



PV-E CRANE

300 T

FULL ELECTRIC
or
CLEAN DIESEL ENGINE



		EC300 / CC300
Max.lift cap.		300
	Main,aux.hoisting rated force(t)	15t
Single line pull	Boom derricking max.force(t)	16×2 (double reducers)
	Luffing jib derricking max.force (t)	17
	Main,aux.hoisting rope diameter (mm)	28
	Boom derricking rope diameter (mm)	26
	Luffing jib derricking rope diameter (mm)	22
	Main,aux.hoisting winch speed (m/min)	128
	Boom derricking winch speed (m/min)	31×2 (double reducers)
Speed	Luffing jib derricking winch speed (m/min)	42
	Swing radius (r/min)	1,5
	Travel (km/h)	1,3
Electric Engine	max power	450KW
	Type	DANA TM4
Diesel engine	Type	Cummins X12
	Power	336KW
	Emission	CARB Tier 4(f), EU Stage V, US EPA Tier 4(f)
		2722.xx max.92m
Main boom		1210.xx max.36m
Fixed jib		76(2722)+36(1210)
	Max combi	2418.xx max.72m
Luffing jib		59(2722)+72(2418)
Max.combi	Max combi	296
	Weight of machine with basic boom (t)	1,5
	Ground bearing pressure (kg/cm ²)	1200
	Track shoe width (mm)	129
	Rear counterweight (t)	40
	Carbody counterweight (t)	45
	Transport weight of basic machine (t)	13674×3000×3300
	Transport demension L×W×H (mm)	

LIFT CHART FOR MAIN BOOM (No 2823.01)
129 t counterweight and 40 t carbody counterweight

PV-E EC300



Radius (m)	Boom Length in (m)																													
	18	21	24	27	29.6	32.6	35.6	38.6	41.2	44.2	47.2	50.2	52.8	55.8	58.8	61.8	64.4	67A	70.4	73.4	76	79	82	85	87.6	90.6				
5	300.0																													
5.5	285.0	264.0																												
6	265.5	258.5	252.0																											
7	229.5	225.1	223.3	221.5	217.0	213.6																								
8	196.3	196.1	194.6	192.3	189.7	185.0	180.8	176.7	173.8																					
9	167.0	167.2	167.5	167.6	167.7	167.5	164.5	160.8	158.1	154.9	152.2	149.0																		
10	152.7	151.2	149.7	148.2	146.7	145.2	143.7	142.2	140.7	139.2	136.6	133.7	132.0	129.3	116.6															
12	132.7	132.5	132.3	130.1	127.9	125.7	123.5	121.3	119.1	116.9	114.7	112.5	110.3	108.1	105.9	103.7	101.5	99.3	97.1	94.9										
14	109.9	110.1	110.2	110.2	109.1	108.0	106.9	105.8	104.7	103.6	102.5	101.4	100.3	98.1	96.2	93.9	90.7	88.4	86.1	83.8	83.0	80.7	75.9	71.6	67.9	64.3				
16	90.9	91.6	91.7	91.6	90.7	89.8	88.9	87.8	86.9	86.0	85.1	84.2	83.1	82.2	81.3	80.4	79.5	78.6	76.2	73.8	72.9	70.9	69.3	65.5	61.6	58.4				
18		78.1	78.2	78.1	78.3	78.1	77.9	77.7	77.7	77.5	77.4	77.1	77.1	76.8	76.7	76.4	76.2	76.1	75.8	73.2	71.2	66.3	62.5	59.0	55.4	52.3				
20		71.2	71.3	71.2	71.3	71.1	71.0	70.8	70.7	70.5	70.4	70.0	69.5	68.7	68.5	67.5	65.4	64.5	63.6	58.6	61.3	57.3	55.8	54.3	52.6	49.7				
22			59.8	59.7	59.8	59.6	59.5	59.2	59.2	59.0	58.8	58.5	58.5	58.2	58.1	57.7	57.5	57.4	57.1	56.8	56.6	55.0	51.7	48.5	45.5	42.9				
24				53.2	53.3	53.1	52.9	52.7	52.6	52.4	52.3	51.9	51.9	51.6	51.4	51.1	50.9	50.8	50.5	50.2	50.0	49.9	47.5	44.5	41.7	39.1				
26					47.9	47.7	47.5	47.2	47.2	47.0	46.8	46.5	46.4	46.1	46.0	45.6	45.4	45.3	45.0	44.7	44.5	44.4	43.8	41.0	38.3	35.9				
28						43.2	43.0	42.7	42.7	42.5	42.3	41.9	41.9	41.6	41.4	41.1	40.9	40.7	40.4	40.1	39.9	39.8	39.5	38.0	35.4	33.1				
32						39.3	39.1	38.9	38.8	38.6	38.4	38.1	38.0	37.7	37.5	37.2	37.0	36.8	36.5	36.2	36.0	35.9	35.6	35.2	32.9	30.6				
34							35.9	35.6	35.5	35.3	34.7	34.7	34.3	34.2	33.8	33.6	33.5	33.2	32.8	32.6	32.5	32.2	31.9	30.6	28.4					
36								32.7	32.6	32.4	32.2	31.8	31.8	31.4	31.3	30.9	30.7	30.6	30.3	29.9	29.7	29.6	29.3	28.9	28.6	26.5				
38									30.1	29.9	29.7	29.3	29.2	28.9	28.7	28.4	28.2	28.0	27.7	27.3	27.1	27.0	26.7	26.3	26.4	24.7				
40										27.6	27.4	27.0	27.0	26.6	26.5	26.1	25.9	25.7	25.4	25.1	24.8	24.7	24.4	24.0	24.0	23.1				
42										25.6	25.4	25.1	25.0	24.6	24.5	24.1	23.9	23.7	23.4	23.0	22.8	22.7	22.4	22.0	22.0	21.6				
44											23.6	23.2	22.8	22.6	22.3	22.1	21.9	21.6	21.2	21.0	20.8	20.5	20.2	20.2	19.8					
46												21.7	21.6	21.2	21.0	20.7	20.5	20.2	19.9	19.6	19.4	19.2	18.9	18.5	18.5	18.2				
48													20.1	19.7	19.5	19.2	19.0	18.7	18.4	18.1	17.9	17.7	17.4	17.0	17.0	16.7				
50														18.5	18.2	17.9	17.7	17.4	17.1	16.8	16.6	16.4	16.1	15.7	15.7	15.4				
52															17.2	17.0	16.6	16.4	16.2	15.9	15.5	15.3	15.1	14.8	14.4	14.4	14.1			
54																15.9	15.5	15.3	15.1	14.7	14.4	14.2	14.0	13.7	13.3	12.9				
56																	14.5	14.3	14.0	13.7	13.4	13.1	12.9	12.6	12.3	12.2	11.9			
58																		13.3	13.1	12.8	12.4	12.2	12.0	11.7	11.3	11.3	10.9			
60																			12.2	11.9	11.5	11.3	11.1	10.8	10.4	10.4	10.0			
62																				11.4	11.1	10.7	10.5	10.2	9.9	9.6	9.5	9.2		
64																					10.3	9.7	9.5	9.2	8.8	8.8	8.4			
66																						9.3	9.0	8.8	8.5	8.1	8.1	7.7		
68																								8.3	8.1	7.8	7.4	7.4	7.0	
																									7.4	7.4	7.2	6.8		