

HEARTLAND FABRICATION, LLC  
 1800 Paul Thomas Boulevard  
 Brownsville, PA 15145

July 1, 2019

**Customer: FMTA**  
 Barge Names: FMTA 1931B - 1950B  
 Barge Design B-148  
 Barge Length - ft 200.00  
 Barge Width - ft 35.00  
 Barge Depth - ft 13.00  
 Coaming height - ft 4.00

Model B-148 Box Covered Hopper Barge (with fiberglass covers)

FEET → INCHES ↓	SHORT TONS CARGO (without covers)												
	1	2	3	4	5	6	7	8	9	10	11	12	13
0	-	99	317	536	754	973	1191	1409	1628	1846	2065	2283	2502
1	-	117	336	554	772	991	1209	1428	1646	1864	2083	2301	0
2	-	135	354	572	791	1009	1227	1446	1664	1883	2101	2319	0
3	-	154	372	590	809	1027	1246	1464	1682	1901	2119	2338	0
4	-	172	390	609	827	1045	1264	1482	1701	1919	2137	2356	0
5	-	190	408	627	845	1064	1282	1500	1719	1937	2156	2374	0
6	-	208	427	645	863	1082	1300	1519	1737	1955	2174	2392	0
7	8	226	445	663	882	1100	1318	1537	1755	1974	2192	2410	0
8	26	245	463	681	900	1118	1337	1555	1773	1992	2210	2429	0
9	44	263	481	700	918	1136	1355	1573	1792	2010	2228	2447	0
10	63	281	499	718	936	1155	1373	1591	1810	2028	2247	2465	0
11	81	299	518	736	954	1173	1391	1610	1828	2046	2265	2483	0

Table for avg reading with barge afloat on even keel, FRESH water = 342.00 SHORT TONS barge neat weight + 10 tons for covers  
 Cargo Hopper Volume = 84,399 Cu. Ft. (Struck)

# B-148 Box Hopper with Covers