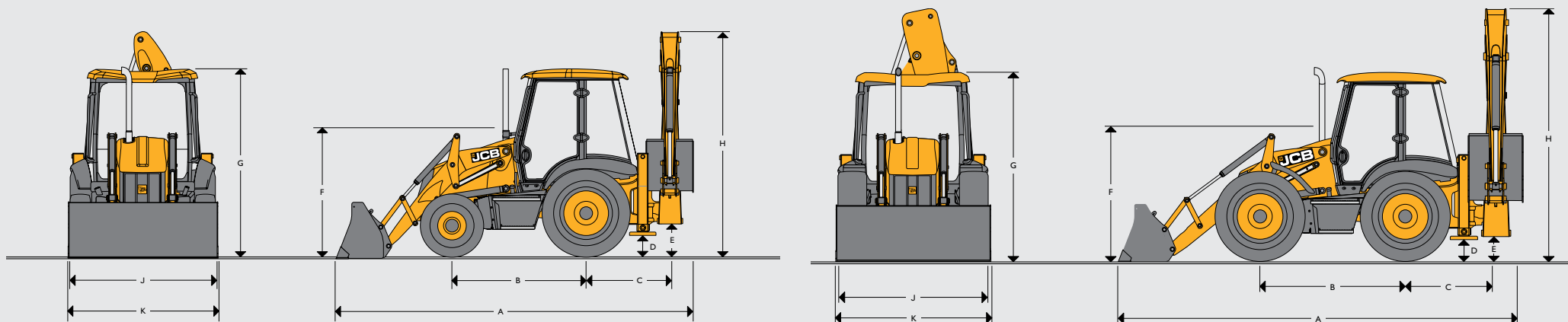
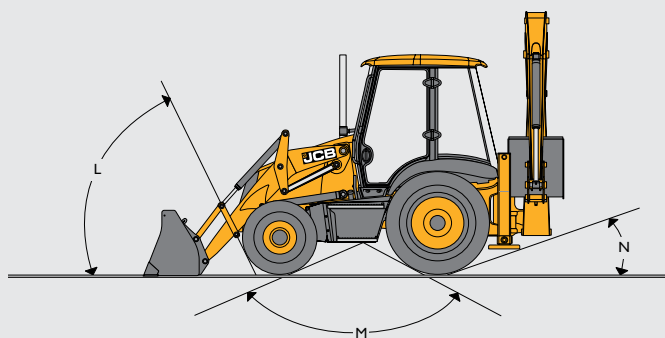


STATIC DIMENSIONS



| Dimensions in mm | | 3CX Eco | | 3CX Eco Sitemaster | | 3CX Eco Contractor | | 3CX Eco Super | | 3CX Eco Super Sitemaster | | 4CX | | 4CX Sitemaster | | 4CX Super | | 4CX Super Sitemaster | | 4CN | |
|------------------|--|---------|-------|--------------------|-------|--------------------|-------|---------------|------|--------------------------|------|------|------|----------------|------|-----------|------|----------------------|------|------|------|
| A | Total travel length | 5.62 | | 5.62 | | 5.62 | | 5.91 | | 5.91 | | 5.91 | | 5.91 | | 5.91 | | 5.91 | | 7.53 | |
| B | Axle centreline distance | 2.17 | | 2.17 | | 2.17 | | 2.22 | | 2.22 | | 2.22 | | 2.22 | | 2.22 | | 2.22 | | 2.32 | |
| C | Slew centre to rear axle centre distance | 1.36 | | 1.36 | | 1.36 | | 1.36 | | 1.36 | | 1.36 | | 1.36 | | 1.36 | | 1.36 | | 1.20 | |
| D | Stabiliser feet clearance | 0.37 | | 0.37 | | 0.37 | | 0.33 | | 0.33 | | 0.34 | | 0.34 | | 0.34 | | 0.34 | | 0.41 | |
| E | Kingpost clearance | 0.52 | | 0.52 | | 0.52 | | 0.48 | | 0.48 | | 0.50 | | 0.50 | | 0.50 | | 0.50 | | 0.50 | |
| F | Steering wheel centre height | 1.94 | | 1.94 | | 1.94 | | 1.86 | | 1.86 | | 1.88 | | 1.88 | | 1.88 | | 1.88 | | 1.88 | |
| G | Cab roof height | 3.03 | | 3.03 | | 3.03 | | 2.98 | | 2.98 | | 3.03 | | 3.03 | | 3.03 | | 3.03 | | 3.03 | |
| H | Total travel clearance | 3.61 | | 3.61 | | 3.61 | | 3.48 | | 3.56 | | 3.54 | | 3.62 | | 3.97 | | 3.97 | | 3.91 | |
| J | Rear frame width | 2.35 | 2.24* | 2.35 | 2.24* | 2.35 | 2.24* | 2.24 | 2.24 | 2.24 | 2.24 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 | 2.36 |
| K | Shovel width | 2.35 | 2.23* | 2.35 | 2.23* | 2.35 | 2.23* | 2.23 | 2.23 | 2.23 | 2.23 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 |
| K | Shovel width - option | - | - | - | - | - | - | - | - | - | - | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | 2.44 | - | - |

* Narrow option



GROUND LINE ANGLES

| Machine model | | 3CX, 3CX Sitemaster, 3CX Sitemaster | | 3CX Super, 3CX Super Sitemaster | | 4CX All models | |
|---------------|---|-------------------------------------|------|---------------------------------|------|----------------|------|
| L | Approach angle | degrees | 66° | 74° | 74° | 74° | 74° |
| M | Interference angle/ramp to ground plane | degrees | 120° | 118° | 118° | 118° | 118° |
| N | Departure angle | degrees | 20° | 19° | 19° | 19° | 19° |

ENGINE (Stage II / Stage IIIb)

| Model | 3CX Eco, Sitemaster | 3CX Eco, Sitemaster, Super, Super Sitemaster | 3CX Eco Contractor | 4CX All models |
|-----------------------------------|---------------------|--|----------------------------|----------------------------|
| Engine standard | Stage IIIb | Stage IIIb | Stage IIIb | Stage IIIb |
| Manufacturer | JCB | JCB | JCB | JCB |
| Aspiration | Turbocharged | Turbocharged | Turbocharged & Intercooled | Turbocharged & Intercooled |
| Displacement | litre | 4.4 | 4.4 | 4.4 |
| No. of cylinders | | 4 | 4 | 4 |
| Bore | mm | 103 | 103 | 103 |
| Stroke | mm | 132 | 132 | 132 |
| Rated engine | rpm | 2200 | 2200 | 2200 |
| Power ratings | | | | |
| Rated ISO 14396 (SAE J1995 Gross) | kW | 63 | 68.6 | 74.2 |
| Maximum torque | | Stage II / Stage IIIb | Stage II / Stage IIIb | Stage II / Stage IIIb |
| Max. torque rpm | Nm | 320/362 | 400/408 | 425/440 |
| Max. torque rpm | rpm | 1200 | 1400 | 1300 |

ELECTRICAL AND INSTRUMENTATION

| | |
|----------------------|--|
| Gauges | Tachometer, engine coolant temp, fuel level, hourmeter, clock |
| Warning system | Audible and visual system. Engine oil, water in fuel, transmission oil temperature and pressure, park brake, air cleaner, alternator |
| Battery | 900 CCA/110 A/hr |
| Pre-wire | Radio speakers (cab), beacon (all) |
| Horn | Controlled from both front and rear |
| Alternator | 95 amp standard |
| Front working lights | 4 adjustable |
| Rear working lights | 4 adjustable |

ENGINE SUPPORT SYSTEM

| | |
|----------------------------|---|
| Fuel type | Diesel |
| Fuel filter | Replaceable cartridge plus water/sediment separator prefilter |
| Air cleaner | Dual, dry element type, with self cleaning internal air intake precleaner |
| Oil filter and lubrication | Full flow, spin-on type filter |
| Cooling system | Hot climate specification, pressurised 1.0 bar suction fan. Pressurised recovery tank with integral filler neck |

TRANSMISSION

| Model | 2WS 63kW | | 2WS 68.6kW | | 2WS 74.2kW | | AWS 68.6kW | | AWS 74.2kW | |
|----------------|---------------|---------------|------------|------------|------------|------------|---------------|------------|------------|------------|
| | JCB | JCB | JCB | JCB | JCB | JCB | JCB | JCB | JCB | JCB |
| Manufacturer | JCB | JCB | JCB | JCB | JCB | JCB | JCB | JCB | JCB | JCB |
| Type | Syncroshuttle | Syncroshuttle | Powershift | Autoshift | Powershift | Autoshift | Syncroshuttle | Powershift | Powershift | Autoshift |
| Gear selection | Manual | Manual | Powershift | Powershift | Powershift | Powershift | Manual | Powershift | Powershift | Powershift |
| Torque/lock | N/A | N/A | Optional | Optional | Standard | Optional | N/A | Optional | Standard | Optional |
| Gear 1 | 6.2 | 6.2 | 5.4 | 5.1 | 5.4 | 5.1 | 5.7 | 4.9 | 5.0 | 4.9 |
| Gear 2 | 10.0 | 10.0 | 10.0 | 8.6 | 10.0 | 8.6 | 9.1 | 8.6 | 9.3 | 8.1 |
| Gear 3 | 21.3 | 21.3 | 22.5 | 11.6 | 22.5 | 11.6 | 19.6 | 19.8 | 21.5 | 11 |
| Gear 4 | 39.8 | 39.8 | 38.3 | 18.7 | 38.3 | 18.7 | 37.1 | 37.1 | 38.1 | 17.7 |
| Gear 5 | - | - | - | 31.3 | - | 31.1 | - | - | - | 29.6 |
| Gear 6 | - | - | - | 38.3 | - | 38.3 | - | - | - | 38.1 |

OPERATING WEIGHTS

| Machine model | 3CX | 3CX Sitemaster | 3CX Contractor | 3CX Super | 3CX Super Sitemaster | 4CX | 4CX Sitemaster | 4CX Super | 4CX Super Sitemaster | 4CN |
|-----------------|-----|----------------|----------------|-----------|----------------------|------|----------------|-----------|----------------------|------|
| Fixed dipper | kg | 7702 | - | - | 7999 | - | 8178 | - | 8394 | - |
| Extended dipper | kg | 8102 | 8102 | 8102 | 8399 | 8578 | 8578 | 8794 | 8794 | 8846 |

Measured with 6-in-1, 600mm bucket, full fuel tank and operator
Actual weight will vary depending on machine options.

FRONT AXLE

| Model | 3CX 2WD | 3CX 4WD, 3CX Sitemaster, 3CX Contractor | 3CX Super, 3CX Super Sitemaster | 4CX All models |
|---------------------|---------------|---|---|--|
| Type | Flame cut bar | JCB steer drive with torque proportional | JCB 4WD steer drive with torque proportio | JCB epicyclic hub reduction with torque proportional |
| Limited slip | - | - | - | Option |
| Axle ratings | kg | kg | kg | kg |
| Static load rating | 16500 | 16500 | 25000 | 25000 |
| Dynamic load rating | 8300 | 8300 | 12500 | 12500 |
| Oscillation angle | 16° | 16° | 16° | 16° |

REAR AXLE

| Model | 3CX, 3CX Contractor, 3CX Sitemaster | 3CX Super, 3CX Super Sitemaster | 4CX All models |
|---------------------|--|--|--|
| Type | JCB epicyclic hub reduction with torque proportional | JCB 4WD steer drive with torque proportional | JCB epicyclic hub reduction with torque proportional |
| Limited slip | Option | Option | Option |
| Axle ratings | kg | kg | kg |
| Static load rating | 25000 | 25000 | 25000 |
| Dynamic load rating | 12500 | 12500 | 12500 |

STEERING

| Model | 3CX, 3CX Contractor, 3CX Sitemaster | 3CX Super, 3CX Super Sitemaster | 4CX All models |
|---------------------------------------|--|------------------------------------|-------------------|
| Axles | Steer drive | Steer drive | Steer drive |
| Steering turns - lock to lock | 2¾ | 2¾ | 2¾ |
| | m | m | m |
| Kerb – kerb turning circle - unbraked | 8.1 | 9.35 | 9.1 |
| Loader clearance circle - unbraked | 10.4 | 11.15 | 10.7 |
| Kerb – kerb turning circle - braked | 6.9 | 8.0 | 8.0 |
| Loader clearance circle - braked | 9.5 | 9.5 | 9.5 |

(Depending on tyre size, ground conditions etc.)

SERVICE CAPACITIES

| Model | | 3CX All models | 4CX All models |
|-----------------------------|-----|----------------|----------------|
| Cooling system | ltr | 18.5 | 18.5 |
| Fuel tank | ltr | 160 | 160 |
| Engine oil with filter | ltr | 15 | 15 |
| Gearbox with filter | ltr | 16 | 16 |
| Rear axle | ltr | 16 | 16 |
| Front drive axle | ltr | 16 | 16 |
| Hydraulic system incl. tank | ltr | 117 | 117 |

OPTIONAL ACCESSORIES

Key/keypad immobiliser, Sitemaster, Michelin or Goodyear Brands of tyres with a selection of traction/industrial tread in a crossply/ radial construction, Powershift/Autoshift transmissions, JCB TorqueLock, JCB Powerslide, Standard excavator buckets (300mm to 900mm), Deep profile excavator buckets (300mm to 940mm), Ditching buckets, General purpose/6-in-1 front shovels, Manual/ hydraulic front quickhitch, Manual/hydraulic rear quickhitch, 3/8" loader arm pipework/5/8" loader arm pipework, Hammer/ bi-directional pipework, Hand held tool circuit, 9m hose reel, Excavator lifting kits for EN474 and non-EN474 territories, Loader/ excavator HBCV's, Electric refuelling pump, Heated front screen, Heated mirrors, Reverse alarm, Coffee machine, Grid heaters, Eberspacher cold start kits, Front bumper protection, Fire extinguisher, Fuel tank guards, Air suspension seat, Seat headrest, Biodegradable oil, Black/yellow trim kits, Instrument panel vandal guard, Different size front counterweights, Stabiliser streetpads, Shovel streetpads, Rear light guards, Lubricity filter, Shovel clam ram guards, Dual pattern controls (ISO/SAE changeover), Extendable steer column, Air conditioning, SRS.

HYDRAULIC SYSTEM - 3CX

| Pump flows* | 3CX, 3CX Sitemaster | 3CX, 3CX Super, 3CX Sitemaster, 3CX Super Sitemaster, 3CX Contractor | 3CX Contractor** |
|---|---------------------|---|------------------|
| Open centre systems (Gear pumps) @ 1750 rpm | l/min | l/min | l/min |
| Manual Control (Gear pump) | | | |
| Pump 1 | 58 | 63 | 65 |
| Pump 2 & 3 | 71 | 81 | 89 |
| EasyControl | | | |
| Pump 1 | - | 63 | 65 |
| Pump 2 & 3 | - | 81 | 89 |
| Closed centre systems (Piston pump) @ 2200 rpm | l/min | l/min | l/min |
| Advanced EasyControl | - | 165 (32.3) | 165 (32.3) |
| | bar (lbf/sq in) | bar (lbf/sq in) | bar (lbf/sq in) |
| System relief pressure | 251 (3650) | 251 (3650) | 251 (3650) |

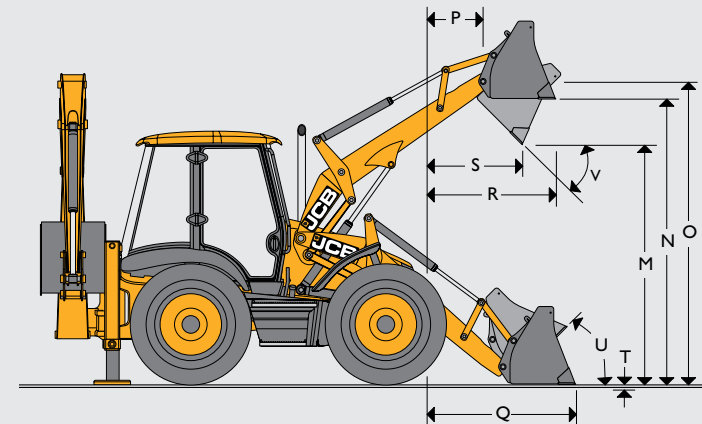
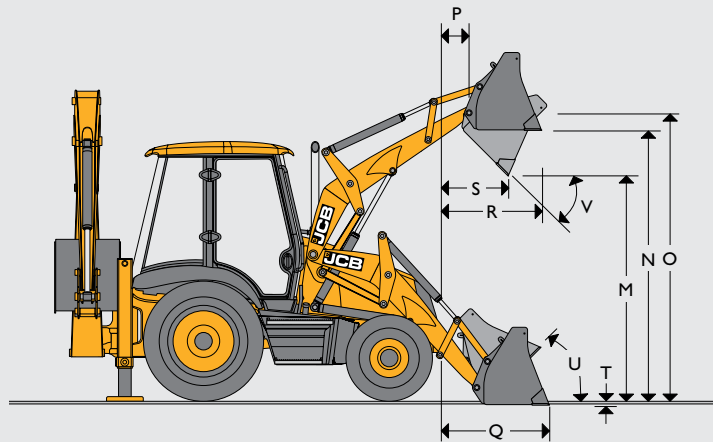
*Optimum flow **Territory specific

HYDRAULIC SYSTEM - 4CX

| Pump flows* | 4CX** | 4CX** |
|---|-----------------|-----------------|
| Open centre systems (Gear pumps) @ 1700 rpm | l/min | l/min |
| Manual Control (Gear pump) | | |
| Pump 1 & 3 | 82 | 80 |
| Pump 2 | 73 | 64 |
| EasyControl | | |
| Pump 1 & 3 | 82 | 80 |
| Pump 2** | 73 | 64 |
| Closed centre systems (Piston pump) @ 2200 rpm | l/min | l/min |
| Advanced EasyControl | 165 | 165 |
| | bar (lbf/sq in) | bar (lbf/sq in) |
| System relief pressure | 251 (3650) | 251 (3650) |

*Optimum flow **Territory specific

LOADER DIMENSIONS



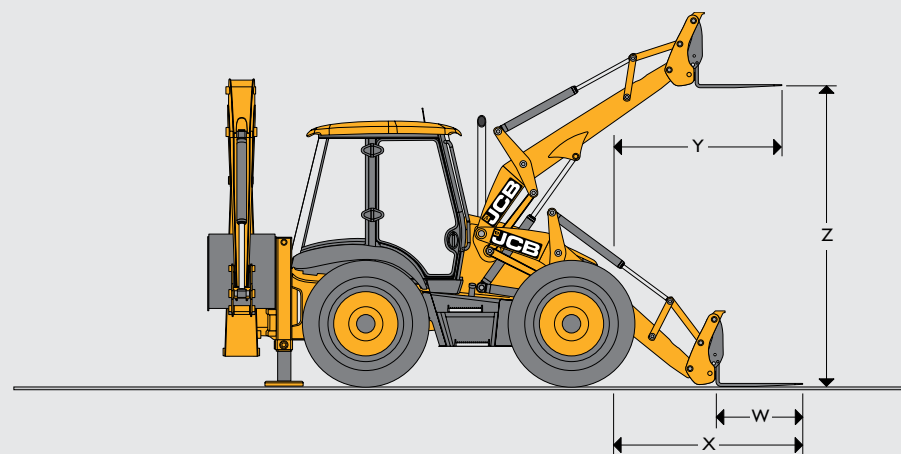
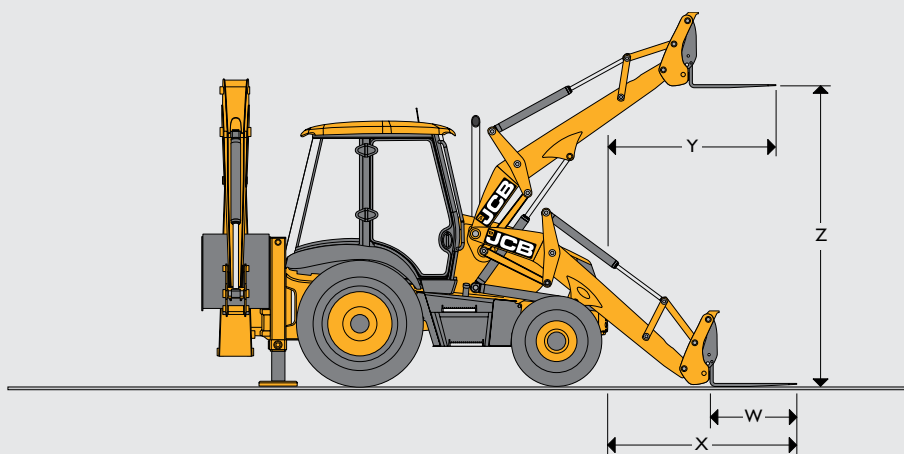
| | | | 3CX, 3CX Contractor, 3CX Sitemaster | | 3CX Super, 3CX Super Sitemaster | | 4CX, 4CX Super | | 4CX All models | |
|---|--|---------|--|---------------|------------------------------------|---------------|----------------|---------------|----------------|---------------|
| | | | GP shovel | 6-in-1 shovel | GP shovel | 6-in-1 shovel | GP shovel | 6-in-1 shovel | GP shovel | 6-in-1 shovel |
| M | Dump height | m | 2.74 | 2.72 | 2.64 | 2.64 | 2.69 | 2.69 | 2.69 | 2.69 |
| N | Load over height | m | 3.23 | 3.20 | 3.16 | 3.13 | 3.21 | 3.18 | 3.21 | 3.18 |
| O | Loader hinge pin height | m | 3.45 | 3.45 | 3.41 | 3.41 | 3.46 | 3.46 | 3.46 | 3.46 |
| P | Pin forward reach | m | 0.36 | 0.36 | 0.47 | 0.47 | 0.41 | 0.41 | 0.41 | 0.41 |
| Q | Reach at ground (toe plate horizontal) | m | 1.42 | 1.37 | 1.52 | 1.50 | 1.42 | 1.39 | 1.42 | 1.39 |
| R | Max. reach at full height | m | 1.20 | 1.15 | 1.26 | 1.22 | 1.21 | 1.17 | 1.21 | 1.17 |
| S | Reach at full height fully dumped | m | 0.83 | 0.78 | 0.88 | 0.82 | 0.82 | 0.76 | 0.82 | 0.76 |
| T | Dig depth | m | 0.07 | 0.10 | 0.18 | 0.23 | 0.14 | 0.18 | 0.14 | 0.18 |
| U | Roll back at ground | degrees | 45° | 45° | 45° | 45° | 45° | 45° | 45° | 45° |
| V | Dump angle | degrees | 43° | 43° | 44° | 44° | 45° | 45° | 45° | 45° |
| | Jaw opening width | m | - | 0.95 | - | 0.95 | - | 0.95 | - | 0.95 |

LOADER PERFORMANCE

| Model | | 3CX | | 3CX Super, 3CX Super Sitemaster | 3CX Super | 3CX Sitemaster, 3CX Contractor (Standard lift) | 4CX, 4CX Super | | 4CX All models | |
|--------------------------------|-----|-----------|---------------|------------------------------------|-----------|--|----------------|---------------|----------------|---------------|
| | | GP shovel | 6-in-1 shovel | 6-in-1 shovel | GP shovel | 6-in-1 shovel | GP shovel | 6-in-1 shovel | GP shovel | 6-in-1 shovel |
| Loader breakout – shovel | kgf | 6170 | 6531 | 6590 | 6227 | 6531 | 6227 | 6590 | 6227 | 6590 |
| Loader breakout – arms | kgf | 4942 | 4732 | 5730 | 5936 | 4732 | 5936 | 5730 | 5936 | 5730 |
| Rated operating capacity 7'4"* | kgf | 3479 | 3229 | 4378 | 4638 | 3229 | - | - | - | - |
| Rated operating capacity 7'8"* | kgf | 3439 | 3169 | - | - | 3169 | - | - | - | - |
| Rated operating capacity | kg | - | - | - | - | - | 4638 | 4378 | 4638 | 4378 |
| Clamping force | kgf | - | 2940 | 2945 | - | 2940 | - | 2945 | - | 2945 |

*Rated operating capacity as determined according to ISO 14397: 2007

LOADER ATTACHMENTS – Forklift Performance Data



| | | 3CX, 3CX Contractor, 3CX Sitemaster | | 3CX Super, 3CX Super Sitemaster | | 4CX Super, 4CX Sitemaster 4CX Super Sitemaster | | 4CX All models | |
|---|-----------------------------|-------------------------------------|--------------------------|---------------------------------|--------------------------|---|--------------------------|-----------------------------|--------------------------|
| | | 6-in-1 shovel mounted forks | Quickhitch mounted forks | 6-in-1 shovel mounted forks | Quickhitch mounted forks | 6-in-1 shovel mounted forks | Quickhitch mounted forks | 6-in-1 shovel mounted forks | Quickhitch mounted forks |
| W | Forks – tine length | m | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| | Forks – tine width | m | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| X | Forks reach at ground level | m | 2.66 | 2.03 | 2.78 | 2.18 | 2.68 | 2.13 | 2.68 |
| Y | Forks reach at full height | m | 2.25 | 1.72 | 2.38 | 1.81 | 2.30 | 1.76 | 2.30 |
| Z | Forks lift height – max | m | 2.92 | 3.27 | 2.85 | 3.23 | 2.90 | 3.28 | 2.90 |
| | Fork spacing – min | m | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| | Fork spacing – max | m | 2.17 | 1.03 | 2.17 | 1.03 | 2.17 | 1.03 | 2.17 |
| | SWL @ 500mm load centres | kg | 1000 | 2000 | 1000 | 2000 | 1000 | 2000 | 1000 |

LOADER ATTACHMENTS – Direct Mount

| Width mm (ft-in) | Capacity SAE | | | |
|---------------------------|----------------------|--------|----------------------|--------|
| | G.P. Shovel | | 6-in-1 | |
| | Rated m ³ | Struck | Rated m ³ | Struck |
| 2235 (7-4) | 1.0 | 0.83 | 1.0 | 0.76 |
| 2350 (7-8) | 1.1 | 0.91 | 1.2 | 1.02 |
| 2350 (7-8) 4CX model only | 1.3 | 1.19 | 1.2 | 1.02 |
| 2440 (8-0) 4CX model only | - | - | 1.3 | 1.19 |
| 3CX All models | ● | | | ● |
| 4CX | ● | | | |
| 4CX Super | ● | | | ● |
| 4CX Sitemaster | ● | | | ● |
| 4CX Super Sitemaster | | | | ● |

BACKHOE PERFORMANCE

| | | 3CX, 3CX Sitemaster, 3CX Super, 3CX Super Sitemaster | | 3CX Contractor | 4CX | 4CX, 4CX Sitemaster | 4CX Super, 4CX Super Sitemaster | 4CN | |
|---|-----|---|----------|----------------|-----------------|---------------------|------------------------------------|-----------------|------|
| | | Standard Dipper | Extradig | Extradig | Standard Dipper | Extradig | Standard Dipper | Standard Dipper | |
| Bucket tearout | kgf | Speed | 5431 | 5385 | 5431 | 5385 | 5387 | 6047 | |
| | | Power | 6324 | 6228 | 6228 | 6324 | 6228 | 6230 | 6929 |
| Dipper tearout | kgf | Ext | – | 2255 | 2255/ 2729* | – | 2729 | 2675 | – |
| | | Ret | 3217 | 3225 | 3225/ 3903* | 3893 | 3903 | 3722 | 3893 |
| Lift capacity of bucket pivot at full reach | kg | Ext | – | 719 | 719/ 1082* | – | 1082 | 1199 | – |
| | | Ret | 1584 | 1451 | 1451/ 1885* | 2046 | 1885 | 1556 | 1733 |

* Heavy Lift excavator

BACKHOE ATTACHMENTS – Standard Profile Bucket

| Width* | 3CX & 4CX All models | | | |
|--------|----------------------|-----------------------|------------------|-------|
| | Capacity SAE | | Weight (+ Teeth) | |
| | Rated m ³ | Struck m ³ | kg | Teeth |
| 229 | 0.04 | 0.03 | 95 | 0 |
| 305 † | 0.06 | 0.05 | 102 | 3 |
| 356 † | 0.075 | 0.06 | 105 | 3 |
| 400 † | 0.09 | 0.07 | 109 | 3 |
| 457 † | 0.12 | 0.09 | 116 | 3 |
| 610 † | 0.17 | 0.13 | 140 | 4 |
| 800 † | 0.24 | 0.17 | 162 | 5 |
| 950 † | 0.30 | 0.21 | 198 | 5 |

* Including sidecutters. Width less sidecutters deduct 25mm.

† Available with additional wear strips to give added strength and rigidity.

DITCHING BUCKETS

| Width* | 3CX All models | | | 4CX All models | | |
|--------|----------------------|-----------------------|--------|----------------------|-----------------------|--------|
| | Capacity SAE | | Weight | Capacity SAE | | Weight |
| | Rated m ³ | Struck m ³ | kg | Rated m ³ | Struck m ³ | kg |
| 1525 | 0.22 | 0.155 | 150 | 0.22 | 0.16 | 150 |
| 1830 | 0.26 | 0.186 | 172 | 0.26 | 0.19 | 172 |

TAPERED BUCKETS – 3CX & 4CX All models

| Width* | Capacity SAE | | Angle degrees | Teeth |
|----------|----------------------|-----------------------|---------------|-------|
| | Rated m ³ | Struck m ³ | | |
| 381–1676 | 0.07 | 0.06 | 30 | 2 |
| 305–1067 | 0.12 | 0.10 | 60 | 2 |

BACKHOE ATTACHMENTS – Standard Profile Bucket

| Width* | 3CX All models | | | | 4CX All models | | | |
|--------|----------------------|-----------------------|------------------|-------|----------------------|-----------------------|------------------|-------|
| | Capacity SAE | | Weight (+ Teeth) | | Capacity SAE | | Weight (+ Teeth) | |
| | Rated m ³ | Struck m ³ | kg | Teeth | Rated m ³ | Struck m ³ | kg | Teeth |
| 305 | 0.09 | 0.07 | 102 | 3 | 0.09 | 0.07 | 102 | 3 |
| 356 | 0.11 | 0.09 | 117 | 3 | 0.11 | 0.09 | 117 | 1 |
| 457 | 0.16 | 0.13 | 122 | 3 | 0.16 | 0.13 | 122 | 3 |
| 610 | 0.23 | 0.18 | 142 | 4 | 0.23 | 0.18 | 142 | 4 |
| 800 | 0.30 | 0.24 | 163 | 5 | 0.30 | 0.24 | 163 | 5 |
| 950 | 0.38 † | 0.30 | 183 | 5 | 0.38 | 0.30 | 183 | 5 |
| 1100 | 0.48 † | 0.34 | 203 | 6 | 0.48 | 0.34 | 203 | 6 |

* Including sidecutters. Width less sidecutters deduct 25mm (1 in).

† Capacity in cu.yd.