

## Norfolk International Terminals (NIT)

Crane Specifications	NIT South												NIT North					
	Berth 1				Berth 2				Berth 3		Berth 4		Berth 1			Berth 2		
Crane Specifications	#8	#7	#6	#5	#18	#17	#16	#15	#4	#3	#2	#1	#9	#10	#11	#12	#13	#14
In Service Date	2004	2004	2005	2005	2022	2022	2020	2020	2003	2003	2003	2003	2000	2000	2000	2008	2008	2008
Manufacturer	ZPMC	ZPMC	ZPMC	ZPMC	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	65	65	65	65	50	50	50	50/65	50/65	50/65
	H/L Bar	80	80	80	80	100	100	100	100	80	80	80	80	60	60	60	80	80
Length of Boom "A" (ft)	231	231	232	231	226.4	226.4	226.4	226.4	232	232	231	232	201	201	201	201	201	201
Fender - Distance from offshore gantry rail to offshore edge of fender system (ft)	20	20	20	20	20	20	20	20	20	20	20	20	13	13	13	13	13	13
Distance from Trolley to Hard Offshore Stop (ft)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Height of Water to Dock (MLW) (ft)	[Calcd From "W" NAVD88 Survey Meas.]	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9
Height of Water to Dock (MHW) (ft)	[2.43 ft above MLW]	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7
Height of Spreader to Dock "B" (ft)	131	128	129	129	171	171	171	171	128	126	126	128	122	122	122	116	116	116
Height of Spreader to Dock "B" (m)	39.78	39.08	39.35	39.39	52.00	52.00	52.00	52.00	39.06	38.34	38.54	39.06	37.19	37.19	37.19	35.30	35.30	35.30
Height of Spreader to Water (MHW) (ft)	136	134	135	135	176	176	176	176	134	131	132	134	129	129	129	122	122	122
Height Boom to Dock "C"	155	155	155	155	182	182	182	182	155	155	155	155	138	138	138	138	138	138
Height Boom to Water (MHW) (ft)	160	160	160	160	188	188	188	188	160	160	160	160	144	144	144	144	144	144
Height under Beam "D" (ft)	[Value "C" on survey]	56	56	56	56	56	56	56	56	56	56	56	55	55	55	56	56	56
Overall Length (ft)	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
Width between Legs (ft)	60	60	60	60	59	59	59	59	60	60	60	60	60	60	60	60	60	60
Rail Gauge (ft)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Back Reach Distance (ft)	73	74	77	75	82	82	82	82	74	74	74	74	76	75	75	76	76	76
Container Count Across Vessel	25	25	25	25	24	24	24	24	25	25	25	25	22	22	22	22	22	22

## Virginia International Gateway (VIG)

Crane Specifications	Berth 1				Berth 2				Berth 3		Berth 4	
	#1	#2	#3	#4	#9	#10	#11	#12	#5	#6	#7	#8
In Service Date	2007	2007	2007	2007	2019	2019	2019	2019	2007	2007	2011	2011
Manufacturer	ZPMC	ZPMC	ZPMC	ZPMC	ZPMC	ZPMC	ZPMC	ZPMC	ZPMC		ZPMC	ZPMC
Capacity Long Tons	Cont Bar	65	65	65	65	65	65	65	65	65	65	65
	H/L Bar	100	100	100	100	100	100	100	100	100	100	100
Length of Boom "A" (ft)	205	205	205	205	226	226	226	226	205	205	213	213
Fender - Distance from offshore gantry rail to offshore edge of fender system (ft)	17	17	17	17	17	17	17	17	17	17	17	17
Effective Boom Distance (ft)	187.82	187.82	187.82	187.82	209.15	209.15	209.15	209.15	187.82	187.82	196.02	196.02
Effective Boom Distance (m)	57.25	57.25	57.25	57.25	63.75	63.75	63.75	63.75	57.25	57.25	59.75	59.75
Height of Water to Dock (MLW) (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Height of Water to Dock (MHW) (ft)	[2.43 ft above MLW]	9	9	9	9	9	9	9	9	9	9	9
Height of Spreader to Dock "B" (ft)	135	135	135	135	171	171	171	171	134.51	134.51	132.55	132.55
Height of Spreader to Dock "B" (m)	41.00	41.00	41.00	41.00	52.00	52.00	52.00	52.00	41.00	41.00	40.40	40.40
Height of Spreader to Water (MHW) (ft)	144	144	144	144	180	180	180	180	144	144	142	142
Height Boom to Dock "C"	[Scaled for Cranes #7 & #8]	160	160	160	160	182	182	182	160	160	154	154
Height Boom to Water (MHW) (ft)	169	169	169	169	191	191	191	191	169	169	163	163
Height under Beam "D" (ft)	56	56	56	56	56	56	56	56	56	56	56	56
Overall Length (ft)	89	89	89	89	89	89	89	89	89	89	89	89
Width between Legs (ft)	59	59	59	59	59	59	59	59	59	59	59	59
Rail Gauge (ft)	100	100	100	100	100	100	100	100	100	100	100	100
Back Reach Distance (ft)	82	82	82	82	82	82	82	82	82	82	82	82
Container Count Across Vessel	22	22	22	22	24	24	24	24	22	22	22	22

## Newport News Marine Terminal (NNMT)

Crane Specifications		Berth 1
Crane Specifications		#2
In Service Date		1982
Manufacturer		CMI
Capacity Long Tons	Cont Bar	50
	H/L Bar	179
Length of Boom "A" (ft)		114
Fender - Distance from offshore gantry rail to offshore edge of fender system (ft)		9
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
Height of Spreader to Dock "B" (ft)		84
Height of Spreader to Water (MHW) (ft)		94
Distance from Spreader to Hard Up-stop (ft)		2
Height Boom to Dock "C"		100
Height Boom to Water (MHW) (ft)		110
Height under Beam "D" (ft)		35
Overall Length (ft)		123
Width between Legs (ft)		55
Rail Gauge (ft)		50
Back Reach Distance (ft)		54
Container Count Across Vessel		12