



**MOUNTAINS RECREATION & CONSERVATION AUTHORITY**

Los Angeles River Center and Gardens  
570 West Avenue Twenty-six, Suite 100  
Los Angeles, California 90065  
Phone (323) 221-9944 Fax (323) 221-9934

**April 18, 2017**

MRCA  
Attachment  
5/3/17  
Agenda Item VI (d)

**Bid Results**  
**New Heavy Equipment Bid**  
**570 W. Ave. 26, Los Angeles, CA 90065**

**Equipment Type #4 – Mini-Excavator**

1. ~~Sonsray Machinery, LLC~~  
~~10950 Norwalk Blvd.~~  
~~Santa Fe Springs, CA 90670~~  
~~Total Bid: \$30,371.70~~

\* The bid was disqualified because it did not meet all the heavy equipment specifications.

2. **JCB of Southern CA**  
**a division of Yale/Chase**  
**Equipment and Services, Inc.**  
**2615 Pellissier Pl.**  
**Industry, CA 90601**  
**Total Bid: \$30,929.78**

3. Diamond A Equipment  
821 North Rice Ave.  
Oxnard, CA 93030  
Total Bid: \$32,292.00

4. Eberhard Equipment  
2506 S. Harbor Blvd.  
Santa Ana CA, 92704  
Total Bid: \$33,956.98

5. Coastline Equipment Co.  
6188 N. Paramount Blvd.  
Long Beach, CA 90805  
Total Bid: \$36,195.26

6. Diamond A Equipment  
2635 E. South Street  
Long Beach, CA 90805  
Total Bid: \$36,199.61

7. Volvo Construction Equipment and Services  
22099 Knabe Road  
Corona, CA 92883  
Total Bid: \$38,417.03
  
8. Quinn Company  
P.O. Box 226789  
Los Angeles, CA 90022  
Total Bid: \$38,767.00

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Attachment  
5/3/17  
Agenda Item VI (d)

MRCA 2017 NEW HEAVY EQUIPMENT BID  
PRICING SHEET

\* Must include all applicable taxes and fees.

Equipment Type	Description	Quantity	Total Cost (per type)
1	4WD Skip Loader	1	No BID
1-alt #1	4WD Skip Loader	1	No BID
2	4WD Farm-Style Tractor	1	No BID
3	Flatbed Trailer	1	\$ 14,285.17
4	Mini-Excavator	1	\$ 30,929.78
5	Mid-Sized Excavator	1	\$ 53,573.69

TOTAL COST (ALL new heavy equipment) = \$ 98,588.64

Company: JCB OF SOUTHERN CA <sup>A DIVISION OF</sup> YALE/CHASE EQUIPMENT & SERVICES, INC.

Authorized Representative: STEVE CLARK

Title: GENERAL MANAGER

Signature: *Steve Clark*

Date: 03/22/2017

**NEW**

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Attachment  
5/3/17  
Agenda Item VI (d)



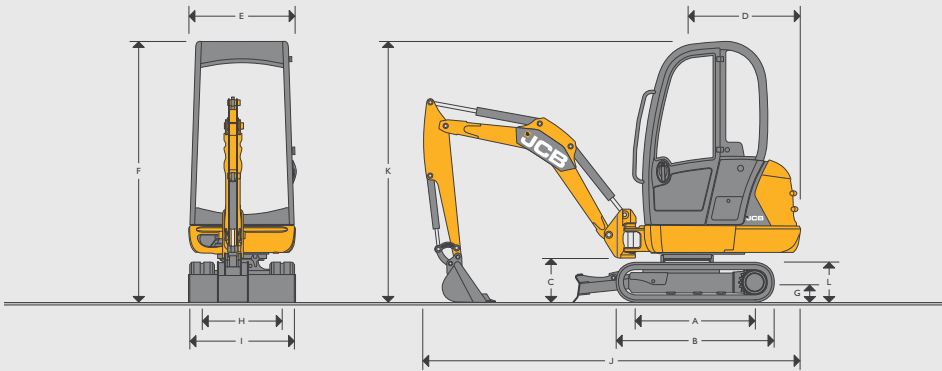
## 8018 Conventional Tail Swing Compact Excavator

Operating Weight: 4017 lbs / 4557 lbs   Net Engine Power: 19 HP



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Attachment  
5/3/17  
Agenda Item VI (d)**

**STATIC DIMENSIONS**



Machine model	8018 CTS	
A Sprocket idler centres	ft-in (mm)	3-8 (1127)
B Undercarriage overall length	ft-in (mm)	4-10 (1484)
C Swing Bracket clearance	ft-in (mm)	1-4 (394)
D Tailswing radius	ft-in (mm)	3-6 (1059)
Tailswing over track	ft-in (mm)	1-10/1-3 (569/389)
E Overall width of superstructure	ft-in (mm)	3-3 (996)
F Height over cab	ft-in (mm)	7-7 (2318)
G Ground clearance	ft-in (mm)	0-6 (158)
H Track gauge	ft-in (mm)	2-6 to 3-8 (750 to 1110)
I Width over tracks (retracted)	ft-in (mm)	3-3 (980)
Width over tracks (extended)	ft-in (mm)	4-5 (1340)
J Transport length – Standard arm	ft-in (mm)	11-7 (3523)
J Transport length – Long arm	ft-in (mm)	11-4 (3467)
J Transport length – Gravemaster arm	ft-in (mm)	10-9 (3265)
K Transport height with FOGS guard	ft-in (mm)	7-8 (2340)
K Transport height without FOGS guard	ft-in (mm)	7-7 (2318)
L Track height	ft-in (mm)	1-2 (366)

**ENGINE**

Machine model	8018 CTS	
Model	403D-11	
Fuel	Diesel	
Cooling	Water cooled	
Gross power ISO 14396	hp (kW) @ 2200 rpm	19.7 (14.7)
Net power	hp (kW) @ 2200 rpm	19 (14.2)
Gross torque ISO 14396	lbf ft @ 1600 rpm	49.3
Net torque	lbf ft @ 1600 rpm	47.4
Displacement	Cubic in./Gallons	69 / .30
Gradeability	degrees	35
Starter motor	hp (kW)	1.48 (1.1)
Battery	volt / Ah	12v / 60
Alternator	amps	40

**UNDERCARRIAGE**

Machine model	8018 CTS	
No of bottom rollers	3	
Track width	ft-in (mm)	0-9 (230)
Ground pressure	lbs/in <sup>2</sup>	0.12
Ground clearance	ft-in (mm)	0-6 (158)
Track tensioning	Grease	
Travel speed – low	mph (kph)	1.4 (2.2)
Travel speed – high	mph (kph)	2.4 (3.9)
Tractive effort	lbf (kN)	3102 (13.8)

**HYDRAULIC SYSTEM**

Machine model	8018 CTS		
		Standard gear pump	Optional variable pump
Pump		Triple section Gear	1 Variable (2 Ports) / 1 Gear
Nominal output	gpm	11.5(4.2 x 4.2 x 3.2)	12.4(4.5 x 4.5 x 3.4)
Excavator/track main relief	psi (bar)	3336 (230)	
Slew main relief	psi (bar)	2321 (160)	
Auxiliary hydraulic flow	gpm (lpm)	(26)	
Hydraulic motors	Piston		

**OPERATOR ENVIRONMENT**

Machine model	8018 CTS	
Cab/canopy length	ft-in (mm)	3-10 (1171)
Cab/canopy width	ft-in (mm)	3-2 (974)
Distance from seat base to roof	ft-in (mm)	4-0 (1223)
Door aperture width	ft-in (mm)	2-1 (624)

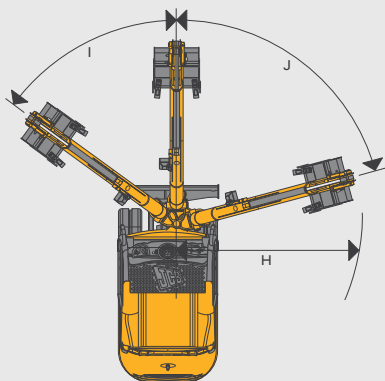
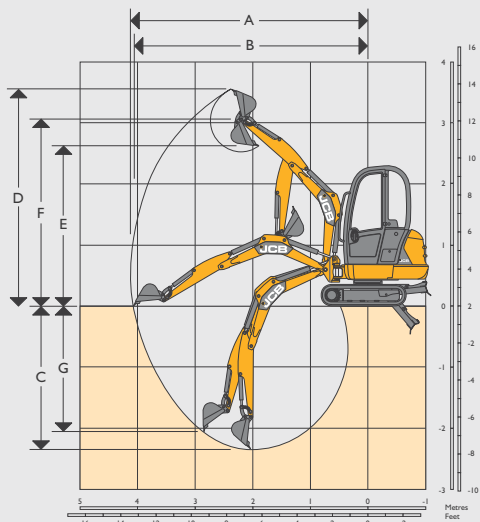
**SERVICE CAPACITIES**

Machine model	8018 CTS	
Fuel tank	US gal (litres)	6.2 (23.5)
Engine coolant	US gal (litres)	1.3 (5)
Engine oil	US gal (litres)	1.1 (4)
Hydraulic system	US gal (litres)	7.4 (28)
Hydraulic tank	US gal (litres)	6.6 (25)

**DOZER BLADE**

Machine model	8018 CTS	
Max height (above ground)	ft-in (mm)	0-10 (246)
Dig depth (below ground)	ft-in (mm)	1-3 (380)
Approach angle	degrees	25
Width	ft-in (mm)	3-3 (1000)
Width (extended)	ft-in (mm)	4-6 (1362)
Height	ft-in (mm)	0-7 (175)
Reach in front of tracks	ft-in (mm)	1-3 (370)

WORKING RANGE



Machine model	8018 CTS			
Boom length	ft-in (mm)	5-11 (1807)		
Arm length	ft-in (mm)	3-10 (1161)	4-2 (1261)	4-11 (1500)
A Max digging reach	ft-in (mm)	13-6 (4121)	13-10 (4222)	14-7 (4449)
B Max digging reach on ground	ft-in (mm)	13-4 (4073)	13-8 (4170)	14-5 (4401)
C Max digging depth – dozer up	ft-in (mm)	7-8 (2343)	8-0 (2442)	8-10 (2682)
Max digging depth – dozer down	ft-in (mm)	9-0 (2736)	9-4 (2836)	10-1 (3075)
D Max digging height	ft-in (mm)	11-8 (3555)	11-11 (3620)	12-5 (3774)
E Max dump height	ft-in (mm)	8-7 (2628)	8-10 (2692)	9-4 (2846)
F Max height to arm nose pivot pin	ft-in (mm)	10-0 (3054)	10-3 (3118)	10-9 (3272)
G Max vertical wallcut depth	ft-in (mm)	6-9 (2053)	7-1 (2148)	7-10 (2376)
H Min. front swing radius (no offset)	ft-in (mm)	5-4 (1638)	5-5 (1654)	5-7 (1693)
Min. front swing radius (fully offset)	ft-in (mm)	4-8 (1427)	4-9 (1442)	4-10 (1477)
I Boom swing left	degrees	55		
J Boom swing right	degrees	75		
Bucket rotation	degrees	198		
Arm rotation	degrees	121		
Bucket breakout force	lbf (kN)	3642 (16.2)		
Arm breakout force	lbf (kN)	2068 (9.2)	1866 (8.3)	1596 (7.1)
Slew speed	rpm	8.1		

EEC NOISE LEVELS (95/27/EC DYNAMIC)

Machine model	8018 CTS	
Cab external sound	dB (LwA)	93
Cab internal sound	dB (LpA)	77

MACHINE WEIGHTS

Machine model	8018 CTS	
Operating weight*	lb (kg)	4017 (1822)
With canopy	lb (kg)	-176 (-80)
With FOGS guard	lb (kg)	+55 (+25)
With long arm	lb (kg)	+4 (+2)
With Gravemaster arm	lb (kg)	+15 (+7)

\*Operating weight to ISO 6016 including cab, rubber tracks, standard arm, 1 ft bucket, full tanks and a 165lbs operator.

STANDARD EQUIPMENT

8018 CTS

ROPS & TOPS certified canopy, full audio/visual warning systems, slew travel lock, control isolator, external lockable toolbox, 12v power socket, lifting points, short pitch 9 in. rubber tracks, 2 speed tracking, hydraulically extending undercarriage, ISO servo controls, static seat, boom worklight, double acting auxiliary circuit, triple section gear pump, straight line travel circuit, extendable dozer blade, top mounted boom ram, 3'10" arm, bushed swing bracket, steel bushes in arm nose and bucket link, tilting cab, 3mm pressed steel hood.

OPTIONAL EQUIPMENT





















8018 CTS

ROPS & TOPS certified fully glazed cab with steel or glass lower door (includes heater, interior light, door holdback latch with internal/external release, gas strut assisted front screen), 9" steel tracks, suspension seat, dual pattern controls (ISO/SAE change-over), cab/canopy mounted worklights, 4'2" long arm, 4'11" Gravemaster arm\*, arm auxiliary pipework extensions, hand held tool circuit, variable displacement pump, engine fan guard kit, FOPS roof guard, external mirror, track pedals, toolkit, radio, biodegradable hydraulic oil, fire extinguisher, sunblind (cab builds), battery isolator, travel alarm, immobiliser, external fuel filler with lockable cap, inclinometer kit, rotating or strobe beacon, toolkit and greasegun, heavy-duty recoil track tensioner, JCB impact protection front screen, dozer streetpads, counterweight protection bumper kit, front and rear bolt on tie down points, high visibility reflective decal kit, worklight guards, Ezidig cable detector ready kit, customised paint, object lifting kit, 9 digging buckets (6" to 30"), 2 ditching/grading buckets (35" & 39"), hydraulic breakers, earthdrills, mechanical quickhitch, hydraulic kerb-lifter.

MRCA  
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5/3/17  
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

















**LIFT CAPACITIES – Standard dozer, 230mm rubber tracks, 1161mm dipper, no bucket.**


8018 CTS


Load Point	Reach from slew centre																				Distance
	8ft 2in (1.5m)				9ft 11in (2.0m)				11ft 6in (2.5m)				13ft 1in (3.0m)				Capacity at maximum reach				
																					
Height	Extended	Retracted	Dozer down	Dozer up	Extended	Retracted	Dozer down	Dozer up	Extended	Retracted	Dozer down	Dozer up	Extended	Retracted	Dozer down	Dozer up	Extended	Retracted	Dozer down	Dozer up	
ft-in (m)	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb
4-1 (1.5)									739*	511	739*	739*	712*	395	712*	529	540	335	668*	412	11-2
3-3 (1)					1142*	728	1142*	1142*	922*	527	922*	683	787*	401	787*	505	518	322	653*	390	11-6
1-8 (0.5)	1466	886			1087	653	1468*	827	774	489	994*	631	615	381	776*	481	500	309	626*	386	11-8
Ground Level	1367	860	1918*	1160	985	628	1420*	796	772	481	1069*	613	597	379	763*	448	500	333	586*	379	11-6
-1-8 (-0.5)	1464	831	1678*	1124	941	608	1296*	794	721	474	981*	608	721*	379	721*	472	595*	337	595*	408	11-0
-3-3 (-1)	1376*	758	1376*	1043	1113*	593	1113*	785	827*	467	827*	593	593*	386	593*	461	536*	386	536*	536*	10-2

**LIFT CAPACITIES – Standard Dozer, 230mm Rubber Tracks, 1261mm dipper, No bucket.**

8018 CTS

Load Point	Reach from slew centre																				Distance
	8ft 2in (1.5m)				9ft 11in (2.0m)				11ft 6in (2.5m)				13ft 1in (3.0m)				Capacity at maximum reach				
																					
Height	Extended	Retracted	Dozer down	Dozer up	Extended	Retracted	Dozer down	Dozer up	Extended	Retracted	Dozer down	Dozer up	Extended	Retracted	Dozer down	Dozer up	Extended	Retracted	Dozer down	Dozer up	
ft-in (m)	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb
4-1 (1.5)									672*	672*	672*	556	675*	414	675*	511	518	322	642*	410	11-6
3-3 (1)					1027*	712	1027*	1027*	855*	511	855*	778	745*	406	745*	509	494	298	615*	388	12-0
1-8 (0.5)					1124	661	1351*	831	816	494	1030*	617	650	388	774*	467	487	293	595*	364	12-0
Ground Level	1367	877	1975*	1076	1003	646	1466*	794	754	474	1049*	604	595	379	820*	481	487	306	582*	368	12-0
-1-8 (-0.5)	1356	794	1649*	1038	977	611	1287*	761	739	463	946*	586	615	368	723*	470	560*	317	560*	406	11-4
-3-3 (-1)	1323*	785	1323*	1047	1149*	575	1149*	776	844*	456	844*	593	633*	364	633*	476	542*	348	542*	542*	10-6

 Lift capacity front.

 Lift capacity full circle.

- Notes:**
1. Lifting capacities are based on ISO 10567, that is: 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked\* are based on hydraulic capacity.
  2. Lift capacities assume that the machine is on firm, level ground and equipped with an approved lifting point.
  3. A bucket must be fitted when lifting, the weight of this bucket must be deducted from the above lift capacities.
  4. Lift capacities may be limited by local regulations. Please refer to your dealer.

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