

ARCADIA SHIPPING & TRADING CO.,

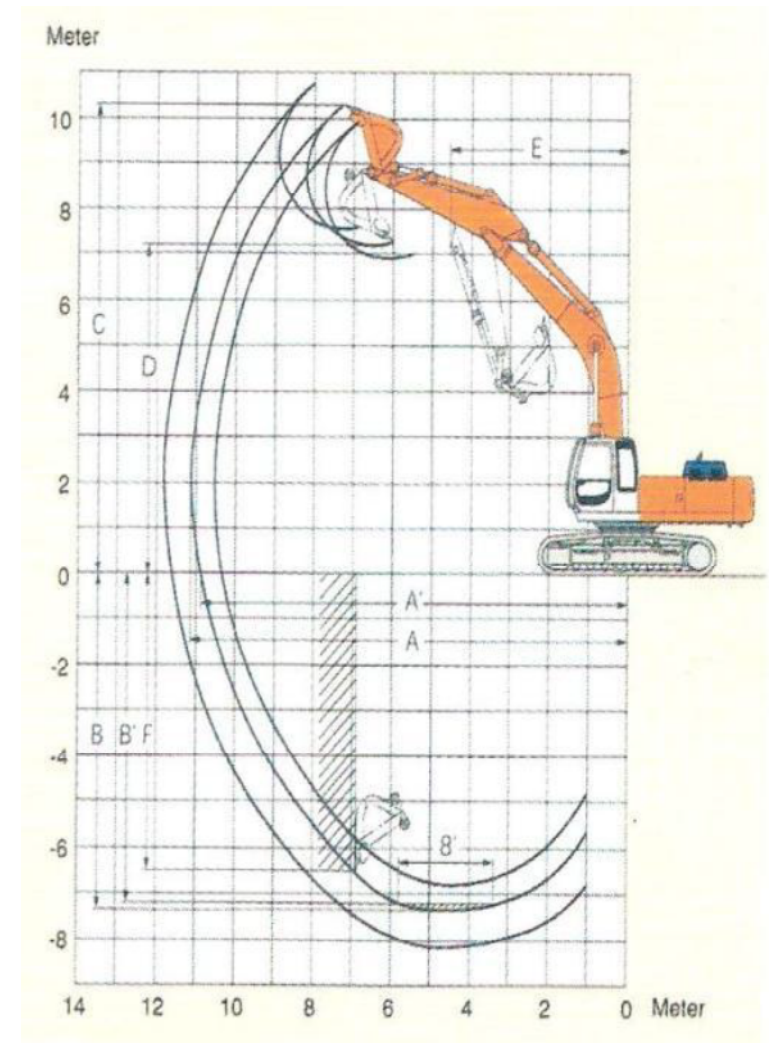
5th Floor, City Point, Opp. Town Hall, Jamnagar - 361 001

Phone : 91-288-255 1901 (4 Lines) Fax : 91-288-255 2566 Email : info@arcadia.co.in

Working Ranges of EX-300 LCH

Boom Length (m)	6.40		
Arm Length (m)	2.66	3.20	4.00
A.Max. digging reach (mm)	10570	11100	11860
A' Max. digging reach (on ground) (mm)	10360	10900	11680
B Max. digging depth (mm)	6850	7380	8180
B' Max. digging depth (8' level) (mm)	6650	7220	8050
C Max. cutting height (mm)	9870	10230	10620
D Max. dumping height' (mm)	6830	7130	7500
E Min. swing radius (mm)	4580	4490	4520
F Max. vertical wall (mm)	5620	6480	7370
Bucket digging force	ISO (kgf)	22100	22200
		*24200	*24200
Arm crowd force	ISO (kgf)	19200	16000
		*21000	*17500

Note: Excluding track shoe lug * At power boost Standard



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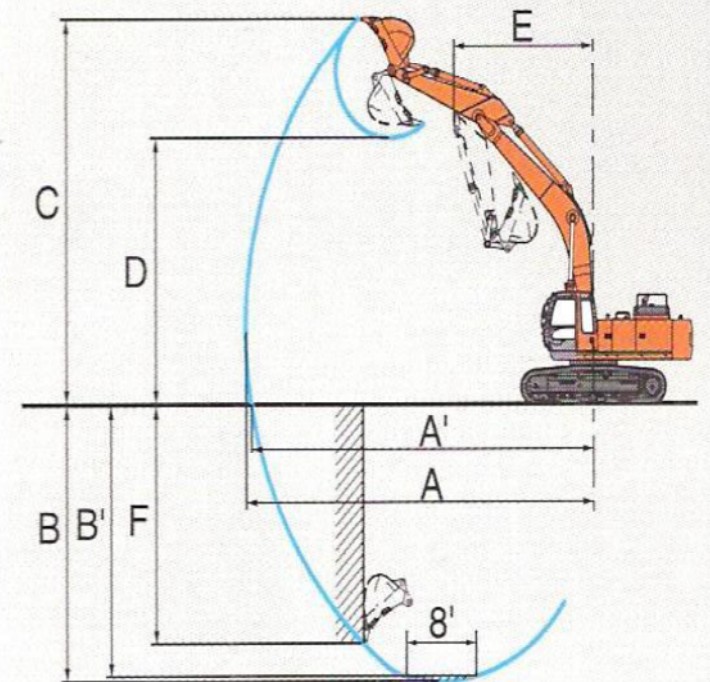
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Working Ranges of ZAXIS-450 LC

Arm length	ZAXIS450LC			
	7.0 M (23'0") boom			
	2.9 m (9'6") arm	3.4 m (11'2") arm	3.9 m (12'10") arm	4.9 m (16'1") arm
A A Max. digging reach	11 420 (37'6")	12 050 (39'6")	12 480 (40'11")	13 380 (43'11")
A' Max digging reach (on ground)	11 190 (36'9")	11 810 (38'9")	12 270 (40'3")	13 380 (43'3")
B Max. digging depth (8' Level)	7 300 (23'11")	7 760 (25'6")	8 260 (27'1")	9 110 (29'11")
B Max. digging depth (8' Level)	7 100 (23'4")	7 620 (25'0")	8 130 (26'8")	9 000 (29'6")
C Max. cutting height	10 270 (33'8")	11 080 (36'4")	11 180 (36'8")	11 850 (38'11")
D Max . Dumping height	7 040 (23'1")	7 660 (25'2")	7 780 (25'6")	8 770 (28'9")
E Min. swing radius	4 920 (16'2")	4 840 (15'11")	4 810 (15'9")	4 820 (15'10")
F Max. vertical wall	4 780 (15'8")	6 660 (21'10")	7 040 (23'1")	8 450 (27'9")
ISO	245	247	247	204
	(25 000, 55 100)	(25 200, 55 500)	(25 200, 55 500)	(20 900, 46 000)
Bucket POWER	257	259	259	214
	BOOST (26 200, 57 700)	(26 400, 58 200)	(26 400, 58 200)	(21 900, 48 200)
digging SAE : PCSA	221	222	222	183
	forse (22 500, 49 600)	(22 700, 50 000)	(22 700, 50 000)	(18 700, 41 200)
POWER	232	233	233	192
	BOOST (23 600, 52 000)	(23 800, 52 400)	(23 800, 52 400)	(19 600, 43 200)
ISO	223	191	172	152
	(22 800, 50 200)	(19 400, 42 700)	(17 600, 38 800)	(15 500, 34 100)
Arm POWER	234	200	181	160
	BOOST (23 900, 52 600)	(20 400, 44 900)	(18 500, 40 700)	(16 300, 35 900)
digging SAE : PCSA	217	185	169	150
	forse (22 100, 48 700)	(18 900, 41 600)	(17 200, 37 900)	(15 200, 33 500)
POWER	228	194	177	157
	BOOST (23 200, 51 100)	(19 800, 43 600)	(18 000, 39 600)	(16 000, 35 200)

■ ZAXIS450LC

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We also have arm of 7.3 and 8.3 meter to extend the reach, that will extend the reach by 4.4 and 5.4 meters respectively to the reach of 2.9 meter arm shown in red.

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TATA -HITACHI HYDRAULIC EXCAVATOR EX-300LC

Digging Forces

	2.10 m arm	2.66 m arm
Digging force due to bucket cylinder	170 kN (17 300 kgf)	169 kN (17 200 kgf)
Digging force due to arm cylinder	196 kN (20 000 kgf)	153 kN (15 600 kgf)

low stress,

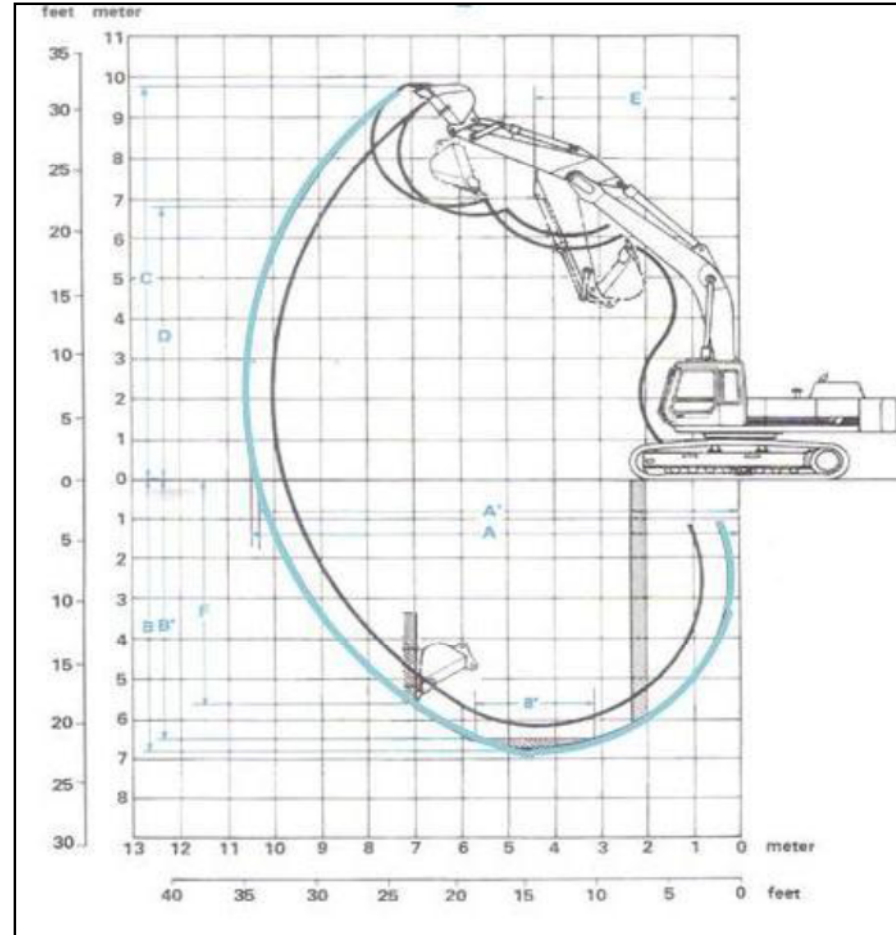
full box section design. Bucket of all -welded high strength steel structure.

Buckets

Capacity (cum)		Width without side cutters (mm)	Weight (kg)
PCSA	CECE		
1.3	1.1	1186	1308
1.5	1.3	1384	1337
1.7	1.5	1540	1150
2.0	1.75	1720	1100

* For selection of boom arm combination and bucket please refer to the manufacture.

A	Min. digging distance	2 600 mm
B	Min. level crowding distance	4 660 mm
C	Level crowding distance	2 960 mm
D	Max. digging reach	7 930 mm
E	Max. cutting height	7 120 mm
F	Max. digging depth	3 200 mm
G	Working radius at max dumping height	5 715 mm



WORKING RANGES

Boom	6.40 m
Arm	2.10 m
	2.66 m

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ZAXIS 450 LC

Buckets

Capacity**	Width		Weight
	Without Side cutters	With Side cutters	
2.07 m3	1 490 mm	1 630 mm	1 550 kg
2.28 m3	1 520 mm	1 660 mm	1 660 kg

Digging Forces

Arm Length	2.9 m	3.4 m
Digging force (bucket cylinder)	206 kN (21 000 kgf)	211 kN (21 500 kgf)
Digging force (arm cylinder)	201 kN (20 500 kgf)	173 kN (17 600 kgf)

Working Ranges

	ARM	2.9 M	3.4 M
A	Max. digging reach	11 350	12 010
A'	Max. digging reach (on ground)	11 130	11 800
B	Max. digging depth	7 340	7 800
B'	Max. digging depth (8' level)	7 120	7 650
C	Max. cutting height	9 950	10 870
D	Max. dumping height	6 820	7 560
E	Max. swing radius	5 060	4 980
F	Max. vertical wall depth	4 970	6 580

