



PV-E CRANE

160 T

FULL ELECTRIC
or
CLEAN DIESEL ENGINE



**EC160 / CC160**

Max.lift cap.	160
Single line pull	Main,aux.hoisting rated force(t) 12.5t Boom derricking max.force(t) 18 Luffing jib derricking max.force (t) 12 Main,aux.hoisting rope diameter (mm) 26 Boom derricking rope diameter (mm) 22 Luffing jib derricking rope diameter (mm) 20 Main,aux.hoisting winch speed (m/min) 122 Boom derricking winch speed (m/min) 55 Luffing jib derricking winch speed (m/min) 58 Swing radius (r/min) 3 Travel (km/h) 1,5
Speed	
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) 1717.xx max.75m 0908.xx max.31m 63(1717)+31(0908) 1212.xx max.52m 48.5(1717)+52(1212)
Main boom	
Fixed jib	
Luffing jib	
Max.combi	
Weight of machine with basic boom (t)	165
Ground bearing pressure (kg/cm²)	1,21
Track shoe width (mm)	1100
Rear counterweight (t)	64,5
Carbody counterweight (t)	20
Transport	Transport weight of basic machine (t) 37 Transport demension LxWxH (mm) 13675x3495x3294

type	main boom																			
boom [m]	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75
reeving	15*	14*	12	12	10	9	8	8	7	6	6	6	5	4	4	4	3	3	3	3
Radius [m]	160°	151°	137°	126°	111°	99.2°	8.1/88.4	8.6/81.0	9.1/74.2	9.6/68.2	10.1/63.0	10.7/58.2	11.2/53.4	11.7/48.9	12.2/44.2	12.7/39.4	13.2/34.6	13.7/29.8	14.2/25.0	14.7/20.2
4.9	160°																			
5.0	157°																			
5.5	150°	151°																		
6.0	138°	137°	137°																	
6.5	128°	127°	127°	126°																
7.0	119°	118°	118°	115°	111°															
7.5	111°	111°	110°	107°	103°	99.2°														
8.0	104°	104°	102°	98.9°	95.8°	92.9°	8.1/88.4	8.6/81.0	9.1/74.2	9.6/68.2										
8.5	91.9°	91.4°	89.7°	86.4°	83.9°	81.6°	77.0°													
9.0	81.5°	81.1°	79.6°	76.6°	74.6°	72.7°	70.8°	68.8°	67.2°	65.5°	63.9°	62.3°	60.7°	59.1°	57.5°	55.9°	54.3°	52.7°	51.1°	49.5°
9.5	71.2°	70.9°	70.7°	68.7°	67.0°	65.4°	63.8°	62.1°	60.7°	59.3°	57.9°	56.5°	55.1°	53.7°	52.3°	50.9°	49.5°	48.1°	46.7°	45.3°
10.0	65.1°	62.9°	62.7°	62.2°	60.8°	59.4°	58.0°	56.5°	55.3°	54.0°	52.8°	51.8°	50.8°	49.8°	48.8°	47.8°	46.8°	45.8°	44.8°	43.8°
10.5	56.6°	56.4°	56.2°	55.9°	55.5°	54.3°	53.1°	51.7°	50.7°	49.6°	48.5°	47.6°	46.5°	45.5°	44.5°	43.5°	42.5°	41.5°	40.5°	39.5°
11.0	51.3°	51.0°	50.9°	50.6°	50.4°	50.0°	49.9°	49.6°	49.3°	49.0°	48.7°	48.4°	48.1°	47.8°	47.5°	47.2°	46.9°	46.6°	46.3°	46.0°
11.5	46.8°	46.5°	46.4°	46.1°	45.9°	45.6°	45.3°	45.1°	44.8°	44.5°	44.2°	43.9°	43.6°	43.3°	43.0°	42.7°	42.4°	42.1°	41.8°	41.5°
12.0	43.0°	42.7°	42.6°	42.2°	42.1°	42.0°	41.7°	41.4°	41.1°	40.8°	40.5°	40.2°	39.9°	39.6°	39.3°	39.0°	38.7°	38.4°	38.1°	37.8°
12.5	39.2°	38.9°	38.8°	38.4°	38.1°	37.8°	37.5°	37.2°	36.9°	36.6°	36.3°	36.0°	35.7°	35.4°	35.1°	34.8°	34.5°	34.2°	33.9°	33.6°
13.0	35.4°	35.1°	35.0°	34.6°	34.3°	34.0°	33.7°	33.4°	33.1°	32.8°	32.5°	32.2°	31.9°	31.6°	31.3°	31.0°	30.7°	30.4°	30.1°	29.8°
13.5	31.6°	31.3°	31.2°	30.8°	30.5°	30.2°	29.9°	29.6°	29.3°	29.0°	28.7°	28.4°	28.1°	27.8°	27.5°	27.2°	26.9°	26.6°	26.3°	26.0°
14.0	27.8°	27.5°	27.4°	27.0°	26.7°	26.4°	26.1°	25.8°	25.5°	25.2°	24.9°	24.6°	24.3°	24.0°	23.7°	23.4°	23.1°	22.8°	22.5°	22.2°
14.5	24.0°	23.7°	23.6°	23.2°	22.9°	22.6°	22.3°	22.0°	21.7°	21.4°	21.1°	20.8°	20.5°	20.2°	19.9°	19.6°	19.3°	19.0°	18.7°	18.4°
15.0	20.2°	19.9°	19.8°	19.4°	19.1°	18.8°	18.5°	18.2°	17.9°	17.6°	17.3°	17.0°	16.7°	16.4°	16.1°	15.8°	15.5°	15.2°	14.9°	14.6°
15.5	16.4°	16.1°	16.0°	15.6°	15.3°	15.0°	14.7°	14.4°	14.1°	13.8°	13.5°	13.2°	12.9°	12.6°	12.3°	12.0°	11.7°	11.4°	11.1°	10.8°
16.0	12.6°	12.3°	12.2°	11.8°	11.5°	11.2°	10.9°	10.6°	10.3°	10.0°	9.7°	9.4°	9.1°	8.8°	8.5°	8.2°	7.9°	7.6°	7.3°	7.0°
16.5	8.8°	8.5°	8.4°	8.0°	7.7°	7.4°	7.1°	6.8°	6.5°	6.2°	5.9°	5.6°	5.3°	5.0°	4.7°	4.4°	4.1°	3.8°	3.5°	3.2°
17.0	5.0°	4.7°	4.6°	4.2°	3.9°	3.6°	3.3°	3.0°	2.7°	2.4°	2.1°	1.8°	1.5°	1.2°	0.9°	0.6°	0.3°	0.0°	-0.3°	-0.6°
17.5	1.2°	0.9°	0.8°	0.4°	0.1°	-0.2°	-0.5°	-0.8°	-1.1°	-1.4°	-1.7°	-2.0°	-2.3°	-2.6°	-2.9°	-3.2°	-3.5°	-3.8°	-4.1°	-4.4°
18.0	-2.6°	-2.3°	-2.2°	-1.8°	-1.5°	-1.2°	-0.9°	-0.6°	-0.3°	-0.0°	-0.3°	-0.6°	-0.9°	-1.2°	-1.5°	-1.8°	-2.1°	-2.4°	-2.7°	-3.0°
18.5	-6.8°	-6.5°	-6.4°	-6.0°	-5.7°	-5.4°	-5.1°	-4.8°	-4.5°	-4.2°	-3.9°	-3.6°	-3.3°	-3.0°	-2.7°	-2.4°	-2.1°	-1.8°	-1.5°	-1.2°
19.0	-11.0°	-10.7°	-10.6°	-10.2°	-9.9°	-9.6°	-9.3°	-9.0°	-8.7°	-8.4°	-8.1°	-7.8°	-7.5°	-7.2°	-6.9°	-6.6°	-6.3°	-6.0°	-5.7°	-5.4°
19.5	-15.2°	-14.9°	-14.8°	-14.4°	-14.1°	-13.8°	-13.5°	-13.2°	-12.9°	-12.6°	-12.3°	-12.0°	-11.7°	-11.4°	-11.1°	-10.8°	-10.5°	-10.2°	-9.9°	-9.6°
20.0	-19.4°	-19.1°	-19.0°	-18.6°	-18.3°	-18.0°	-17.7°	-17.4°	-17.1°	-16.8°	-16.5°	-16.2°	-15.9°	-15.6°	-15.3°	-15.0°	-14.7°	-14.4°	-14.1°	-13.8°
20.5	-23.6°	-23.3°	-23.2°	-22.8°	-22.5°	-22.2°	-21.9°	-21.6°	-21.3°	-21.0°	-20.7°	-20.4°	-20.1°	-19.8°	-19.5°	-19.2°	-18.9°	-18.6°	-18.3°	-18.0°
21.0	-27.8°	-27.5°	-27.4°	-27.0°	-26.7°	-26.4°	-26.1°	-25.8°	-25.5°	-25.2°	-24.9°	-24.6°	-24.3°	-24.0°	-23.7°	-23.4°	-23.1°	-22.8°	-22.5°	-22.2°
21.5	-32.0°	-31.7°	-31.6°	-31.2°	-30.9°	-30.6°	-30.3°	-30.0°	-29.7°	-29.4°	-29.1°	-28.8°	-28.5°	-28.2°	-27.9°	-27.6°	-27.3°	-27.0°	-26.7°	-26.4°
22.0	-36.2°	-35.9°	-35.8°	-35.4°	-35.1°	-34.8°	-34.5°	-34.2°	-33.9°	-33.6°	-33.3°	-33.0°	-32.7°	-32.4°	-32.1°	-31.8°	-31.5°	-31.2°	-30.9°	-30.6°
22.5	-40.4°	-40.1°	-40.0°	-39.6°	-39.3°	-39.0°	-38.7°	-38.4°	-38.1°	-37.8°	-37.5°	-37.2°	-36.9°	-36.6°	-36.3°	-36.0°	-35.7°	-35.4°	-35.1°	-34.8°
23.0	-44.6°	-44.3°	-44.2°	-43.8°	-43.5°	-43.2°	-42.9°	-42.6°	-42.3°	-42.0°	-41.7°	-41.4°	-41.1°	-40.8°	-40.5°	-40.2°	-39.9°	-39.6°	-39.3°	-39.0°
23.5	-48.8°	-48.5°	-48.4°	-48.0°	-47.7°	-47.4°	-47.1°	-46.8°	-46.5°	-46.2°	-45.9°	-45.6°	-45.3°	-45.0°	-44.7°	-44.4°	-44.1°	-43.8°	-43.5°	-43.2°
24.0	-53.0°	-52.7°	-52.6°	-52.2°	-51.9°	-51.6°	-51.3°	-51.0°	-50.7°	-50.4°	-50.1°	-49.8°	-49.5°	-49.2°	-48.9°	-48.6°	-48.3°	-48.0°	-47.7°	-47.4°
24.5	-57.2°	-56.9°	-56.8°	-56.4°	-56.1°	-55.8°	-55.5°	-55.2°	-54.9°	-54.6°	-54.3°	-54.0°	-53.7°	-53.4°	-53.1°	-52.8°	-52.5°	-52.2°	-51.9°	-51.6°
25.0	-61.4°	-61.1°	-61.0°	-60.6°	-60.3°	-60.0°	-59.7°	-59.4°	-59.1°	-58.8°	-58.5°	-58.2°	-57.9°	-57.6°	-57.3°	-57.0°	-56.7°	-56.4°	-56.1°	-55.8°
25.5	-65.6°	-65.3°	-65.2°	-64.8°	-64.5°	-64.2°	-63.9°	-63.6°	-63.3°	-63.0°	-62.7°	-62.4°	-62.1°	-61.8°	-61.5°	-61.2°	-60.9°	-60.6°	-60.3°	-60.0°
26.0	-69.8°	-69.5°	-69.4°	-69.0°	-68.7°	-68.4°	-68.1°	-67.8°	-67.5°	-67.2°	-66.9°	-66.6°	-66.3°	-66.0°	-65.7°	-65.4°	-65.1°	-64.8°	-64.5°	-64.2°
26.5	-74.0°	-73.7°	-73.6°	-73.2°	-72.9°	-72.6°	-72.3°	-72.0°	-71.7°	-71.4°	-71.1°	-70.8°	-70.5°	-70.2°	-69.9°	-69.6°	-69.3°	-69.0°	-68.7°	-68.4°
27.0	-78.2°	-77.9°	-77.8°	-77.4°	-77.1°	-76.8°	-76.5°	-76.2°	-75.9°	-75.6°	-75.3°	-75.0°	-74.7°	-74.4°	-74.1°	-73.8°	-73.5°	-73.2°	-72.9°	-72.6°
27.5	-82.4°	-82.1°	-82.0°	-81.6°	-81.3°	-81.0°	-80.7°	-80.4°	-80.1°	-79.8°	-79.5°	-79.2°	-78.9°	-78.6°	-78.3°	-78.0°	-77.7°	-77.4°	-77.1°	-76.8°
28.0	-86.6°	-86.3°	-86.2°	-85.8°	-85.5°	-85.2°	-84.9°	-84.6°	-84.3°	-84.0°	-83.7°	-83.4°	-83.1°	-82.8°	-82.5°	-82.2°	-81.9°	-81.6°	-81.3°	-81.0°
28.5	-90.8°	-90.5°	-90.4°	-90.0°	-89.7°	-89.4°	-89.1°	-88.8°	-88.5°	-88.2°	-87.9°	-87.6°	-87.3°	-87.0°	-86.7°	-86.4°	-86.1°	-85.8°	-85.5°	-85.2°
29.0	-95.0°	-94.7°	-94.6°	-94.2°	-93.9°	-93.6°	-93.3°	-93.0°	-92.7°	-92.4°	-92.1°	-91.8°	-91.5°	-91.2°	-90.9°	-90.6°	-90.3°	-90.0°	-89.7°	-89.4°
29.5	-99.2°	-98.9°	-98.8°	-98.4°	-98.1°	-97.8°	-97.5°	-97.2°	-96.9°	-96.6°	-96.3°	-96.0°	-95.7°	-95.4°	-95.1°	-94.8°	-94.5°	-94.2°	-93.9°	-93.6°
30.0	-103.4°	-103.1°	-103.0°	-102.6°	-102.3°	-102.0°	-101.7°	-101.4°	-101.1°	-100.8°	-100.5°	-100.2°	-99.9°	-99.6°	-99.3°	-99.0°	-98.7°	-98.4°	-98.1°	-97.8°
30.5	-107.6°	-107.3°	-107.2°	-106.8°	-106.5°	-106.2°	-105.9°	-105.6°	-105.3°	-105.0°	-104.7°	-104.4°	-104.1°	-103.8°	-103.5°	-103.2°	-102.9°	-102.6°	-102.3°	-102.0°
31.0	-111.8°	-111.5°	-111.4°	-111.0°	-110.7°	-110.4°	-110.1°	-109.8°	-109.5°	-109.2°	-108.9°	-108.6°	-108.3°	-108.0°	-107.7°	-107.4°	-107.1°	-106.8°	-106.5°	-106.2°
31.5	-116.0°	-115.7°	-115.6°	-115.2°	-114.9°	-114.6°	-114.3°	-114.0°	-113.7°	-113.4°	-113.1°	-112.8°	-112.5°	-112.2°	-111.9°	-111.6°	-111.3°	-111.0°	-110.7°	-110.4