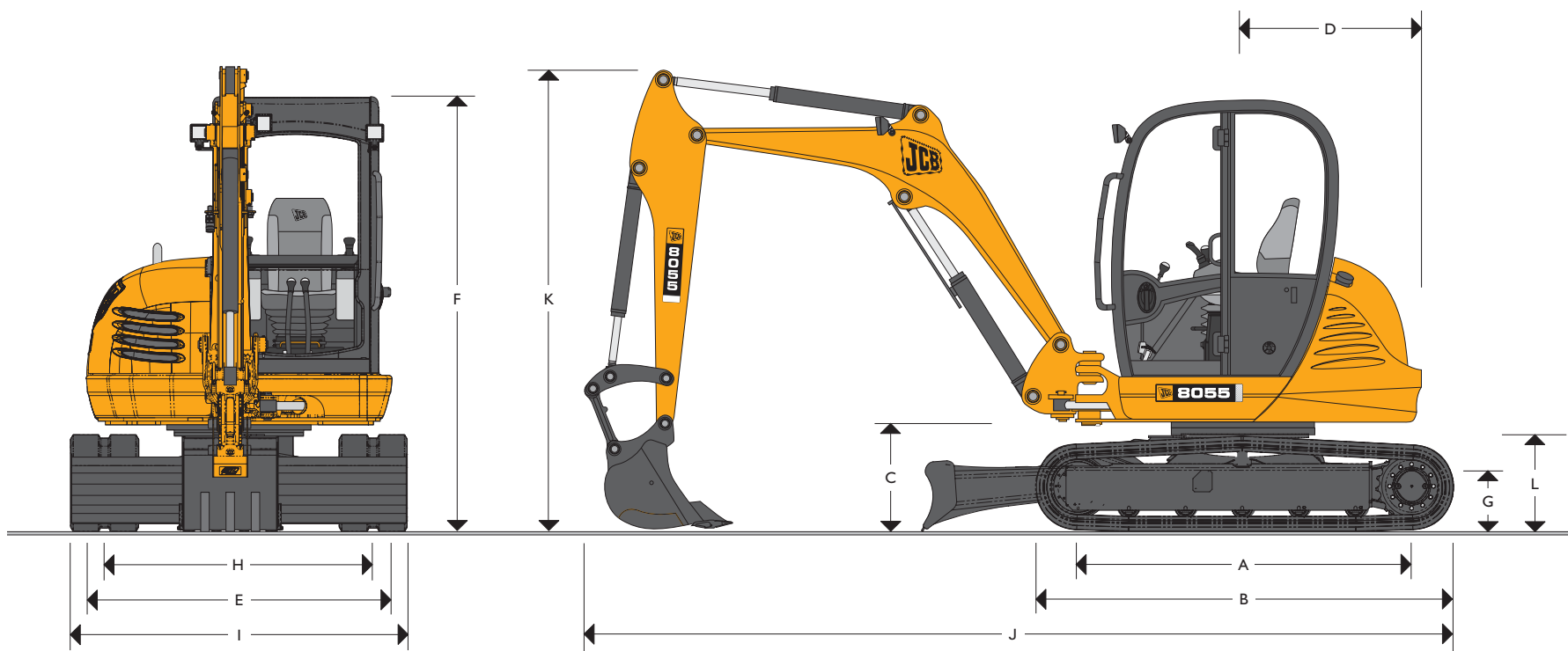


OPERATING WEIGHT:

11660 lbs (5300 kg)

NET ENGINE POWER:

45.7 hp (34.1 kW) Tier III



STATIC DIMENSIONS

| Machine model | 8055 |
|---|-------------|
| | mm (ft-in) |
| A Sprocket idler centres – rubber | 1991 (6-6) |
| Sprocket idler centres – steel | 2006 (6-7) |
| B Undercarriage overall length – rubber | 2516 (8-3) |
| Undercarriage overall length – steel | 2531 (8-4) |
| C Kingpost clearance | 682 (2-3) |
| D Tailswing radius | 1055 (3-5) |
| E Overall width of superstructure | 1800 (5-11) |

| Machine model | 8055 |
|---|--------------|
| | mm (ft-in) |
| F Height over cab | 2563 (8-5) |
| G Ground clearance | 340 (1-1) |
| H Track gauge | 1600 (5-3) |
| I Width over tracks | 2000 (6-7) |
| J Transport length with standard dipper | 5153 (16-11) |
| K Transport height | 2758 (9-1) |
| L Track height | 650 (2-2) |

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ENGINE

| Machine Model | | 8055 |
|-------------------------|------------------------|---------------------------|
| Model | | Isuzu 4LE-1NA Tier III |
| Fuel | | Diesel |
| Cooling | | Water Cooled |
| Gross power | kW (hp) @ 2600 rpm | 35.9 (48.1) |
| Net power | kW (hp) @ 2600 rpm | 34.1 (45.7) |
| Gross torque | Nm (lbf ft) @ 1800 rpm | 140 (103) |
| Net torque | Nm (lbf ft) @ 1800 rpm | 134.4 (99.1) |
| Displacement | cid (cc) | 132 (2179) |
| Gradeability | degrees | 35 |
| Battery | volt/amps | 12 / 75Ah |
| Alternator | amps | 80 (120) |
| Emissions Certification | | U.S. Tier III, EU Stage 3 |

UNDERCARRIAGE

| Machine model | | 8055 |
|---------------------------------|---------------------------|--------------|
| No of bottom rollers (per side) | | 5 |
| Track width | in (mm) | 15¼ (400) |
| Ground bearing pressure | psi (kg/cm ²) | 4.7 (0.333) |
| Ground clearance | in (mm) | 1-1 (340) |
| Track tensioning | | Grease |
| Travel speed – low | mph (kph) | 1.7 (2.7) |
| Travel speed – high | mph (kph) | 3.2 (5.1) |
| Tractive effort | lbf (kN) | 13646 (60.7) |

SERVICE CAPACITIES

| Machine model | | 8055 |
|------------------|-----------------|------------|
| Fuel tank | US Gal (liters) | 18 (68) |
| Engine coolant | US Gal (liters) | 3.6 (13.5) |
| Engine oil | US Gal (liters) | 2.3 (9) |
| Hydraulic system | US Gal (liters) | 25.9 (98) |
| Hydraulic tank | US Gal (liters) | 14.52 (55) |
| | | |
| | | |
| | | |

HYDRAULIC SYSTEM

| Machine Model | | 8055 |
|-----------------------------|-------------------------|------------|
| Pump | cid (cc) | 3.8 (63) |
| Nominal output | US gal/min (liters/min) | 43 (163) |
| Excavator/track main relief | psi (bar) | 3626 (250) |
| Slew main relief | psi (bar) | 3191 (220) |
| Auxiliary hydraulic flow | US gal (liters) | 23.8 (90) |
| Auxiliary low flow | US gal (liters) | 6.6 (25) |
| Auxiliary high flow | US gal (liters) | 37 (140) |
| Hydraulic motors | | Piston |

OPERATOR ENVIRONMENT

| | | External | Internal |
|-----------------------------------|------------|-------------|-------------|
| Cab/canopy height with FOGS guard | ft-in (mm) | 8-5 (2563) | 5-1 (1550) |
| Cab/canopy height no FOGS guard | ft-in (mm) | 8-5¼ (2575) | 5-1 (1550) |
| Cab/canopy length | ft-in (mm) | 4-4 (1328) | 3-11 (1187) |
| Cab/canopy width | ft-in (mm) | 3-2½ (980) | 3-1 (933) |
| Distance from seat base to roof | ft-in (mm) | 5-2 (1570) | 5-2 (1570) |
| Door aperture width | ft-in (mm) | 1-10 (564) | 1-10 (564) |

MACHINE WEIGHTS

| Machine model | | 8055 |
|-------------------|---------|----------------|
| Operating weight* | lb (kg) | 11660 (5300) |
| Transport weight | lb (kg) | 11495 (5225) |
| With canopy | lb (kg) | -176.0 (-80.0) |
| With FOGS guard | lb (kg) | +55 (+25) |

*Operating weight to ISO 6016 including cab, rubber tracks, standard dipper, 18in (460mm) bucket, full tanks and a 165lb (75kg) operator.

DOZER BLADE

| Machine model | | 8055 |
|---------------------------|------------|------------|
| Max height (above ground) | ft-in (mm) | 1-5 (432) |
| Dig depth (below ground) | ft-in (mm) | 1-10 (553) |
| Approach angle | degrees | 27.5 |
| Width | mm (ft-in) | 6-7 (2020) |
| Height | mm (ft-in) | 1-4 (411) |

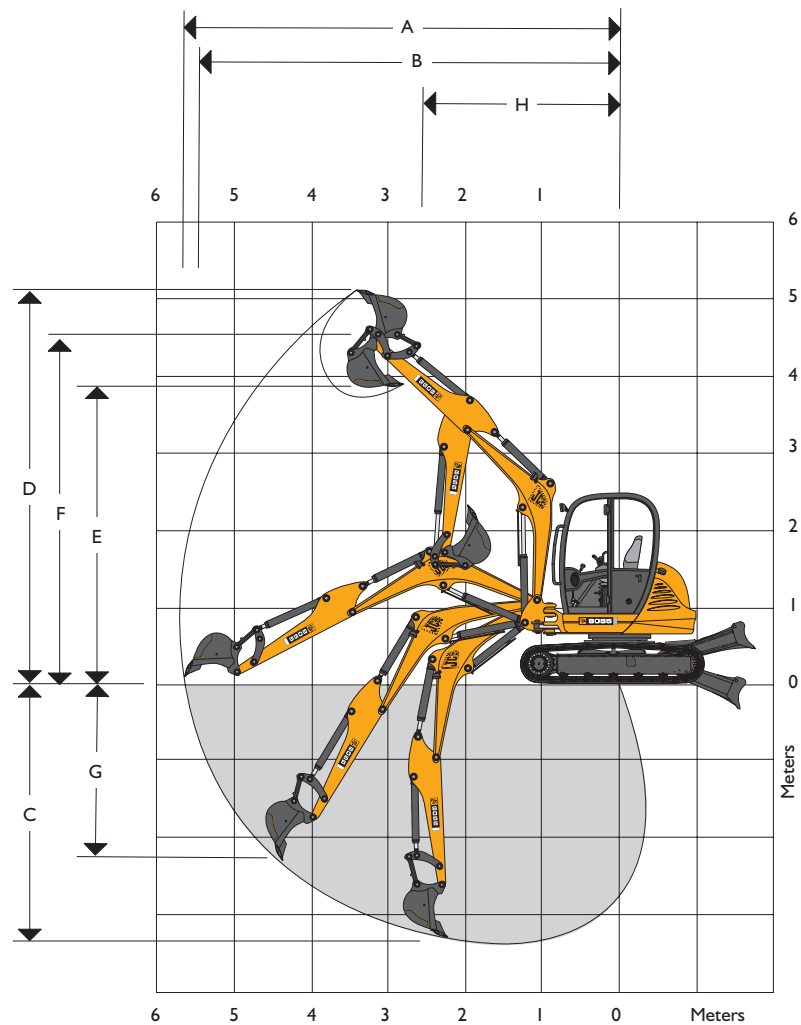
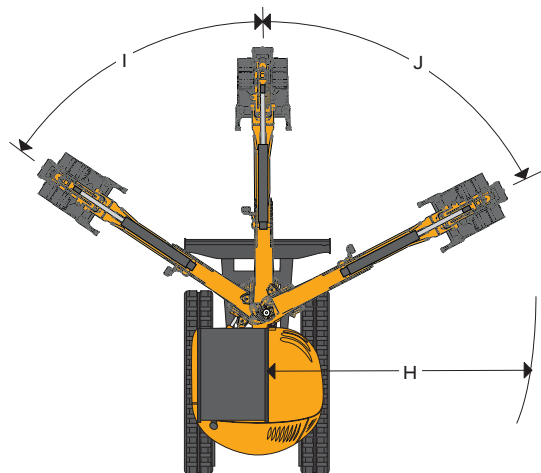


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WORKING RANGE

| Machine model | | 8055 |
|--|------------|---------------|
| Dipper length | ft-in (mm) | 6-3 (1900) |
| A Max digging reach | ft-in (mm) | 19-10 (6050) |
| B Max digging reach on ground | ft-in (mm) | 19-6 (5933) |
| C Max digging depth – dozer up | ft-in (mm) | 12-4 (3760) |
| D Max digging height | ft-in (mm) | 18-1 (5525) |
| E Max dump height | ft-in (mm) | 13-6 (4106) |
| F Max height to dipper nose pivot pin | ft-in (mm) | 15-8 (4787) |
| G Max vertical wallcut depth | ft-in (mm) | 8-11 (2705) |
| H Min. front swing radius (no offset) | ft-in (mm) | 9-6 (2891) |
| H Min. front swing radius (fully offset) | ft-in (mm) | 7-2 (2186) |
| I Boom swing left | degrees | 60 |
| J Boom swing right | degrees | 65 |
| Bucket rotation | degrees | 197 |
| Dipper rotation | degrees | 126 |
| Bucket tearout | lbf (kN) | 9486.9 (42.2) |
| Dipper tearout | lbf (kN) | 6249.7 (27.8) |
| Slew speed | rpm | 10 |



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By making constant and massive investments in the latest production technology, the JCB factories have become some of the most advanced in the world.

By leading the field in innovative research and design, extensive testing and stringent quality control, JCB machines have become renowned all over the world for performance, value and reliability.

And with an extensive dealer sales and service network in over 150 countries, we aim to deliver the best customer support in the industry.

Through setting the standards by which others are judged, JCB has become one of the world's most impressive success stories.



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