



PV-E CRANE

100 T

FULL ELECTRIC
or
CLEAN DIESEL ENGINE





EC100 / CC100

Max.lift cap.		100
	Main,aux.hoisting rated force(t)	10t
Single line pull	Boom derricking max.force(t)	11,8
	Luffing jib derricking max.force (t)	12
	Main,aux.hoisting rope diameter (mm)	26
	Boom derricking rope diameter (mm)	18
	Luffing jib derricking rope diameter (mm)	20
	Main,aux.hoisting winch speed (m/min)	122
	Boom derricking winch speed (m/min)	59
Speed	Luffing jib derricking winch speed (m/min)	58
	Swing radius (r/min)	3,2
	Travel (km/h)	1,8
Electric Engine	max power	350KW
	Type	DANA TM4
Diesel engine		
	Type	Cummins L9
	Power	261KW
	Emission	CARB Tier 4(f), EU Stage V, JMLIT T4f, KMOE Tier 4, US EPA Tier 4(f)
Main boom		1515.xx max.61m
Fixed jib		0605.xx max.18m
	Max combi	52(1515)+18(0605)
Luffing jib		1212.xx max.42m
Max.combi	Max combi	42.2(1515)+42(1212)
	Weight of machine with basic boom (t)	100
	Ground bearing pressure (kg/cm ²)	1,06
	Track shoe width (mm)	860
	Rear counterweight (t)	32,5
	Carbody counterweight (t)	15
Transport	Transport weight of basic machine (t)	30,8
	Transport demension L×W×H (mm)	11670×3321×3078

LIFT CHART FOR MAIN BOOM (No. 1616.01)

EC100



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32.5 t counterweight and 15 t carbody counterweight

Capacity in metric ton

Boom length(m)	13	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61
3.5	100.0																
4	95.0	84.8/4.4															
4.5	84.8	84.3	76/4.9														
5	76.1	75.8	75.6	71.2/5.4													
5.5	71.7	71.3	71.0	70.6													
6	65.8	65.6	65.0	64.5	58.3	52.6/6.5											
7	52.5	52.5	52.5	52.4	52.4	49.6											
8	43.2	43.2	43.1	43.1	43.0	43.0	42.3	42.2									
9	36.7	36.6	36.6	36.5	36.5	36.4	36.3	36.3	34.5	31.3/9.1	31.2/9.6						
10	31.7	31.7	31.6	31.6	31.4	31.4	31.3	31.2	31.2	31.1	31.1	24.3/10.1	24.2/10.7	23.1/11.2	20.3	15.8/12.2	
12	24.9	24.8	24.8	24.8	24.7	24.6	24.6	24.5	24.3	24.3	24.2	24.1	23.9	22.9	20.3	15.8	15.7
14	23.3/12.6	20.3	20.2	20.2	20.1	20.0	19.9	19.9	19.8	19.7	19.6	19.6	19.4	19.3	19.2	19.1	15.8
16		18.3/15.2	17.1	17.0	16.9	16.8	16.7	16.6	16.5	16.5	16.3	16.3	16.2	16.1	15.9	15.8	15.7
18			14.9/17.8	14.6	14.4	14.4	14.3	14.2	14.1	14.0	13.9	13.9	13.8	13.6	13.5	13.3	13.2
20				12.7	12.6	12.5	12.4	12.3	12.2	12.2	12.0	12.0	11.9	11.7	11.6	11.4	11.3
22				12.4/20.4	11.1	11.0	10.9	10.8	10.7	10.6	10.5	10.4	10.3	10.2	10.1	9.9	9.8
24					10.4/23	9.8	9.7	9.6	9.5	9.4	9.2	9.2	9.1	8.9	8.8	8.7	8.5
26						9/25.6	8.7	8.6	8.4	8.4	8.2	8.2	8.0	7.9	7.8	7.6	7.5
28							7.9	7.7	7.6	7.5	7.4	7.3	7.2	7.0	6.9	6.8	6.6
30							7.7/28.2	7.0	6.9	6.8	6.6	6.6	6.5	6.3	6.1	6.0	5.9
32								6/30.8	6.3	6.2	6.0	5.9	5.8	5.7	5.5	5.3	5.3
34									6/33.4	5.6	5.5	5.4	5.3	5.1	5.0	4.8	4.7
36										5.1	5.0	4.9	4.8	4.6	4.5	4.3	4.2
38											4.5	4.5	4.3	4.2	4.0	3.9	3.7
40												4.4/38.6	4.1	3.9	3.8	3.6	3.5
42													3.8/41.2	3.6	3.4	3.3	3.0
44														3.3/43.8	3.1	3.0	2.8
46															2.9	2.7	2.4
48																2.7/46.4	2.4
50																	2.1
52																2.2/49	1.9
54																	1.7
																	1.4