

VIT Crane Specifications & Berth & Channel Conditions

 North NIT Ship Clearance (317K PDF Document)

VIT Crane Specifications

Norfolk International Terminals

Crane Number	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 14	# 15
In Service Date	2003	2003	2003	2003	2005	2005	2004	2004	2000	2000	2000	2008	2008	2008
Manufacturer	ZPMC	ZPMC	ZPMC	ZPMC	ZPMC	ZPMC	ZPMC	ZPMC	ZPMC	ZPMC	ZPMC	ZPMC	ZPMC	ZPMC
Capacity Long Tons	Cont Bar	65	65	65	65	65	65	65	50	50	50	50/65	50/65	50/65
	H/L Bar	80	80	80	80	80	80	80	60	60	60	80	80	80
Length of Boom "A" (ft)	231.56	230.87	232	232.14	231.13	232.22	231.25	231.22	201.36	201.12	201.12	201.04	201.02	201.05
Fender - Distance from offshore gantry rail to offshore edge of fender system (ft)	20	20	20	20	20	20	20	20	11.9	11.9	11.9	11.9	11.9	11.9
Distance from Trolley to Hard Offshore Stop (ft)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Height of Water to Dock (MLW) (ft)	9.07	9.07	9.07	9.07	9.07	9.07	9.07	9.07	10.04	10.04	10.04	10.04	10.04	10.04
Height of Water to Dock (MHW) (ft)	6.37	6.37	6.37	6.37	6.37	6.37	6.37	6.37	7.34	7.34	7.34	7.34	7.34	7.34
Height of Spreader to Dock "B" (ft)	128.16	126.45	125.79	128.14	129.24	129.1	128.22	130.51	122	121.95	121.53	117.7	117.79	117.79
Height of Spreader to Water (MHW) (ft)	134.53	132.82	132.16	134.51	135.61	135.47	134.59	136.88	129.34	129.29	128.87	125.04	125.13	125.13
Distance from Spreader to Hard Up-stop (ft)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Height Boom to Dock "C" (ft)	154.68	154.8	154.72	154.77	154.75	154.74	154.72	154.75	137.58	137.62	167.61	137.71	137.75	137.65
Height Boom to Water (MHW) (ft)	161.05	161.17	161.09	161.14	161.12	161.11	161.09	161.12	144.92	144.96	144.95	145.05	145.09	144.99
Height under Beam "D" (ft)	55.87	55.9	55.83	55.88	55.88	55.84	55.86	55.89	55.29	55.31	55.28	56.06	56.09	56.05
Overall Length (ft)	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.58	88.58	88.58	88.6	88.58	88.58
Width between Legs (ft)	60	60	60	60	60	60	60	60	60.25	60.25	60.25	60	60	60
Rail Gauge (ft)	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Back Reach Distance (ft)	74.34	74.15	73.86	73.95	74.93	76.58	73.86	73.43	75.53	74.98	74.75	75.49	75.01	75.92
Container Count Across Vessel	25.4	25.3	25.5	25.5	25.3	25.5	25.4	25.4	22.7	22.7	22.7	22.7	22.7	22.7

VIT @ APM

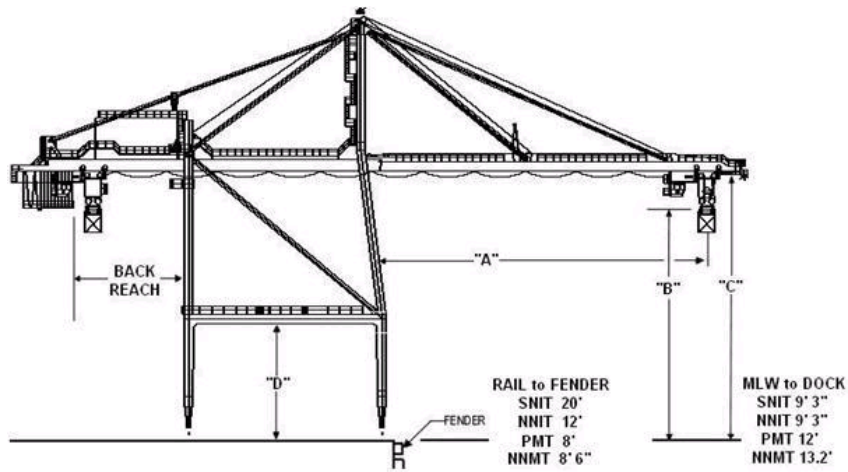
Crane Number	# 1	# 2	# 3	# 4	# 5	# 6
In Service Date	2007	2007	2007	2007	2007	2007
Manufacturer	ZPMC	ZPMC	ZPMC	ZPMC	ZPMC	ZPMC
Capacity Long Tons	Cont Bar	65	65	65	65	65
	H/L Bar	100	100	100	100	100
Length of Boom "A" (ft)	227.53	227.53	227.53	227.53	227.53	227.53
Fender - Distance from offshore gantry rail to offshore edge of fender system (ft)	17.23	17.23	17.23	17.23	17.23	17.23
Height of Water to Dock (MLW) (ft)	13.97	13.97	13.97	13.97	13.97	13.97
Height of Water to Dock (MHW) (ft)	10.27	10.27	10.27	10.27	10.27	10.27
Height of Spreader to Dock "B" (ft)	134.51	134.51	134.51	134.51	134.51	134.51
Height of Spreader to Water (MHW) (ft)	144.78	144.78	144.78	144.78	144.78	144.78
Height Boom to Dock "C" (ft)	154.68	154.8	154.72	154.77	154.75	154.74
Height Boom to Water (MHW) (ft)	164.63	164.63	164.63	164.63	164.63	164.63
Height under Beam "D" (ft)	55.77	55.77	55.77	55.77	55.77	55.77
Overall Length (ft)	88.58	88.58	88.58	88.58	88.58	88.58
Width between Legs (ft)	59.12	59.12	59.12	59.12	59.12	59.12
Rail Gauge (ft)	100	100	100	100	100	100
Back Reach Distance (ft)	82.02	82.02	82.02	82.02	82.02	82.02
Container Count Across Vessel	22	22	22	22	22	22

Portsmouth Marine Terminal

Crane Number	# 1	# 2	# 3	# 4	# 5	# 6	# 5a	# 6a	# 7a
In Service Date	1991	1997	2004	2004	2005	1987			
Manufacturer	CEMCO	Deer Park	ZPMC	ZPMC	ZPMC	Kone	Kone	Kone	
Capacity Long Tons	Cont Bar	40	40	40	40	40	40	40	40
	H/L Bar	48	50	50	50	48	48	48	48
Length of Boom "A" (ft)	139.73	139.77	155.53	157.93	157.05	127.54	150.66	151.18	150.95
Fender - Distance from offshore gantry rail to offshore edge of fender system (ft)	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
Distance from Trolley to Hard Offshore Stop (ft)	0	0	0	0	0	0	0	0	0
Height of Water to Dock (MLW) (ft)	12	12	12	12	12	12	12	12	12
Height of Water to Dock (MHW) (ft)	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
Height of Spreader to Dock "B" (ft)	112.86	95.39	100.84	100.33	100.33	89.28	114	114.28	113.32
Height of Spreader to Water (MHW) (ft)	122.16	104.69	110.14	109.63	109.63	98.58	123.3	123.58	122.62
Distance from Spreader to Hard Up-stop (ft)	0	0	0	0	0	0	0	0	0
Height Boom to Dock "C" (ft)	128.22	112.98	118.02	118	118.04	112.31	136.73	136.75	136.79
Height Boom to Water (MHW) (ft)	137.52	122.28	127.32	127.3	127.34	121.61	146.03	146.05	146.09
Height under Beam "D" (ft)	51.86	44.63	44.39	44.39	44.36	41.09	44.26	44.24	44.27
Overall Length (ft)	97	89	92	92	92	88.75	90	90	90
Width between Legs (ft)	56	61	57	57	57	58.25	66	66	66
Rail Gauge (ft)	50	50	50	50	50	50	50	50	50
Back Reach Distance (ft)	72.62	50.01	49.67	49.74	50352	69.8	63.7	64.28	63.11
Container Count Across Vessel	15.8	15.8	17.7	18	17.9	14.3	17.1	17.1	17.1

Newport News Marine Terminal

Crane Number	# 2	
In Service Date	1982	
Manufacturer	CMI	
Capacity Long Tons	Cont Bar	50
	H/L Bar	179
Length of Boom "A" (ft)	114.15	
Fender - Distance from offshore gantry rail to offshore edge of fender system (ft)	8.5	
Distance from Trolley to Hard Offshore Stop (ft)	0	
Height of Water to Dock (MLW) (ft)	13	
Height of Water to Dock (MHW) (ft)	10.3	
Height of Spreader to Dock "B" (ft)	83.72	
Height of Spreader to Water (MHW) (ft)	94.02	
Distance from Spreader to Hard Up-stop (ft)	2.22	
Height Boom to Dock "C" (ft)	99.6	
Height Boom to Water (MHW) (ft)	109.9	
Height under Beam "D" (ft)	35.15	
Overall Length (ft)	123	
Width between Legs (ft)	54.75	
Rail Gauge (ft)	50	
Back Reach Distance (ft)	54.3	
Container Count Across Vessel	12.7	



Berth & Channel Conditions

Berth	Published Depth (MLW)	Last Survey Date
Norfolk International Terminal		
So. Entrance Channel	49'	Between 12/06 and 4/07
So. Container Wharf	49'	Between 12/06 and 4/07
Pier 1 - South	28'	Between 12/06 and 4/07
Pier 1 - North	30'	Between 12/06 and 4/07
Pier 2 - South	30'	Between 12/06 and 4/07
Pier 2 - North	33'	Between 12/06 and 4/07
Center Entrance Channel	33'	Between 12/06 and 4/07
North Berth (RO/RO)	33'	Between 12/06 and 4/07
North Container Wharf	48'	Between 12/06 and 4/07
North Entrance Channel	48'	Between 12/06 and 4/07
Pier 3 - South	30'	Between 12/06 and 4/07
Pier 3 - North	34'	Between 12/06 and 4/07
Portsmouth Marine Terminal		
Entrance Channel	43'	Between 12/06 and 4/07
Container Wharf	43'	Between 12/06 and 4/07
Newport News Marine Terminal		
Pier C - South	40'	Between 12/06 and 4/07
Pier C - North	40'	Between 12/06 and 4/07
Pier B - South	37'	Between 12/06 and 4/07
Pier B - North	36'	Between 12/06 and 4/07

VIT @ APMT	
Approach Channel Length	4500'
Approach Channel Width	600'
Approach Channel Depth	50' (Survey 6/08)
Alongside Berth Depth	50' (Survey 6/08)
Max Vessel Size	Unrestricted
Berth Length	3225' (including 125' mooring dolphin)
Distance between Bollards	75'
Distance between Fenders	50' OC
Height of Berth above MLW	14'
Certified Bollard Capacity	300t @ degrees
Distance of Bollard to Berth Edge	3'