



Heartland Fabrication
1800 Paul Thomas Boulevard
Brownsville, PA 15417

June 12, 2018

Customer: BKM Marine

Barge Names: HBM 3059 thru HBM 3078, inclusive
 Barge Design B-75
 Barge Length - ft 200.00
 Barge Width - ft 35.00
 Barge Depth - ft 13.00
 Coaming height - ft 3.00

Model B-75 Rake Covered Hopper Barge (without fiberglass covers installed)

| SHORT TONS CARGO (without covers) | | | | | | | | | | | | | |
|-----------------------------------|----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| FEET → | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| INCHES ↓ | | | | | | | | | | | | | |
| 0 | - | 48 | 257 | 468 | 683 | 900 | 1120 | 1341 | 1565 | 1791 | 2021 | 2252 | 2487 |
| 1 | - | 66 | 274 | 486 | 701 | 918 | 1138 | 1360 | 1584 | 1810 | 2040 | 2272 | - |
| 2 | - | 83 | 292 | 504 | 719 | 937 | 1156 | 1378 | 1603 | 1834 | 2059 | 2291 | - |
| 3 | - | 100 | 309 | 522 | 737 | 955 | 1175 | 1397 | 1621 | 1848 | 2078 | 2311 | - |
| 4 | - | 118 | 327 | 540 | 755 | 973 | 1193 | 1415 | 1640 | 1868 | 2098 | 2330 | - |
| 5 | - | 135 | 345 | 557 | 773 | 991 | 1212 | 1434 | 1659 | 1887 | 2117 | 2350 | - |
| 6 | - | 152 | 362 | 575 | 791 | 1010 | 1230 | 1453 | 1678 | 1906 | 2136 | 2369 | - |
| 7 | - | 170 | 380 | 593 | 809 | 1028 | 1249 | 1471 | 1697 | 1925 | 2156 | 2389 | - |
| 8 | - | 187 | 397 | 611 | 827 | 1046 | 1267 | 1490 | 1716 | 1944 | 2175 | 2408 | - |
| 9 | - | 204 | 415 | 629 | 846 | 1065 | 1285 | 1509 | 1735 | 1963 | 2194 | 2428 | - |
| 10 | 14 | 222 | 433 | 647 | 864 | 1083 | 1304 | 1527 | 1753 | 1982 | 2214 | 2448 | - |
| 11 | 32 | 239 | 451 | 665 | 882 | 1101 | 1322 | 1546 | 1772 | 2001 | 2233 | 2467 | - |

Table for average reading with barge afloat on even keel, FRESH water = 351 SHORT TONS barge weight, no covers
 Cargo Hopper Volume = 72,150 Cu. Ft. (Struck)

B-75 Box Hopper without Covers