

NEW

Wheeled Loading Shovel 457 ZX



Gross Engine Power: 250HP (186kW) Operating Weight: 19,302kg Full Turn Tipping Load: 12,992kg Standard Bucket Capacity: 3.5m³

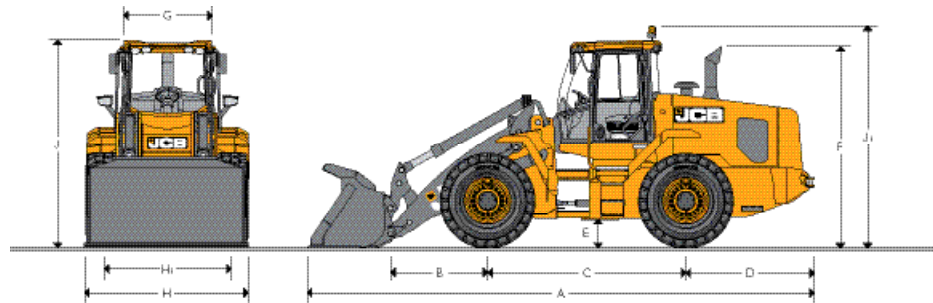
A Product of Hard Work



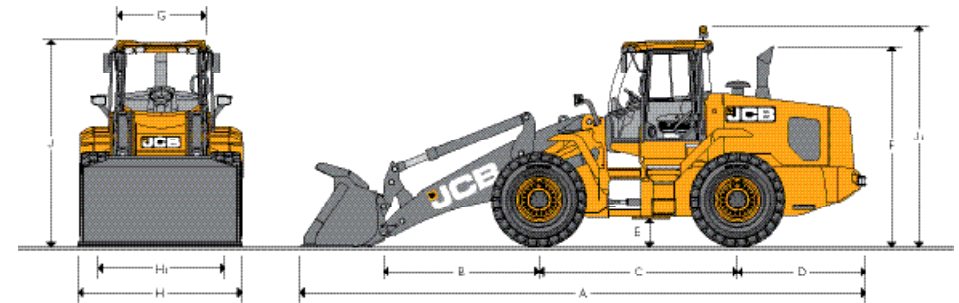


MAX. ENGINE POWER: 186kW (250hp) MAX. OPERATING WEIGHT: 22389kg (49359lb) MAX. LOADER CAPACITY: 3.5m³ (4.6yd³)

457 HT – STATIC DIMENSIONS – Standard height arm



457 HT – STATIC DIMENSIONS – Super high lift arm



457 HT – STATIC DIMENSIONS – Standard height arm

		mm (ft-in)
A	Overall length	8524 (28-0)
B	Axle to pivot pin	1713 (5-7)
C	Wheel base	3300 (10-10)
D	Axle to counterweight face	1974 (6-6)
E	Minimum ground clearance	470 (1-7)
F	Height over exhaust	3318 (10-11)
G	Width over cab	1400 (4-7)
H	Width over tyres	2702 (8-10)
H _i	Wheel track	2100 (6-10)
J	Height over cab	3370 (11-1)
J ₁	Overall Height (to top of fixed beacon)	3714 (12-2)
	Pin height (maximum)	4304 (14-1)
	Overall operating height	5768 (18-9)
	Front axle weight	kg (lb) 8687 (19152)
	Rear axle weight	kg (lb) 11994 (26442)
	Total weight	kg (lb) 20681 (45594)
	Inside radius	3182 (10-5)
	Maximum radius	6630 (21-9)
	Articulation angle	± 40°

457 HT – STATIC DIMENSIONS – Super high lift arm

		mm (ft-in)
A	Overall length	9454 (31-0)
B	Axle to pivot pin	2727 (8-11)
C	Wheel base	3300 (10-10)
D	Axle to counterweight face	1974 (6-6)
E	Minimum ground clearance	470 (1-7)
F	Height over exhaust	3318 (10-11)
G	Width over cab	1400 (4-7)
H	Width over tyres	2702 (8-10)
H _i	Wheel track	2100 (6-10)
J	Height over cab	3370 (11-1)
J ₁	Overall Height (to top of fixed beacon)	3714 (12-2)
	Pin height (maximum)	5270 (17-3)
	Overall operating height	6733 (22-1)
	Front axle weight	kg (lb) 10485 (23115)
	Rear axle weight	kg (lb) 11096 (24462)
	Total weight	kg (lb) 21581 (47578)
	Inside radius	3182 (10-5)
	Maximum radius	7121 (23-4)
	Articulation angle	± 40°

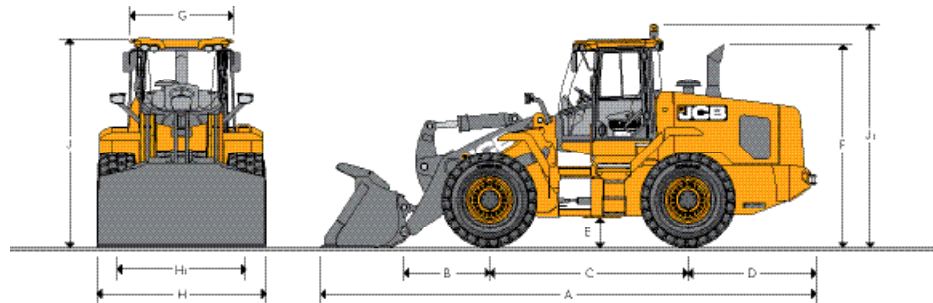
Data based on machine equipped with quickhitch mounted 3.5m³ bucket with toe plate and 23.5 R25 Michelin XHA (L3) radial tyres.

Data based on machine equipped with quickhitch mounted 3.5m³ bucket with toe plate and 23.5 R25 Michelin XHA (L3) radial tyres.

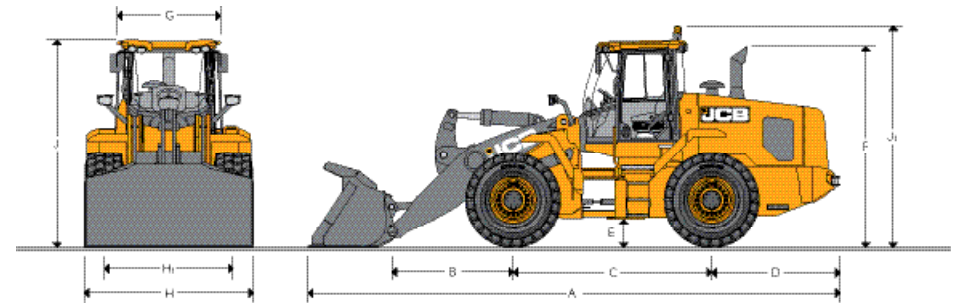


MAX. ENGINE POWER: 186kW (250hp) MAX. OPERATING WEIGHT: 21645kg (47719lb) MAX. LOADER CAPACITY: 3.5m³ (4.6yd³)

457 ZX – STATIC DIMENSIONS – Standard height arm



457 ZX – STATIC DIMENSIONS – High lift arm



457 ZX – STATIC DIMENSIONS – Standard height arm

		mm (ft-in)
A	Overall length	7964 (26-2)
B	Axle to pivot pin	1622 (5-4)
C	Wheel base	3300 (10-10)
D	Axle to counterweight face	1974 (6-6)
E	Minimum ground clearance	470 (1-7)
F	Height over exhaust	3318 (10-11)
G	Width over cab	1400 (4-9)
H	Width over tyres	2702 (8-10)
H _i	Wheel track	2100 (6-10)
J	Height over cab	3370 (11-1)
J ₁	Overall Height (to top of fixed beacon)	3714 (12-2)
	Pin height (maximum)	4107 (13-5)
	Overall operating height	5571 (18-3)
	Front axle weight	kg (lb) 8129 (17921)
	Rear axle weight	kg (lb) 11053 (24368)
	Total weight	kg (lb) 19182 (42289)
	Inside radius	3182 (10-5)
	Maximum radius	6554 (21-6)
	Articulation angle	± 40°

Data based on machine equipped with pin mounted 3.3m³ bucket with teeth and 23.5 R25 Michelin XHA (L3) radial tyres.

457 ZX – STATIC DIMENSIONS – High lift arm

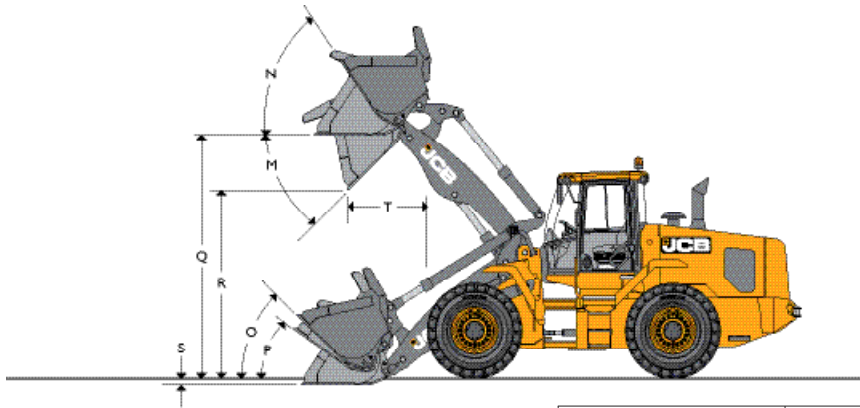
		mm (ft-in)
A	Overall length	8524 (28-0)
B	Axle to pivot pin	2182 (7-2)
C	Wheel base	3300 (10-10)
D	Axle to counterweight face	1974 (6-6)
E	Minimum ground clearance	470 (1-7)
F	Height over exhaust	3318 (10-11)
G	Width over cab	1400 (4-9)
H	Width over tyres	2702 (8-10)
H _i	Wheel track	2100 (6-10)
J	Height over cab	3370 (11-1)
J ₁	Overall Height (to top of fixed beacon)	3714 (12-2)
	Pin height (maximum)	4677 (15-4)
	Overall operating height	6140 (20-2)
	Front axle weight	kg (lb) 8426 (18576)
	Rear axle weight	kg (lb) 11167 (24619)
	Total weight	kg (lb) 19593 (43195)
	Inside radius	3182 (10-5)
	Maximum radius	6770 (22-2)
	Articulation angle	± 40°

Data based on machine equipped with pin mounted 3.3m³ bucket with teeth and 23.5 R25 Michelin XHA (L3) radial tyres.



457 HT – LOADER DIMENSIONS – Standard height arm

CHANGES TO OPERATING PERFORMANCE AND DIMENSIONS – Standard height arm



Tyre size	Manufacturer	Type	Rating	Op. weight kg (lb)	Tipping loads		Dimensions	
					Straight kg (lb)	Full turn kg (lb)	Vertical mm (in)	Width mm (in)
23.5R25 (radial)	Michelin	XTLA	L2	-100 (-220)	-66 (-146)	-57 (-125)	-2 (-0.08)	0
23.5R25 (radial)	Goodyear	TL-3A+	L3	324 (714)	215 (474)	184 (406)	19 (0.75)	0
23.5R25 (radial)	Goodyear	RT-3B	L3	176 (388)	117 (258)	100 (220)	10 (0.39)	0
23.5-25 (crossply)	Goodyear	HRL-3A	L3	-100 (-220)	-66 (-146)	-57 (-125)	15 (0.59)	0
23.5-25 (crossply)	Earthmover	20ply	L3	-152 (-335)	-101 (-222)	-86 (-190)	6 (0.24)	0
23.5R25 (radial)	Earthmover		L3	0 (0)	0 (0)	0 (0)	4 (0.16)	0
23.5R25 (radial)	Goodyear	GP - 4B	L4	380 (838)	252 (556)	216 (476)	35 (1.38)	0
23.5R25 (radial)	Michelin	XLDD2A	L5	572 (1261)	380 (837)	325 (716)	36 (1.42)	0
23.5R25 (radial)	Michelin	XMINE D2	L5	808 (1781)	536 (1183)	459 (1012)	36 (1.42)	0
23.5R25 (radial)	Goodyear	RI - 5K	L5	704 (1552)	467 (1030)	400 (881)	36 (1.42)	0
23.5-25 (Solid cushion)*	SG Revolution	SE	-	2324 (5124)	0 (0)	0 (0)	30 (1.18)	0
23.5-25 (Solid cushion)*	SG Revolution	DWL	-	2324 (5124)	0 (0)	0 (0)	30 (1.18)	0

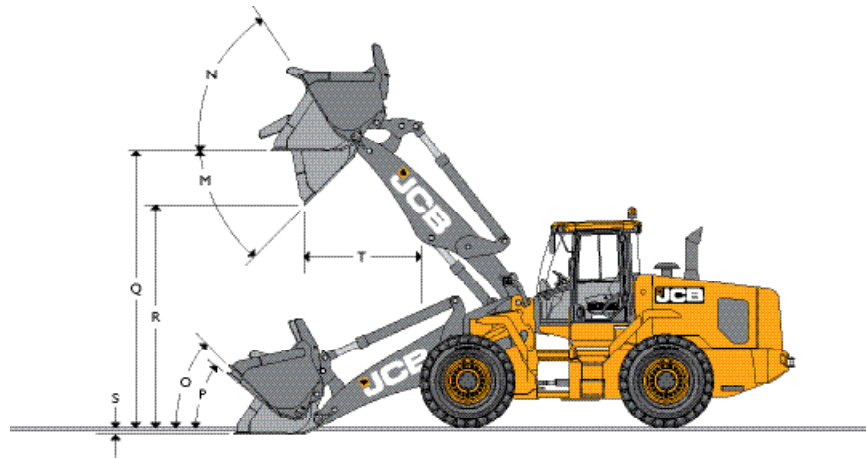
*Additional counterweight removed when solid tyres are fitted.

Assumes the fitment of Michelin 23.5R25 XHA (L3) tyres.

Bucket mounting		Direct	Direct	Direct	Direct	Direct	Direct	Quickhitch	Quickhitch	Quickhitch	Quickhitch	Quickhitch	Quickhitch
Bucket type		General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose
Bucket equipment		Tipped teeth	Tipped teeth	Reversible toeplate	Reversible toeplate & toeplate segments	Tipped teeth & toeplate segments	Tipped teeth &	Tipped teeth	Tipped teeth	Reversible toeplate	Reversible toeplate & toeplate segments	Tipped teeth & toeplate segments	Tipped teeth & toeplate segments
Bucket capacity (SAE heaped)	m ³ (yd ³)	3.1 (4.1)	3.3 (4.3)	3.3 (4.3)	3.5 (4.6)	3.3 (4.3)	3.5 (4.6)	3.1 (4.1)	3.3 (4.3)	3.3 (4.3)	3.5 (4.6)	3.3 (4.3)	3.5 (4.6)
Bucket capacity (struck)	m ³ (yd ³)	2.497 (3.266)	2.687 (3.517)	2.648 (3.464)	2.844 (3.720)	2.648 (3.464)	2.844 (3.720)	2.497 (3.266)	2.687 (3.515)	2.648 (3.464)	2.844 (3.720)	2.648 (3.464)	2.844 (3.720)
Bucket width	mm (ft-in)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)
Bucket weight with wearparts	kg (lb)	1508 (3325)	1554 (3427)	1623 (3579)	1669 (3680)	1623 (3579)	1669 (3680)	1380 (3043)	1416 (3122)	1495 (3296)	1531 (3376)	1495 (3296)	1531 (3376)
Maximum material density	kg/m ³ (lb/yd ³)	2099 (3538)	1958 (3300)	1950 (3287)	1825 (3077)	1950 (3287)	1825 (3077)	1989 (3352)	1855 (3127)	1846 (3111)	1728 (2913)	1846 (3111)	1728 (2913)
Tipping load straight	kg (lb)	15118 (33329)	15014 (33099)	14971 (33006)	14867 (32776)	14971 (33006)	14867 (32776)	14346 (31628)	14256 (31430)	14200 (31305)	14104 (31093)	14200 (31305)	14104 (31093)
Tipping load full turn	kg (lb)	13017 (28697)	12921 (28485)	12873 (28381)	12776 (28167)	12873 (28381)	12776 (28167)	12327 (27176)	12244 (26994)	12184 (26862)	12094 (26663)	12184 (26862)	12094 (26663)
Payload at 50% FTL	kg (lb)	6509 (14350)	6460 (14243)	6437 (14190)	6388 (14083)	6437 (14190)	6388 (14083)	6164 (13589)	6122 (13496)	6092 (13430)	6047 (13332)	6092 (13430)	6047 (13332)
Maximum break out force	kN (lbf)	161 (36193)	153 (34394)	150 (33720)	143 (32146)	150 (33720)	143 (32146)	144 (31022)	138 (31022)	135 (30348)	130 (29224)	135 (30348)	130 (29224)
M Dump angle maximum	degrees	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°
N Roll back angle at full height	degrees	57°	57°	57°	57°	57°	57°	57°	57°	57°	57°	57°	57°
O Roll back at carry	degrees	52°	52°	52°	52°	52°	52°	52°	52°	52°	52°	52°	52°
P Roll back at ground level	degrees	46°	46°	46°	46°	46°	46°	46°	46°	46°	46°	46°	46°
Q Load over height	mm (ft-in)	4028 (13-3)	4028 (13-3)	4028 (13-3)	4028 (13-3)	4028 (13-3)	4028 (13-3)	4028 (13-3)	4028 (13-3)	4028 (13-3)	4028 (13-3)	4028 (13-3)	4028 (13-3)
R Dump height (45° dump)	mm (ft-in)	2930 (9-7)	2888 (9-6)	3069 (10-1)	3027 (9-11)	2930 (9-7)	2888 (9-6)	2824 (9-3)	2782 (9-2)	2963 (9-9)	2921 (9-7)	2824 (9-3)	2782 (9-2)
S Dig depth	mm (ft-in)	109 (0-4)	109 (0-4)	91 (0-4)	91 (0-4)	109 (0-4)	109 (0-4)	109 (0-4)	109 (0-4)	91 (0-4)	91 (0-4)	109 (0-4)	109 (0-4)
T Reach at dump height	mm (ft-in)	1334 (4-5)	1375 (4-6)	1220 (4-0)	1261 (4-2)	1334 (4-5)	1375 (4-6)	1440 (4-9)	1482 (4-10)	1326 (4-4)	1368 (4-6)	1440 (4-9)	1482 (4-10)
Reach maximum (45° dump)	mm (ft-in)	2310 (7-7)	2352 (7-9)	2196 (7-2)	2238 (7-4)	2310 (7-7)	2352 (7-9)	2416 (7-11)	2458 (8-1)	2302 (7-7)	2344 (7-8)	2416 (7-11)	2458 (8-1)
Operating weight (includes 80kg operator and full fuel tank)	kg (lb)	20338 (44838)	20384 (44939)	20453 (45091)	20499 (45193)	20453 (45091)	20499 (45193)	20530 (45261)	20566 (45340)	20645 (45514)	20681 (45594)	20645 (45514)	20681 (45594)



457 HT – LOADER DIMENSIONS – Super high lift arm



CHANGES TO OPERATING PERFORMANCE AND DIMENSIONS – Super high lift arm

Tyre size	Manufacturer	Type	Rating	Op. weight kg (lb)	Tipping loads			Dimensions	
					Straight kg (lb)	Full turn kg (lb)	Vertical mm (in)	Width mm (in)	
23.5R25 (radial)	Michelin	XTLA	L2	-100 (-220)	-50 (-110)	-43 (-94)	-2 (-0.08)	0	
23.5R25 (radial)	Goodyear	TL-3A+	L3	324 (714)	161 (355)	138 (304)	19 (0.75)	0	
23.5R25 (radial)	Goodyear	RT-3B	L3	176 (388)	88 (193)	75 (165)	10 (0.39)	0	
23.5-25 (crossply)	Goodyear	HRL-3A	L3	-100 (-220)	-50 (-110)	-43 (-94)	15 (0.59)	0	
23.5-25 (crossply)	Earthmover	20ply	L3	-152 (-335)	-76 (-167)	-65 (-143)	6 (0.24)	0	
23.5R25 (radial)	Earthmover		L3	0 (0)	0 (0)	0 (0)	4 (0.16)	0	
23.5R25 (radial)	Goodyear	GP - 4B	L4	380 (838)	189 (417)	162 (356)	35 (1.38)	0	
23.5R25 (radial)	Michelin	XLDD2A	L5	572 (1261)	284 (627)	243 (536)	36 (1.42)	0	
23.5R25 (radial)	Michelin	XMINE D2	L5	808 (1781)	402 (886)	344 (758)	36 (1.42)	0	
23.5R25 (radial)	Goodyear	RI - 5K	L5	704 (1552)	350 (772)	299 (660)	36 (1.42)	0	
23.5-25 (Solid cushion)*	SG Revolution	SE	-	2324 (5124)	-1085 (-2392)	-895 (-1973)	30 (1.18)	0	
23.5-25 (Solid cushion)*	SG Revolution	DWL	-	2324 (5124)	-1085 (-2392)	-895 (-1973)	30 (1.18)	0	

*Additional counterweight removed when solid tyres are fitted.

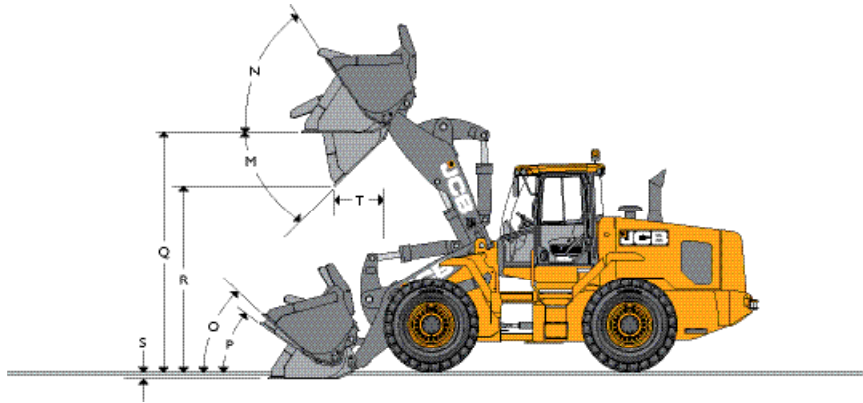
Assumes the fitment of Michelin 23.5R25 XHA (L3) tyres.

Bucket mounting		Direct	Direct	Direct	Direct	Direct	Direct	Quickhitch	Quickhitch	Quickhitch	Quickhitch	Quickhitch	Quickhitch
Bucket type		General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose
Bucket equipment		Tipped teeth	Tipped teeth	Tipped teeth	Reversible toeplate	Reversible toeplate toeplate segments	Tipped teeth & toeplate segments	Tipped teeth & toeplate segments	Tipped teeth	Tipped teeth	Reversible toeplate	Reversible toeplate toeplate segments	Tipped teeth & toeplate segments
Bucket capacity AE heaped	m ³ (yd ³)	2.8 (3.7)	3.1 (4.1)	3.3 (4.3)	3.3 (4.3)	3.5 (4.6)	3.3 (4.3)	3.5 (4.6)	3.1 (4.1)	3.3 (4.3)	3.3 (4.3)	3.5 (4.6)	3.3 (4.3)
Bucket capacity (struck)	m ³ (yd ³)	2.210 (2.891)	2.497 (3.266)	2.687 (3.517)	2.648 (3.464)	2.844 (3.720)	2.648 (3.464)	2.844 (3.720)	2.497 (3.266)	2.687 (3.515)	2.648 (3.464)	2.844 (3.720)	2.648 (3.464)
Bucket width	mm (ft-in)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)
Bucket weight with wearparts	kg (lb)	1436 (3166)	1508 (3325)	1554 (3427)	1623 (3579)	1669 (3680)	1623 (3579)	1669 (3680)	1380 (3043)	1416 (3122)	1495 (3296)	1531 (3376)	1495 (3296)
Maximum material density	kg/m ³ (lb/yd ³)	1516 (2556)	1354 (2283)	1262 (2128)	1258 (2121)	1178 (1985)	1258 (2121)	1178 (1985)	1282 (2161)	1196 (2016)	1191 (2008)	1115 (1879)	1191 (2008)
Tipping load straight	kg (lb)	10008 (22063)	9903 (21833)	9834 (21681)	9806 (21619)	9738 (21469)	9806 (21619)	9738 (21469)	9397 (20717)	9042 (19934)	9301 (20505)	9237 (20364)	9301 (20505)
Tipping load full turn	kg (lb)	8492 (18722)	8396 (18510)	8333 (18372)	8303 (18306)	8241 (18169)	8303 (18306)	8241 (18169)	7951 (17529)	7897 (17411)	7859 (17326)	7800 (17196)	7859 (17326)
Payload at 50% FTTL	kg (lb)	4247 (9362)	4198 (9255)	4167 (9187)	4152 (9153)	4121 (9084)	4152 (9153)	4121 (9084)	3975 (8763)	3948 (8704)	3930 (8663)	3901 (8599)	3930 (8663)
Maximum break out force	kN (lbf)	175 (39340)	163 (36642)	155 (34844)	152 (34170)	145 (32596)	152 (34170)	145 (32596)	146 (32821)	140 (31472)	137 (30798)	132 (29674)	137 (30798)
M Dump angle maximum	degrees	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°
N Roll back angle at full height	degrees	58°	58°	58°	58°	58°	58°	58°	58°	58°	58°	58°	58°
O Roll back at carry	degrees	54°	54°	54°	54°	54°	54°	54°	54°	54°	54°	54°	54°
P Roll back at ground level	degrees	46°	46°	46°	46°	46°	46°	46°	46°	46°	46°	46°	46°
Q Load over height	mm (ft-in)	4994 (16-5)	4994 (16-5)	4994 (16-5)	4994 (16-5)	4994 (16-5)	4994 (16-5)	4994 (16-5)	4994 (16-5)	4994 (16-5)	4994 (16-5)	4994 (16-5)	4994 (16-5)
R Dump height (45° dump)	mm (ft-in)	3960 (13-0)	3896 (12-9)	3854 (12-8)	4034 (13-3)	3993 (13-1)	3896 (12-9)	3790 (12-5)	3790 (12-5)	3748 (12-4)	3929 (12-11)	3887 (12-9)	3790 (12-5)
S Dig depth	mm (ft-in)	109 (0-4)	109 (0-4)	109 (0-4)	91 (0-4)	91 (0-4)	109 (0-4)	109 (0-4)	109 (0-4)	109 (0-4)	91 (0-4)	91 (0-4)	109 (0-4)
T Reach at dump height	mm (ft-in)	1327 (4-4)	1393 (4-7)	1432 (4-8)	1277 (4-2)	1318 (4-4)	1393 (4-7)	1432 (4-8)	1497 (4-11)	1539 (5-1)	1383 (4-6)	1425 (4-8)	1497 (4-11)
Reach maximum (45° dump)	mm (ft-in)	3046 (10-0)	3110 (10-2)	3152 (10-4)	2996 (9-10)	3038 (10-0)	3110 (10-2)	3152 (10-4)	3216 (10-7)	3258 (10-8)	3102 (10-2)	3144 (10-4)	3216 (10-7)
Operating weight (includes 80kg operator and full fuel tank) kg (lb)		21166 (46663)	21238 (46822)	21284 (46923)	21353 (47075)	21399 (47177)	21353 (47075)	21399 (47177)	21430 (47245)	21466 (47324)	21545 (47499)	21581 (47578)	21545 (47499)



457 ZX – LOADER DIMENSIONS – Standard height arm

CHANGES TO OPERATING PERFORMANCE AND DIMENSIONS – Standard height arm



Tyre size	Manufacturer	Type	Rating	Op. weight kg (lb)	Tipping loads		Dimensions	
					Straight kg (lb)	Full turn kg (lb)	Vertical mm (in)	Width mm (in)
23.5R25 (radial)	Michelin	XTLA	L2	-100 (-220)	-71 (-156)	-61 (-134)	-2 (-0.08)	0
23.5R25 (radial)	Goodyear	TL-3A+	L3	324 (714)	230 (506)	196 (433)	19 (0.75)	0
23.5R25 (radial)	Goodyear	RT-3B	L3	176 (388)	125 (275)	107 (235)	10 (0.39)	0
23.5-25 (crossply)	Goodyear	HRL-3A	L3	-100 (-220)	-71 (-156)	-61 (-134)	15 (0.59)	0
23.5-25 (crossply)	Earthmover	20ply	L3	-152 (-335)	-108 (-237)	-92 (-203)	6 (0.24)	0
23.5R25 (radial)	Earthmover		L3	0 (0)	0 (0)	0 (0)	4 (0.16)	0
23.5R25 (radial)	Goodyear	GP - 4B	L4	380 (838)	269 (593)	230 (508)	35 (1.38)	0
23.5R25 (radial)	Michelin	XLDD2A	L5	572 (1261)	405 (893)	347 (764)	36 (1.42)	0
23.5R25 (radial)	Michelin	XMINE D2	L5	808 (1781)	572 (1262)	490 (1079)	36 (1.42)	0
23.5R25 (radial)	Goodyear	RI - 5K	L5	704 (1552)	499 (1099)	427 (941)	36 (1.42)	0
23.5-25 (Solid cushion)*	SG Revolution	SE	-	3124 (6887)	467 (1030)	400 (882)	30 (1.18)	0
23.5-25 (Solid cushion)*	SG Revolution	DWL	-	3124 (6887)	467 (1030)	400 (882)	30 (1.18)	0
Optional extra counterweight	-	-	-	800 (1764)	1546 (3407)	1275 (2812)	0	0

*Optional extra counterweights is not available when solid tyres are fitted.

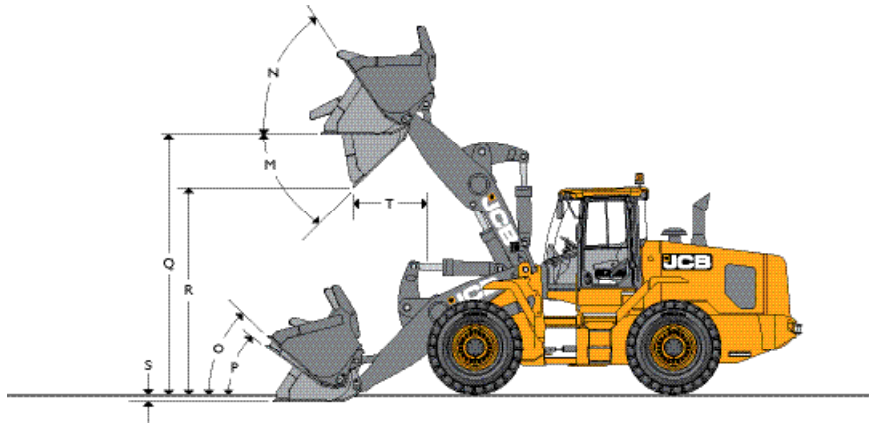
Assumes the fitment of Michelin 23.5R25 XHA (L3) tyres.

Bucket mounting		Direct	Direct	Direct	Direct	Direct	Direct	Quickhitch	Quickhitch	Quickhitch	Quickhitch	Quickhitch	Quickhitch	
Bucket type		General Purpose	General Purpose	Penetration	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	
Bucket equipment		Tipped teeth	Tipped teeth	Tipped teeth	Reversible toeplate	Reversible toeplate	Tipped teeth & toeplate segments	Tipped teeth & toeplate segments	Tipped teeth	Tipped teeth	Reversible toeplate	Reversible toeplate	Tipped teeth & toeplate segments	
Bucket capacity (SAE heaped)	m ³ (yd ³)	3.1 (4.1)	3.3 (4.3)	3.1 (4.1)	3.3 (4.3)	3.5 (4.6)	3.3 (4.3)	3.5 (4.6)	3.1 (4.1)	3.3 (4.3)	3.3 (4.3)	3.5 (4.6)	3.3 (4.3)	3.5 (4.6)
Bucket capacity (struck)	m ³ (yd ³)	2.791 (3.651)	2.991 (3.912)	2.791 (3.651)	2.933 (3.836)	3.137 (4.103)	2.933 (3.836)	3.137 (4.103)	2.497 (3.266)	2.687 (3.515)	2.648 (3.464)	2.844 (3.720)	2.648 (3.464)	2.844 (3.720)
Bucket width	mm (ft-in)	2837 (9-4)	2837 (9-4)	2811 (9-3)	2800 (9-2)	2800 (9-2)	2800 (9-2)	2800 (9-2)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)
Bucket weight with wearparts	kg (lb)	1602 (3532)	1645 (3627)	1612 (3554)	1722 (3797)	1765 (3892)	1722 (3797)	1765 (3892)	1380 (3043)	1416 (3122)	1495 (3296)	1531 (3376)	1495 (3296)	1531 (3376)
Maximum material density	kg/m ³ (lb/yd ³)	2132 (3594)	1989 (3352)	2129 (3589)	1983 (3343)	1856 (3129)	1983 (3343)	1856 (3129)	1936 (3263)	1806 (3044)	1801 (3035)	1685 (2840)	1801 (3035)	1685 (2840)
Tipping load straight	kg (lb)	15846 (34935)	15738 (34696)	15823 (34885)	15713 (34641)	15604 (34402)	15713 (34641)	15604 (34402)	14436 (31826)	14338 (31610)	14314 (31558)	14216 (31341)	14314 (31558)	14216 (31341)
Tipping load full turn	kg (lb)	13219 (29144)	13122 (28929)	13198 (29096)	13090 (28859)	12992 (28643)	13090 (28859)	12992 (28643)	12003 (26463)	11915 (26267)	11886 (26203)	11796 (26005)	11886 (26203)	11796 (26005)
Payload at 50% FTL	kg (lb)	6610 (14573)	6562 (14466)	6599 (14548)	6545 (14429)	6496 (14320)	6545 (14429)	6496 (14320)	6002 (13232)	5957 (13134)	5943 (13102)	5898 (13004)	5943 (13102)	5898 (13004)
Maximum break out force	kN (lbf)	172 (38666)	165 (37092)	172 (38666)	161 (36193)	154 (34619)	161 (36193)	154 (34619)	153 (34394)	147 (33046)	143 (32146)	137 (30798)	143 (32146)	137 (30798)
M Dump angle maximum	degrees	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°
N Roll back angle at full height	degrees	67°	67°	67°	67°	67°	67°	67°	67°	67°	67°	67°	67°	67°
O Roll back at carry	degrees	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°
P Roll back at ground level	degrees	39°	39°	39°	39°	39°	39°	39°	39°	39°	39°	39°	39°	39°
Q Load over height	mm (ft-in)	3822 (12-6)	3822 (12-6)	3856 (12-3)	3831 (12-6)	3831 (12-6)	3822 (12-6)	3822 (12-6)	3822 (12-6)	3702 (12-2)	3831 (12-6)	3711 (12-2)	3822 (12-6)	3702 (12-2)
R Dump height (45° dump)	mm (ft-in)	2741 (9-0)	2699 (8-10)	2765 (9-1)	2887 (9-6)	2845 (9-4)	2741 (9-0)	2699 (8-10)	2621 (8-7)	2559 (8-5)	2767 (9-1)	2725 (8-11)	2621 (8-7)	2559 (8-5)
S Dig depth	mm (ft-in)	74 (0-3)	74 (0-3)	74 (0-3)	91 (0-4)	91 (0-4)	109 (0-4)	109 (0-4)	74 (0-3)	74 (0-3)	91 (0-4)	91 (0-4)	109 (0-4)	109 (0-4)
T Reach at dump height	mm (ft-in)	1183 (3-11)	1135 (3-9)	1207 (4-0)	1085 (3-7)	1039 (3-5)	1183 (3-11)	1135 (3-9)	1301 (4-3)	1255 (4-1)	1205 (3-10)	1159 (3-10)	1301 (4-3)	1255 (4-1)
Reach maximum (45° dump)	mm (ft-in)	2140 (7-0)	2182 (7-2)	2164 (7-1)	2032 (6-8)	2074 (6-10)	2140 (7-0)	2182 (7-2)	2260 (7-5)	2302 (7-7)	2152 (7-1)	2194 (7-2)	2260 (7-5)	2302 (7-7)
Operating weight (includes 80kg operator and full fuel tank)	kg (lb)	19133 (42181)	19182 (42289)	19143 (42203)	19253 (42446)	19302 (42554)	19253 (42446)	19302 (42554)	19457 (42895)	19506 (43003)	19577 (43160)	19626 (43268)	19577 (43160)	19626 (43268)



457 ZX – LOADER DIMENSIONS – High lift arm

CHANGES TO OPERATING PERFORMANCE AND DIMENSIONS – High lift arm



Tyre size	Manufacturer	Type	Rating	Op. weight kg (lb)	Tipping loads			Dimensions	
					Straight kg (lb)	Full turn kg (lb)	Vertical mm (in)	Width mm (in)	
23.5R25 (radial)	Michelin	XTLA	L2	-100 (-220)	-58 (-129)	-50 (-110)	-2 (-0.08)	0	
23.5R25 (radial)	Goodyear	TL-3A+	L3	324 (714)	189 (417)	162 (357)	19 (0.75)	0	
23.5R25 (radial)	Goodyear	RT-3B	L3	176 (388)	103 (227)	88 (194)	10 (0.39)	0	
23.5-25 (crossply)	Goodyear	HRL-3A	L3	-100 (-220)	-58 (-129)	-50 (-110)	15 (0.59)	0	
23.5-25 (crossply)	Earthmover	20ply	L3	-152 (-335)	-89 (-196)	-76 (-167)	6 (0.24)	0	
23.5R25 (radial)	Earthmover		L3	0 (0)	0 (0)	0 (0)	4 (0.16)	0	
23.5R25 (radial)	Goodyear	GP - 4B	L4	380 (838)	222 (489)	190 (418)	35 (1.38)	0	
23.5R25 (radial)	Michelin	XLDD2A	L5	572 (1261)	334 (736)	286 (630)	36 (1.42)	0	
23.5R25 (radial)	Michelin	XMINE D2	L5	808 (1781)	472 (1040)	404 (890)	36 (1.42)	0	
23.5R25 (radial)	Goodyear	RI - 5K	L5	704 (1552)	411 (906)	352 (775)	36 (1.42)	0	
23.5-25 (Solid cushion)*	SG Revolution	SE	-	3124 (6887)	1824 (4021)	1560 (3440)	30 (1.18)	0	
23.5-25 (Solid cushion)*	SG Revolution	DWL	-	3124 (6887)	1824 (4021)	1560 (3440)	30 (1.18)	0	
Optional extra counterweight	-	-	-	800 (1764)	1274 (2808)	1051 (2317)	0	0	

*Optional extra counterweights is not available when solid tyres are fitted.

Assumes the fitment of Michelin 23.5R25 XHA (L3) tyres.

Bucket mounting		Direct	Direct	Direct	Direct	Direct	Direct	Quickhitch	Quickhitch	Quickhitch	Quickhitch	Quickhitch	Quickhitch
Bucket type		General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose	General Purpose
Bucket equipment		Tipped teeth	Tipped teeth	Tipped teeth	Reversible toeplate	Reversible toeplate toeplate segments	Tipped teeth & toeplate segments	Tipped teeth & toeplate segments	Tipped teeth	Tipped teeth	Reversible toeplate	Reversible toeplate toeplate segments	Tipped teeth & toeplate segments
Bucket capacity (SAE heaped)	m ³ (yd ³)	2.8 (3.7)	3.1 (4.1)	3.3 (4.3)	3.3 (4.3)	3.5 (4.6)	3.3 (4.3)	3.5 (4.6)	3.1 (4.1)	3.3 (4.3)	3.3 (4.3)	3.5 (4.6)	3.3 (4.3)
Bucket capacity (struck)	m ³ (yd ³)	2.497 (3.266)	2.791 (3.651)	2.991 (3.912)	2.933 (3.836)	3.137 (4.103)	2.933 (3.836)	3.137 (4.103)	2.497 (3.266)	2.687 (3.515)	2.648 (3.464)	2.844 (3.720)	2.648 (3.464)
Bucket width	mm (ft-in)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2800 (9-2)	2800 (9-2)	2800 (9-2)	2800 (9-2)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)	2837 (9-4)
Bucket weight with wearparts	kg (lb)	1529 (3371)	1602 (3532)	1645 (3627)	1722 (3797)	1765 (3892)	1722 (3797)	1765 (3892)	1380 (3043)	1416 (3122)	1495 (3296)	1531 (3376)	1495 (3296)
Maximum material density	kg/m ³ (lb/yd ³)	1770 (2983)	1591 (2681)	1483 (2500)	1479 (2493)	1384 (2333)	1479 (2493)	1384 (2333)	1457 (2455)	1358 (2290)	1355 (2284)	1269 (2138)	1355 (2284)
Tipping load straight	kg (lb)	11976 (26402)	11917 (26272)	11834 (26090)	11815 (26049)	11735 (25871)	11815 (26049)	11735 (25871)	10963 (24170)	10888 (24004)	10871 (23967)	10797 (23803)	10871 (23967)
Tipping load full turn	kg (lb)	9910 (21847)	9861 (21740)	9789 (21580)	9765 (21528)	9692 (21366)	9765 (21528)	9692 (21366)	9033 (19913)	8966 (19768)	8945 (19720)	8878 (19572)	8945 (19720)
Payload at 50% FTTL	kg (lb)	4955 (10925)	4931 (10870)	4894 (10790)	4883 (10765)	4846 (10683)	4883 (10765)	4846 (10683)	4516 (9957)	4483 (9884)	4473 (9861)	4439 (9786)	4473 (9861)
Maximum break out force	kN (lbf)	164 (36867)	151 (33945)	145 (32596)	142 (31922)	136 (30573)	142 (31922)	136 (30573)	134 (30123)	129 (28999)	126 (28325)	121 (27201)	126 (28325)
M Dump angle maximum	degrees	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°
N Roll back angle at full height	degrees	53°	53°	53°	53°	53°	53°	53°	53°	53°	53°	53°	53°
O Roll back at carry	degrees	52°	52°	52°	52°	52°	52°	52°	52°	52°	52°	52°	52°
P Roll back at ground level	degrees	44°	44°	44°	44°	44°	44°	44°	44°	44°	44°	44°	44°
Q Load over height	mm (ft-in)	4393 (14-5)	4393 (14-5)	4393 (14-5)	4402 (14-5)	4402 (14-5)	4393 (14-5)	4393 (14-5)	4393 (14-5)	4273 (14-0)	4402 (14-5)	4282 (14-1)	4393 (14-5)
R Dump height (45° dump)	mm (ft-in)	3376 (11-1)	3312 (10-10)	3270 (10-9)	3458 (11-4)	3416 (11-2)	3312 (10-10)	3270 (10-9)	3192 (10-6)	3130 (10-3)	3338 (10-11)	3296 (10-10)	3192 (10-6)
S Dig depth	mm (ft-in)	75 (0-3)	75 (0-3)	75 (0-3)	91 (0-4)	91 (0-4)	109 (0-4)	109 (0-4)	75 (0-3)	75 (0-3)	91 (0-4)	91 (0-4)	109 (0-4)
T Reach at dump height	mm (ft-in)	1099 (3-7)	1259 (4-2)	1213 (4-0)	1162 (3-10)	1117 (3-8)	1259 (4-2)	1213 (4-0)	1379 (4-6)	1333 (4-5)	1283 (4-3)	1237 (4-1)	1379 (4-6)
Reach maximum (45° dump)	mm (ft-in)	2553 (8-5)	2617 (8-7)	2659 (8-9)	2509 (8-3)	2551 (8-4)	2617 (8-7)	2659 (8-9)	2737 (9-0)	2779 (9-1)	2629 (8-8)	2617 (8-9)	2737 (9-0)
Operating weight (includes 80kg operator and full fuel tank)	kg (lb)	19471 (42926)	19544 (43087)	19593 (43195)	19664 (43352)	19713 (43460)	19664 (43352)	19713 (43460)	19867 (43799)	19917 (43909)	19988 (44066)	20037 (44174)	19988 (44066)



LOADER – HT

Widely spaced four ram geometry provides the combination of excellent visibility with high bucket torque characteristics throughout the working arc. The pin, bush and sealing design on all pivot points provide extended maintenance intervals.

LOADER – ZX

Heavy duty three ram geometry provides high breakout forces with excellent loading characteristics. The pin, bush and sealing design on all pivot points provide extended maintenance intervals.

ENGINE

6-cylinder variable geometry turbo-charged and charge air cooled 8.9l diesel engine. High pressure common rail fuel injection, cooled exhaust gas recirculation and a diesel particulate filter combine to reduce emissions and optimise fuel efficiency.

Manufacturer		Cummins
Model		QSL9
Displacement	ltr (in ³)	8.9 (543)
Bore	mm (in)	114 (4.49)
Stroke	mm (in)	145 (5.69)
Aspiration		Variable Geometry Turbocharger
No. of Cylinders		6
Max. Gross Power to SAE J1995/ISO 14396	kW (hp) @ 1800rpm	186 (250)
Rated Gross Power to SAE J1995/ISO 14396	kW (hp) @ 2200rpm	186 (250)
Nett Power to SAE J1349	kW (hp) @ 2100rpm	184 (247)
Gross Torque at 1500rpm	Nm (lb-ft) @ 1500rpm	1085 (800)
Economic Working Range	rpm	800 - 1800
Torque Rise	%	34.1
Valves per Cylinder		4
Wet Weight	kg	708
Air Cleaner		Cyclonic pre filter with scavenge system
Fan Drive Type		Hydraulic
Emissions:		US EPA Tier 4i, EU Stage IIIB

TRANSMISSION

4 wheel drive, automatic 4 speed transmission. "Power-Inch" intelligent clutch cut off technology as standard. Optional 5 speed transmission with auto-locking torque converter available for even more speed and efficiency.

Type		4 speed non-lock up converter	5 speed with lock up torque converter
Make		ZF	ZF
Model		4WG210 (standard)	5WG210 with lock-up (option)
Forward speed 1	kph (mph)	7.0 (4.3)	7.1 (4.4)
Forward speed 2	kph (mph)	13.7 (8.5)	12.6 (7.8)
Forward speed 3	kph (mph)	26.1 (16.2)	19.1 (11.9)
Forward speed 4	kph (mph)	41.5 (25.8)	29.1 (18.1)
Forward speed 5	kph (mph)		42.7 (26.6)
Reverse 1	kph (mph)	7.3 (4.6)	7.5 (4.7)
Reverse 2	kph (mph)	14.4 (9.0)	13.3 (8.3)
Reverse 3	kph (mph)	27.4 (17.0)	30.6 (19.0)

AXLES

3 axles options available; Torque proportioning differentials, Limited slip differentials or Open differentials with automatic differential locking. All axle options feature wheel speed braking for lower heat build up and longer service life.

Type	Open Differential	Limited Slip Differential	Open Differential with auto-locking front
Make and Model	ZF MT-L 3095 MK 2 (front and rear)	ZF MT-L 3095 MK 2 (front and rear)	ZF MT-L 3095 MK 2 (front and rear)
Overall Axle ratio	23.334:1	23.334:1	23.334:1
Rear Axle Oscillation	± 12.5°	± 12.5°	± 12.5°
Bias Ratio	12%	30%	100% (when locked)

ELECTRICAL SYSTEM

24 volt negative ground system, 70 Amp alternator with 2 x 110 Amp hour low maintenance batteries. Isolator located in rear of machine. Ignition key start/stop and pre-heat cold start. Primary fuse box. Other electrical equipment includes quartz halogen, twin filament working lights, front/rear wash/wipe, heated rear screen, full road going lights, clock, gauge and warning light monitoring. Connectors to IP67 standard.

System voltage	Volt	24
Alternator output	Amp hour	70
Battery capacity	Amp hour	2 x 110



STEERING

Priority steer hydraulic system with emergency steering. Piston pump meters flow through steer valve to provide smooth low effort response. Steering angle $\pm 40^\circ$. Steer rams fitted with end rod damping to provide cushioned steering at full articulation. Adjustable steering column.

BRAKES

Hydraulic power braking on all wheels, operating pressure 80 bar (1160psi). Dual circuit with accumulator back-up provide maximum safety under all conditions. In board mounted, oil immersed, multi-plate disc brakes with sintered linings reduce heat build up. Wheel speed braking improves performance and reduce wear. Parking brake, electro-hydraulic disc type operating on transmission output shaft.

SERVICE FILL CAPACITIES

Hydraulic System	litres (UK gal)	135 (29.7)
Fuel System	litres (UK gal)	309 (68.0)
Engine Oil (includes filter)	litres (UK gal)	19 (4.2)
Engine Coolant	litres (UK gal)	40 (8.8)
Axles	litres (UK gal)	34 (7.5)
Transmission	litres (UK gal)	41 (9.0)

CAB

Resiliently mounted ROPS/FOPS structure (tested in accordance with EN3471:2008/EN3449: 2008 (Level 2). Entry/exit is via a large rear hinged door, grab handles giving 3 points of contact and anti-slip inclined steps. Forward visibility through a curved, laminated windscreen with lower glazed quarter panels, two interior mirror and heated exterior mirrors. Instrumentation analogue/digital display gauges along with full colour LCD screen including selectable machine and operator menus along with service and diagnostic screens. Heating/ventilation provides balanced and filtered air distribution throughout the cab via a powerful 8 kW capacity heater, with air conditioning and climate control system as options. Provision of speakers and antenna for radio fitment (radio/CD not included). The cab environment is positively pressurised preventing the ingress of dust including in-cab recirculation filter. Fabric mechanical suspension seat as standard with various options including vinyl material, air suspension, heating and deluxe Grammer Actimo XXL air suspension seat with headrest, twin armrests, lumbar support, backrest extension, heating and full adjustment. Coat hook, cup holder and additional stowage space. Fuse box positioned at rear for access to fuses, relays and diagnostic connectors.

TYRES

A variety of tyre options are available including: 23.5R25 XTLA (L2), 23.5R25 XHA (L3), 23.5R25 TL-3A+ (L3), 23.5R25 RT-3B (L3), 23.5x25x20 ply HRL (L3), 23.5x25x20 ply (L3), 23.5R25 JCB (L3), 23.5R25 XMINE (L5), 23.5R25 XLDD2 (L5), 23.5R25 RL-5K (L5), 23.5R25 DWL (Solid Cushion), 23.5R25 SE (Solid Cushion)

ATTACHMENTS

An extensive range of attachments are available to fit directly or via the JCB quickhitch mounting.

457 HT – LOADER HYDRAULICS

Variable displacement piston pump feed a "load sensing" system providing a fuel efficient and responsive distribution of power as required. Main services are servo actuated from a single lever (joystick) loader control. Auxiliary circuits controlled via additional lever or joystick mounted electrical buttons. Accumulator back-up is available to control loader in the event of loss of pump pressure.

Pump type	Twin variable displacement piston pump	
Pump 1 max. flow	l/min (UK gal/min)	163 (36)
Pump 1 max. pressure	bar (lb/in ²)	250 (3625)
Pump 2 max. flow	l/min (UK gal/min)	163 (36)
Pump 2 max. pressure	bar (lb/in ²)	160 (2320)
Hydraulic cycle times at full engine revs	seconds	
Arms raise (full bucket)	5.8	
Bucket dump (full bucket)	1.2	
Arms lower (empty bucket)	4.1	
Total cycle	11.1	

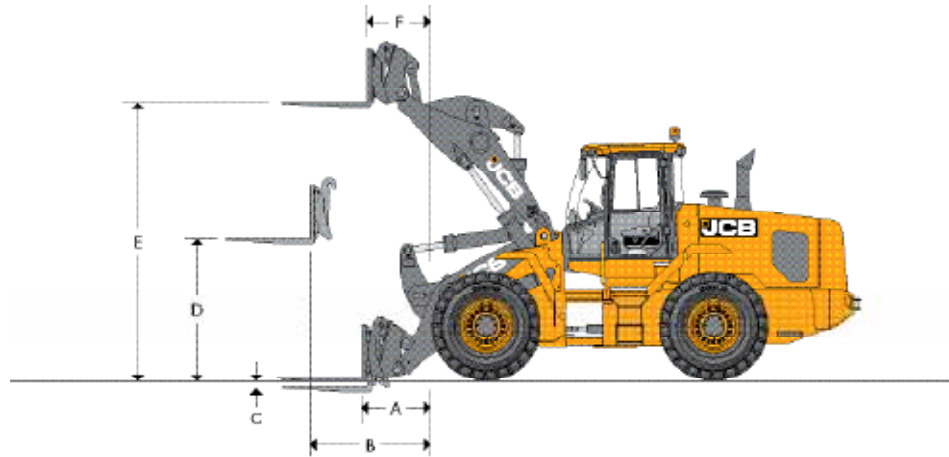
Ram dimensions		Bore	Rod	Closed centres	Stroke
Bucket ram x2	mm (in)	130 (5.1)	75 (3.0)	1845 (72.6)	1270 (50.0)
Lift ram x2	mm (in)	160 (6.3)	80 (3.1)	1290 (50.8)	744 (29.3)
Steer ram x2	mm (in)	90 (3.5)	50 (2.0)	621 (24.4)	312 (12.3)

457 ZX – LOADER HYDRAULICS

Variable displacement piston pump feed a "load sensing" system providing a fuel efficient and responsive distribution of power as required. Main services are servo actuated from a single lever (joystick) loader control. Auxiliary circuit controlled via additional lever or joystick mounted electrical buttons. Accumulator back-up is available to control loader in the event of loss of pump pressure.

Pump type	Twin variable displacement piston pump	
Pump 1 max. flow	l/min (UK gal/min)	163 (36)
Pump 1 max. pressure	bar (lb/in ²)	250 (3625)
Pump 2 max. flow	l/min (UK gal/min)	163 (36)
Pump 2 max. pressure	bar (lb/in ²)	160 (2320)
Hydraulic cycle times at full engine revs	seconds	
Arms raise (full bucket)	5.8	
Bucket dump (full bucket)	1.2	
Arms lower (empty bucket)	4.1	
Total cycle	11.1	

Ram dimensions		Bore	Rod	Closed centres	Stroke
Bucket ram x1	mm (in)	180 (7.1)	90 (3.5)	1080 (42.5)	570 (22.4)
Lift ram x2	mm (in)	160 (6.3)	80 (3.1)	1290 (50.8)	744 (29.3)
Steer ram x2	mm (in)	90 (3.5)	50 (2.0)	621 (24.4)	312 (12.3)

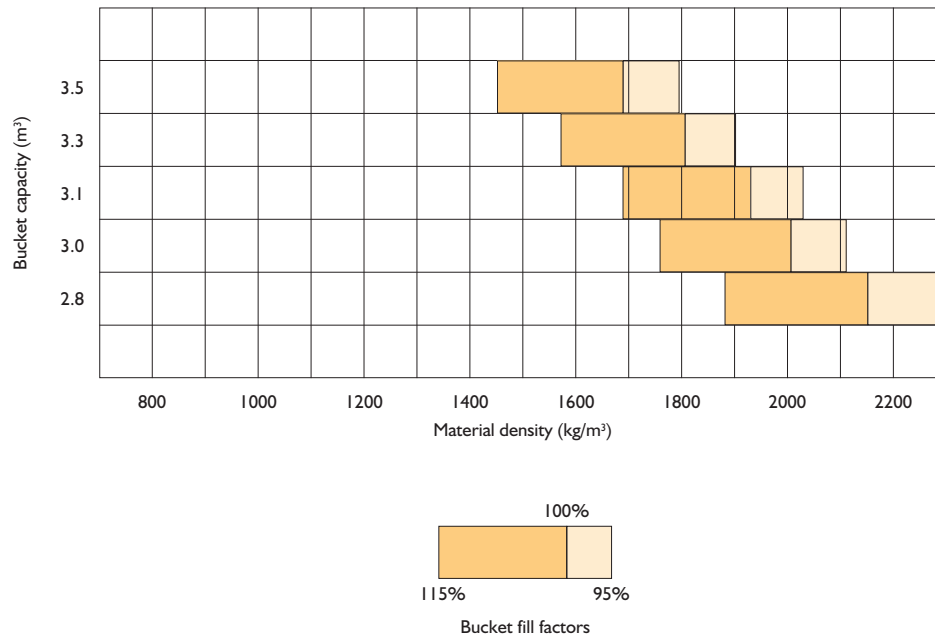


457 ZX – LOADER DIMENSIONS – FORK FRAME WITH FORKS

Assumes the fitment of Michelin 23.5R25 XHA (L3) tyres		Standard arm	High lift arm
Fork carriage width	mm (ft-in)	1500 (4-11)	1500 (4-11)
Length of tines	mm (ft-in)	1220 (4-0)	1220 (4-0)
A Reach at ground level	mm (ft-in)	1084 (3-7)	1644 (5-5)
B Reach at arms horizontal	mm (ft-in)	1695 (5-7)	2172 (7-2)
C Below ground level	mm (ft-in)	16 (0-1)	16 (0-1)
D Arms, horizontal height	mm (ft-in)	1975 (6-6)	1975 (6-6)
E Arms, maximum height	mm (ft-in)	3997 (13-1)	4567 (15-0)
F Reach at maximum height	mm (ft-in)	735 (2-5)	813 (2-8)
Payload*	kg (lb)	8000 (17637)	6074 (13391)
Tipping load straight	kg (lb)	12202 (26900)	9175 (20228)
Tipping load full turn (40°)	kg (lb)	10178 (22439)	7594 (16741)
Attachment weight	kg (lb)	590 (1301)	590 (1301)

*At the centre-of-gravity distance 600mm (2ft-0in). Based on 80% of full turn tipping load as defined by ISO 8313. Manual fork spacings at 50mm (2in) increments. Class 4A Fork section 150mm x 60mm (6in x 2.4in).

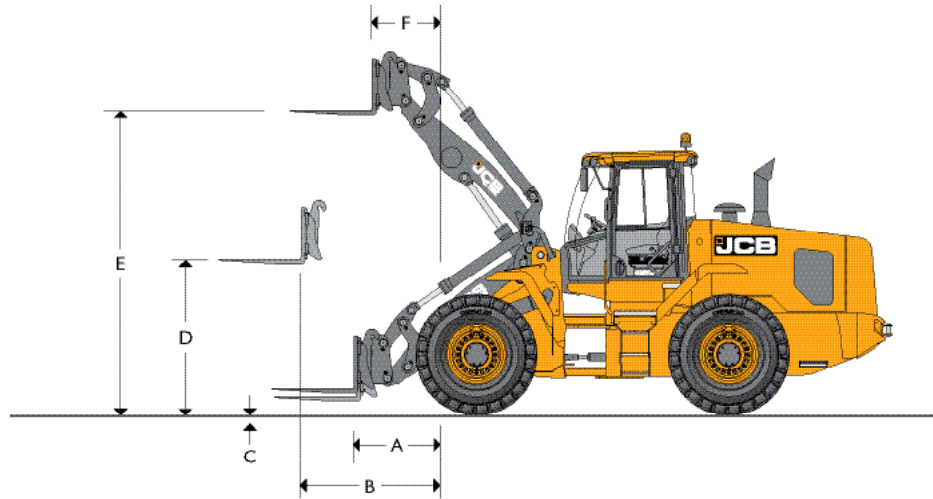
BUCKET SELECTOR



Material	Loose density		Fill factor
	kg/m³	lb/yd³	%
Snow (fresh)	200	337	110
Peat (dry)	400	674	100
Sugar beet	530	894	100
Coke (loose)	570	961	85
Barley	600	1012	85
Petroleum coke	680	1146	85
Wheat	730	1231	85
Coal bitumous	765	1290	100
Fertiliser (mixed)	1030	1737	85
Coal anthracite	1046	1764	100
Earth (dry) (loose)	1150	1939	100
Nitrate fertiliser	1250	2180	85
Sodium chloride (dry) (salt)	1300	2192	85
Cement Portland	1440	2428	100
Limestone (crushed)	1530	2580	100
Sand (dry)	1550	2613	100
Asphalt	1600	2698	100
Gravel (dry)	1650	2782	85
Clay (wet)	1680	2832	110
Sand (wet)	1890	3187	110
Fire clay	2080	3507	100
Copper (concentrate)	2300	3878	85
Slate	2800	4721	100
Magnetite	3204	5402	100



457 HT – LOADER DIMENSIONS – FORK FRAME WITH FORKS



LOADER DIMENSIONS – FORK FRAME WITH FORKS

	Standard height arm		Super high lift arm	
	mm (ft-in)		mm (ft-in)	
Fork carriage width	1500 (4-11)		1500 (4-11)	
Length of tines	1220 (4-0)		1220 (4-0)	
A Reach at ground level	1175 (3-10)		2143 (7-0)	
B Reach at arms horizontal	1851 (6-1)		2650 (8-8)	
C Tine surface to ground level	50 (0-2)		50 (0-2)	
D Arms horizontal height	1975 (6-6)		1975 (6-6)	
E Arms maximum height	4194 (13-9)		5160 (16-11)	
F Reach at maximum height	874 (2-10)		931 (3-1)	
Payload **	kg (lb)	8000 (17637)	kg (lb)	5945 (13106)
Tipping load straight	kg (lb)	11653 (25691)	kg (lb)	8588 (18934)
Tipping load full turn (40°)	kg (lb)	10082 (22227)	kg (lb)	7430 (16381)
Attachment weight	kg (lb)	590 (1301)	kg (lb)	590 (1301)

Assumes the machine is fitted with Michelin 23.5R25 XHA (L3) tyres.

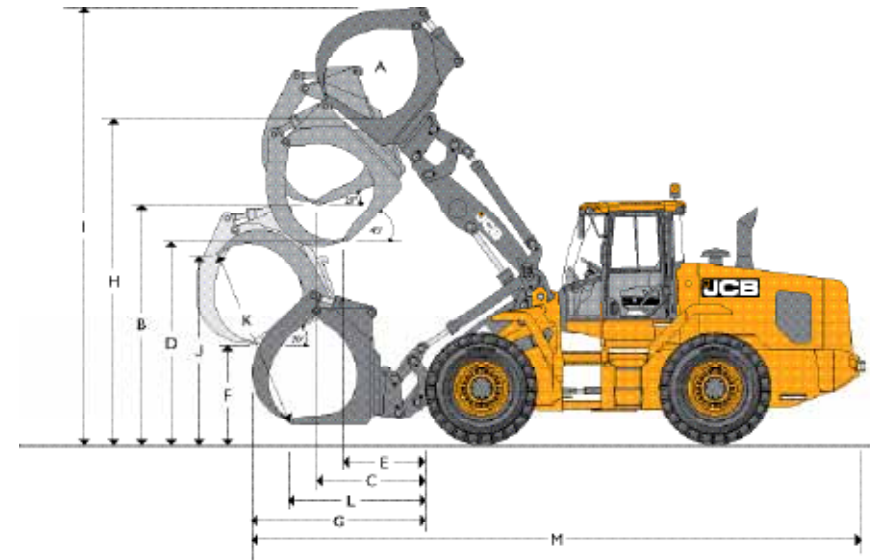
** At a centre of gravity distance of 600mm (2-0).

Based on 80 % of full turn tipping load as defined by ISO 8313.

Manual fork spacings at 50mm increments.

Class 4A fork section 60 mm x 150 mm (2.4 x 6 inches).

UNLOADING GRAPPLE DIMENSIONS – STANDARD HEIGHT ARM



UNLOADING GRAPPLE DIMENSIONS – STANDARD HEIGHT ARM

	Standard height arm	
	mm (ft-in)	
A Grapple capacity	m ² (yd ²)	2.40 (2.87)
B Tine height at 20° dump		3707 (12-2)
C Reach at full height and 20° dump		1998 (6-7)
D Tine height at 45° dump		3087 (10-2)
E Reach at full height and 45° dump		1494 (4-11)
F Tine height, arms horizontal and 20° dump		1228 (4-0)
G Reach, arms horizontal and 20° dump		3086 (10-1)
H Maximum height inside grapple		5129 (16-10)
I Maximum height		7084 (23-3)
J Height at maximum opening		2357 (7-9)
K Maximum opening		2706 (8-11)
L Reach at ground level		2804 (9-2)
M Overall length		9524 (31-3)
Operating weight	kg (lb)	20630 (45481)

Assumes the machine is fitted with Michelin 23.5R25 XHA (L3) tyres.



STANDARD EQUIPMENT

HT Loader: Bucket reset mechanism (selectable), loader arm kickout mechanism (selectable), loader control isolator, single lever or multi lever servo control, high torque geometry combines with excellent visibility between arms.

ZX Loader: Bucket reset mechanism (selectable), loader arm kickout mechanism (selectable), loader control isolator, single lever or multi lever servo control, high breakout forces with excellent loading characteristics.

Engine: Air cleaner – cyclonic pre filter with scavenge system. Variable geometry turbocharger, cooled exhaust gas recirculation, diesel particulate filter, isolated cooling package with hydraulically driven cooling fan. Selectable ECO mode (217hp)

Transmission: Single lever shift control, neutral start, 'Power-Inch' Intelligent clutch cut off on footbrake (selectable), direction changes and kickdown on gear selector and loader control lever.

Axles: Epicyclic wheel hub reduction, fixed front, oscillating rear.

Brakes: Multi-plate wet disc brakes, sintered brake pads, dual circuit hydraulic power, wheel speed braking. Parking disc brake on transmission output shaft.

Hydraulics: Twin piston pumps with priority steer, emergency steer back-up, 2 spool loader circuit with accumulator support, 3rd and 4th spool auxiliary hydraulic circuits available as an option.

Steering: Adjustable steering column, "soft feel" steering wheel, 5 turns lock to lock, resilient stops on max lock.

Cab: ROPS/FOPS safety structure, interior light, centre mounted master warning light. Electronic monitoring panel with full colour LCD display. Two speed intermittent front windscreen wipe/wash and self park, single speed rear windscreen wipe/wash and self park. 3 speed heater/demisting with replaceable air filter, RH opening windows, sun visor, internal rear view mirror, heated external mirrors, adjustable suspension seat with belt and headrest, operator stowage, laminated windscreen, heated rear screen, loader control isolator, horn, adjustable armrest.

Electrical: Road lights front and rear, parking lights, front and rear working lights, reverse alarm and light, rear fog light, battery isolator, radio wiring and speakers, 70 amp alternator, rotating beacon.

Bodywork: Front and rear fenders, side and rear access panels, mesh air intake screens, flexible bottom step, full width rear counterweight, recovery hitch, lifting lugs.

457 HT – OPTIONAL EQUIPMENT

Loader: High lift loader end (ZX loader only), Super high lift loader end (HT loader only), Smoothride system (SRS), hydraulic quickhitch with in-cab pin isolation, parallel lift links (HT loader only – recommended for pallet forks), safety strut, replaceable bucket wear parts.

Engine: Widecore radiator, epoxy coated radiator / coolers, automatically reversing cooling fan, engine block heater

Transmission: 5 speed transmission with Lock-up torque converter, transmission cooler bypass

Axles: Limited slip differentials front and rear, Open differential with automatic differential locking -100% (front axle only)

Hydraulics: ARV kit, 3rd hydraulic spool (ZX only, standard on HT), 4th hydraulic spool

Cab: Canopy cab, wastemaster cab, air conditioning, Climate control, joystick or multi-lever hydraulic controls, auxiliary hydraulic control on separate lever or joystick mounted (proportional), 24V to 12V in cab converter, cab screen guards, heated air suspension seat, Grammer Actimo XXL seat, front and rear blinds, P3 cab air filter, Carbon cab air filter

Electrical: Reversing camera (colour), additional front and rear work lights, sealed electrics, non-heated mirrors

Bodywork: Full rear fenders, light guards, number plate light kit, white noise reverse alarm, smart reverse alarm, basic belly guard kits

Miscellaneous options: Automatic greasing system, Biodegradable hydraulic oil, fire extinguisher, grease gun and cartridge

Wastemaster package: Includes front and rear light guards, widecore radiator, carbon cab air filter, front screen guard, full belly guarding, Wastemaster decal.

