



# BARGE "HSM 3023"

## INNAGE TRIM TABLE "MMC" GAUGE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8
3 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
3 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

**EXAMPLE FOR ABOVE TRIM CORRECTIONS:**

FWD. DRAFT = 1'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 3'-00" (DOWN BY STERN)

THE CORRECTION FOR 3'-00" TRIM DOWN BY STERN FOR 3 PORT IS - 00-1/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

October 14, 2019

**PRECISION MEASUREMENT  
 & ANALYSIS, INC.**  
 P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HSM 3023"

## INNAGE TRIM TABLE 8" GAUGE HATCH

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
1 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-2/8	- 00-2/8	00-3/8	- 00-3/8
3 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
3 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

**EXAMPLE FOR ABOVE TRIM CORRECTIONS:**

FWD. DRAFT = 1'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 3'-00" (DOWN BY STERN)

THE CORRECTION FOR 3'-00" TRIM DOWN BY STERN FOR 3 PORT IS - 00-3/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

October 14, 2019

**PRECISION MEASUREMENT  
 & ANALYSIS, INC.**  
 P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HSM 3023"

# 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	386	0	13,264	0	28,205	0	43,242	0	58,217	0	73,212	0	88,249	0	103,287	0	118,320	0	133,351
1/4	563	1/4	13,566	1/4	28,518	1/4	43,555	1/4	58,528	1/4	73,525	1/4	88,563	1/4	103,600	1/4	118,633	1/4	133,664
1/2	740	1/2	13,868	1/2	28,831	1/2	43,868	1/2	58,839	1/2	73,839	1/2	88,876	1/2	103,913	1/2	118,946	1/2	133,977
3/4	917	3/4	14,169	3/4	29,145	3/4	44,182	3/4	59,150	3/4	74,152	3/4	89,189	3/4	104,227	3/4	119,259	3/4	134,290
1	1,094	1	14,471	1	29,458	1	44,495	1	59,461	1	74,465	1	89,503	1	104,540	1	119,572	1	134,603
1/4	1,333	1/4	14,777	1/4	29,771	1/4	44,808	1/4	59,772	1/4	74,778	1/4	89,816	1/4	104,853	1/4	119,886	1/4	134,917
1/2	1,572	1/2	15,082	1/2	30,084	1/2	45,122	1/2	60,083	1/2	75,092	1/2	90,129	1/2	105,167	1/2	120,199	1/2	135,230
3/4	1,811	3/4	15,388	3/4	30,398	3/4	45,435	3/4	60,394	3/4	75,405	3/4	90,442	3/4	105,480	3/4	120,512	3/4	135,543
2	2,050	2	15,693	2	30,711	2	45,748	2	60,705	2	75,718	2	90,756	2	105,793	2	120,825	2	135,856
1/4	2,312	1/4	16,003	1/4	31,024	1/4	46,061	1/4	61,015	1/4	76,031	1/4	91,069	1/4	106,106	1/4	121,138	1/4	136,169
1/2	2,574	1/2	16,312	1/2	31,338	1/2	46,375	1/2	61,326	1/2	76,345	1/2	91,382	1/2	106,420	1/2	121,451	1/2	136,482
3/4	2,836	3/4	16,622	3/4	31,651	3/4	46,688	3/4	61,637	3/4	76,658	3/4	91,696	3/4	106,733	3/4	121,764	3/4	136,795
3	3,098	3	16,931	3	31,964	3	47,001	3	61,948	3	76,971	3	92,009	3	107,046	3	122,078	3	137,109
1/4	3,365	1/4	17,243	1/4	32,277	1/4	47,314	1/4	62,259	1/4	77,285	1/4	92,322	1/4	107,360	1/4	122,391	1/4	137,422
1/2	3,632	1/2	17,556	1/2	32,591	1/2	47,628	1/2	62,571	1/2	77,598	1/2	92,635	1/2	107,673	1/2	122,704	1/2	137,735
3/4	3,898	3/4	17,868	3/4	32,904	3/4	47,941	3/4	62,882	3/4	77,911	3/4	92,949	3/4	107,986	3/4	123,017	3/4	138,048
4	4,165	4	18,180	4	33,217	4	48,254	4	63,193	4	78,224	4	93,262	4	108,299	4	123,330	4	138,361
1/4	4,436	1/4	18,493	1/4	33,530	1/4	48,567	1/4	63,505	1/4	78,538	1/4	93,575	1/4	108,612	1/4	123,643	1/4	138,674
1/2	4,707	1/2	18,807	1/2	33,844	1/2	48,879	1/2	63,817	1/2	78,851	1/2	93,889	1/2	108,925	1/2	123,956	1/2	138,987
3/4	4,978	3/4	19,120	3/4	34,157	3/4	49,192	3/4	64,129	3/4	79,164	3/4	94,202	3/4	109,239	3/4	124,270	3/4	139,301
5	5,248	5	19,433	5	34,470	5	49,504	5	64,441	5	79,478	5	94,515	5	109,552	5	124,583	5	139,614
1/4	5,523	1/4	19,747	1/4	34,784	1/4	49,816	1/4	64,754	1/4	79,791	1/4	94,828	1/4	109,865	1/4	124,896	1/4	139,927
1/2	5,798	1/2	20,060	1/2	35,097	1/2	50,128	1/2	65,067	1/2	80,104	1/2	95,142	1/2	110,178	1/2	125,209	1/2	140,240
3/4	6,073	3/4	20,373	3/4	35,410	3/4	50,440	3/4	65,380	3/4	80,417	3/4	95,455	3/4	110,491	3/4	125,522	3/4	140,553
6	6,347	6	20,686	6	35,723	6	50,752	6	65,693	6	80,731	6	95,768	6	110,804	6	125,835	6	140,866
1/4	6,626	1/4	21,000	1/4	36,037	1/4	51,063	1/4	66,006	1/4	81,044	1/4	96,081	1/4	111,117	1/4	126,148	1/4	141,179
1/2	6,904	1/2	21,313	1/2	36,350	1/2	51,375	1/2	66,320	1/2	81,357	1/2	96,395	1/2	111,431	1/2	126,462	1/2	141,493
3/4	7,183	3/4	21,626	3/4	36,663	3/4	51,687	3/4	66,633	3/4	81,671	3/4	96,708	3/4	111,744	3/4	126,775	3/4	141,806
7	7,462	7	21,939	7	36,976	7	51,998	7	66,946	7	81,984	7	97,021	7	112,057	7	127,088	7	142,119
1/4	7,744	1/4	22,253	1/4	37,290	1/4	52,309	1/4	67,260	1/4	82,297	1/4	97,335	1/4	112,370	1/4	127,401	1/4	142,432
1/2	8,026	1/2	22,566	1/2	37,603	1/2	52,620	1/2	67,573	1/2	82,610	1/2	97,648	1/2	112,683	1/2	127,714	1/2	142,745
3/4	8,309	3/4	22,879	3/4	37,916	3/4	52,932	3/4	67,886	3/4	82,924	3/4	97,961	3/4	112,996	3/4	128,027	3/4	143,058
8	8,591	8	23,192	8	38,230	8	53,243	8	68,199	8	83,237	8	98,274	8	113,309	8	128,340	8	143,371
1/4	8,878	1/4	23,506	1/4	38,543	1/4	53,554	1/4	68,513	1/4	83,550	1/4	98,588	1/4	113,623	1/4	128,654	1/4	143,685
1/2	9,164	1/2	23,819	1/2	38,856	1/2	53,865	1/2	68,826	1/2	83,864	1/2	98,901	1/2	113,936	1/2	128,967	1/2	143,998
3/4	9,450	3/4	24,132	3/4	39,169	3/4	54,175	3/4	69,139	3/4	84,177	3/4	99,214	3/4	114,249	3/4	129,280	3/4	144,311
9	9,736	9	24,446	9	39,483	9	54,486	9	69,453	9	84,490	9	99,528	9	114,562	9	129,593	9	144,624
1/4	10,026	1/4	24,759	1/4	39,796	1/4	54,797	1/4	69,766	1/4	84,803	1/4	99,841	1/4	114,875	1/4	129,906	1/4	144,937
1/2	10,317	1/2	25,072	1/2	40,109	1/2	55,108	1/2	70,079	1/2	85,117	1/2	100,154	1/2	115,188	1/2	130,219	1/2	145,250
3/4	10,607	3/4	25,385	3/4	40,422	3/4	55,419	3/4	70,392	3/4	85,430	3/4	100,467	3/4	115,502	3/4	130,532	3/4	145,563
10	10,897	10	25,699	10	40,736	10	55,730	10	70,706	10	85,743	10	100,781	10	115,815	10	130,846	10	145,877
1/4	11,191	1/4	26,012	1/4	41,049	1/4	56,041	1/4	71,019	1/4	86,056	1/4	101,094	1/4	116,128	1/4	131,159	1/4	146,190
1/2	11,485	1/2	26,325	1/2	41,362	1/2	56,352	1/2	71,332	1/2	86,370	1/2	101,407	1/2	116,441	1/2	131,472	1/2	146,503
3/4	11,779	3/4	26,638	3/4	41,676	3/4	56,663	3/4	71,646	3/4	86,683	3/4	101,721	3/4	116,754	3/4	131,785	3/4	146,816
11	12,073	11	26,952	11	41,989	11	56,974	11	71,959	11	86,996	11	102,034	11	117,067	11	132,098	11	147,129
1/4	12,371	1/4	27,265	1/4	42,302	1/4	57,285	1/4	72,272	1/4	87,310	1/4	102,347	1/4	117,380	1/4	132,411	1/4	147,442
1/2	12,669	1/2	27,578	1/2	42,615	1/2	57,595	1/2	72,585	1/2	87,623	1/2	102,660	1/2	117,694	1/2	132,725	1/2	147,755
3/4	12,966	3/4	27,892	3/4	42,929	3/4	57,906	3/4	72,899	3/4	87,936	3/4	102,974	3/4	118,007	3/4	133,038	3/4	148,069

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092

Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "HSM 3023"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	148,382	0	163,413	0	178,435	0	193,422	0	208,336	0		0		0		0		0	
1/4	148,695	1/4	163,726	1/4	178,747	1/4	193,734	1/4	208,617	1/4		1/4		1/4		1/4		1/4	
1/2	149,008	1/2	164,039	1/2	179,059	1/2	194,046	1/2	208,897	1/2		1/2		1/2		1/2		1/2	
3/4	149,321	3/4	164,352	3/4	179,371	3/4	194,358	3/4	209,177	3/4		3/4		3/4		3/4		3/4	
1	149,634	1	164,665	1	179,684	1	194,671	1	209,458	1		1		1		1		1	
1/4	149,948	1/4	164,978	1/4	179,996	1/4	194,983	1/4	209,690	1/4		1/4		1/4		1/4		1/4	
1/2	150,261	1/2	165,292	1/2	180,308	1/2	195,295	1/2	209,922	1/2		1/2		1/2		1/2		1/2	
3/4	150,574	3/4	165,605	3/4	180,620	3/4	195,607	3/4	210,154	3/4		3/4		3/4		3/4		3/4	
2	150,887	2	165,918	2	180,932	2	195,920	2	210,385	2		2		2		2		2	
1/4	151,200	1/4	166,231	1/4	181,245	1/4	196,232	1/4	210,565	1/4		1/4		1/4		1/4		1/4	
1/2	151,513	1/2	166,544	1/2	181,557	1/2	196,544	1/2	210,745	1/2		1/2		1/2		1/2		1/2	
3/4	151,826	3/4	166,857	3/4	181,869	3/4	196,856	3/4	210,925	3/4		3/4		3/4		3/4		3/4	
3	152,140	3	167,171	3	182,181	3	197,169	3	211,104	3		3		3		3		3	
1/4	152,453	1/4	167,484	1/4	182,494	1/4	197,481	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,766	1/2	167,797	1/2	182,806	1/2	197,793	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,079	3/4	168,110	3/4	183,118	3/4	198,105	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,392	4	168,423	4	183,430	4	198,417	4		4		4		4		4		4	
1/4	153,705	1/4	168,736	1/4	183,743	1/4	198,730	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,018	1/2	169,049	1/2	184,055	1/2	199,042	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,332	3/4	169,363	3/4	184,367	3/4	199,354	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,645	5	169,676	5	184,679	5	199,666	5		5		5		5		5		5	
1/4	154,958	1/4	169,989	1/4	184,991	1/4	199,978	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,271	1/2	170,302	1/2	185,304	1/2	200,289	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,584	3/4	170,615	3/4	185,616	3/4	200,600	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,897	6	170,928	6	185,928	6	200,911	6		6		6		6		6		6	
1/4	156,210	1/4	171,241	1/4	186,240	1/4	201,221	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,524	1/2	171,555	1/2	186,553	1/2	201,531	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,837	3/4	171,868	3/4	186,865	3/4	201,841	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,150	7	172,181	7	187,177	7	202,151	7		7		7		7		7		7	
1/4	157,463	1/4	172,494	1/4	187,489	1/4	202,462	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,776	1/2	172,807	1/2	187,802	1/2	202,772	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,089	3/4	173,120	3/4	188,114	3/4	203,082	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,402	8	173,433	8	188,426	8	203,392	8		8		8		8		8		8	
1/4	158,716	1/4	173,747	1/4	188,738	1/4	203,702	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,029	1/2	174,060	1/2	189,050	1/2	204,012	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,342	3/4	174,373	3/4	189,363	3/4	204,323	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,655	9	174,686	9	189,675	9	204,633	9		9		9		9		9		9	
1/4	159,968	1/4	174,999	1/4	189,987	1/4	204,943	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,281	1/2	175,311	1/2	190,299	1/2	205,253	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,594	3/4	175,624	3/4	190,612	3/4	205,563	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,908	10	175,937	10	190,924	10	205,873	10		10		10		10		10		10	
1/4	161,221	1/4	176,249	1/4	191,236	1/4	206,183	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,534	1/2	176,561	1/2	191,548	1/2	206,493	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,847	3/4	176,873	3/4	191,861	3/4	206,803	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,160	11	177,186	11	192,173	11	207,112	11		11		11		11		11		11	
1/4	162,473	1/4	177,498	1/4	192,485	1/4	207,418	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,786	1/2	177,810	1/2	192,797	1/2	207,724	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,100	3/4	178,122	3/4	193,110	3/4	208,030	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/14/2019 CL  
CALCULATED: 10/14/2019 CL  
PRINTED: 10/14/2019 CL

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019



# BARGE "HSM 3023"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	386	0	13,266	0	28,208	0	43,246	0	58,281	0	73,317	0	88,356	0	103,395	0	118,429	0	133,462
1/4	563	1/4	13,567	1/4	28,521	1/4	43,560	1/4	58,594	1/4	73,630	1/4	88,669	1/4	103,708	1/4	118,742	1/4	133,775
1/2	740	1/2	13,869	1/2	28,834	1/2	43,873	1/2	58,907	1/2	73,943	1/2	88,982	1/2	104,021	1/2	119,056	1/2	134,088
3/4	917	3/4	14,171	3/4	29,148	3/4	44,186	3/4	59,220	3/4	74,257	3/4	89,296	3/4	104,335	3/4	119,369	3/4	134,401
1	1,094	1	14,473	1	29,461	1	44,500	1	59,533	1	74,570	1	89,609	1	104,648	1	119,682	1	134,714
1/4	1,333	1/4	14,778	1/4	29,774	1/4	44,813	1/4	59,846	1/4	74,883	1/4	89,922	1/4	104,961	1/4	119,995	1/4	135,028
1/2	1,572	1/2	15,084	1/2	30,088	1/2	45,126	1/2	60,159	1/2	75,197	1/2	90,236	1/2	105,275	1/2	120,308	1/2	135,341
3/4	1,811	3/4	15,389	3/4	30,401	3/4	45,439	3/4	60,472	3/4	75,510	3/4	90,549	3/4	105,588	3/4	120,621	3/4	135,654
2	2,050	2	15,695	2	30,714	2	45,753	2	60,785	2	75,823	2	90,862	2	105,901	2	120,935	2	135,967
1/4	2,312	1/4	16,004	1/4	31,028	1/4	46,066	1/4	61,098	1/4	76,137	1/4	91,176	1/4	106,215	1/4	121,248	1/4	136,280
1/2	2,574	1/2	16,314	1/2	31,341	1/2	46,379	1/2	61,411	1/2	76,450	1/2	91,489	1/2	106,528	1/2	121,561	1/2	136,593
3/4	2,836	3/4	16,623	3/4	31,654	3/4	46,693	3/4	61,725	3/4	76,763	3/4	91,802	3/4	106,841	3/4	121,874	3/4	136,907
3	3,099	3	16,933	3	31,967	3	47,006	3	62,038	3	77,077	3	92,116	3	107,155	3	122,187	3	137,220
1/4	3,365	1/4	17,245	1/4	32,281	1/4	47,319	1/4	62,351	1/4	77,390	1/4	92,429	1/4	107,468	1/4	122,501	1/4	137,533
1/2	3,632	1/2	17,557	1/2	32,594	1/2	47,633	1/2	62,664	1/2	77,703	1/2	92,742	1/2	107,781	1/2	122,814	1/2	137,846
3/4	3,899	3/4	17,870	3/4	32,907	3/4	47,946	3/4	62,978	3/4	78,016	3/4	93,055	3/4	108,094	3/4	123,127	3/4	138,159
4	4,166	4	18,182	4	33,221	4	48,259	4	63,291	4	78,330	4	93,369	4	108,408	4	123,440	4	138,473
1/4	4,437	1/4	18,495	1/4	33,534	1/4	48,573	1/4	63,604	1/4	78,643	1/4	93,682	1/4	108,721	1/4	123,753	1/4	138,786
1/2	4,707	1/2	18,809	1/2	33,847	1/2	48,886	1/2	63,917	1/2	78,956	1/2	93,995	1/2	109,034	1/2	124,066	1/2	139,099
3/4	4,978	3/4	19,122	3/4	34,161	3/4	49,199	3/4	64,231	3/4	79,270	3/4	94,309	3/4	109,347	3/4	124,380	3/4	139,412
5	5,249	5	19,435	5	34,474	5	49,512	5	64,544	5	79,583	5	94,622	5	109,660	5	124,693	5	139,725
1/4	5,524	1/4	19,749	1/4	34,787	1/4	49,826	1/4	64,857	1/4	79,896	1/4	94,935	1/4	109,973	1/4	125,006	1/4	140,038
1/2	5,799	1/2	20,062	1/2	35,100	1/2	50,139	1/2	65,171	1/2	80,210	1/2	95,249	1/2	110,287	1/2	125,319	1/2	140,352
3/4	6,073	3/4	20,375	3/4	35,414	3/4	50,452	3/4	65,484	3/4	80,523	3/4	95,562	3/4	110,600	3/4	125,632	3/4	140,665
6	6,348	6	20,689	6	35,727	6	50,766	6	65,797	6	80,836	6	95,875	6	110,913	6	125,945	6	140,978
1/4	6,627	1/4	21,002	1/4	36,040	1/4	51,079	1/4	66,111	1/4	81,150	1/4	96,189	1/4	111,226	1/4	126,259	1/4	141,291
1/2	6,905	1/2	21,315	1/2	36,354	1/2	51,392	1/2	66,424	1/2	81,463	1/2	96,502	1/2	111,539	1/2	126,572	1/2	141,604
3/4	7,184	3/4	21,628	3/4	36,667	3/4	51,705	3/4	66,737	3/4	81,776	3/4	96,815	3/4	111,852	3/4	126,885	3/4	141,918
7	7,462	7	21,942	7	36,980	7	52,019	7	67,051	7	82,090	7	97,129	7	112,166	7	127,198	7	142,231
1/4	7,745	1/4	22,255	1/4	37,294	1/4	52,332	1/4	67,364	1/4	82,403	1/4	97,442	1/4	112,479	1/4	127,511	1/4	142,544
1/2	8,027	1/2	22,568	1/2	37,607	1/2	52,645	1/2	67,677	1/2	82,716	1/2	97,755	1/2	112,792	1/2	127,825	1/2	142,857
3/4	8,310	3/4	22,882	3/4	37,920	3/4	52,958	3/4	67,990	3/4	83,029	3/4	98,068	3/4	113,105	3/4	128,138	3/4	143,170
8	8,592	8	23,195	8	38,234	8	53,271	8	68,304	8	83,343	8	98,382	8	113,418	8	128,451	8	143,484
1/4	8,879	1/4	23,508	1/4	38,547	1/4	53,584	1/4	68,617	1/4	83,656	1/4	98,695	1/4	113,732	1/4	128,764	1/4	143,797
1/2	9,165	1/2	23,822	1/2	38,860	1/2	53,897	1/2	68,930	1/2	83,969	1/2	99,008	1/2	114,045	1/2	129,077	1/2	144,110
3/4	9,451	3/4	24,135	3/4	39,173	3/4	54,210	3/4	69,244	3/4	84,283	3/4	99,322	3/4	114,358	3/4	129,390	3/4	144,423
9	9,737	9	24,448	9	39,487	9	54,524	9	69,557	9	84,596	9	99,635	9	114,671	9	129,704	9	144,736
1/4	10,028	1/4	24,761	1/4	39,800	1/4	54,837	1/4	69,870	1/4	84,909	1/4	99,948	1/4	114,984	1/4	130,017	1/4	145,049
1/2	10,318	1/2	25,075	1/2	40,113	1/2	55,150	1/2	70,184	1/2	85,223	1/2	100,262	1/2	115,297	1/2	130,330	1/2	145,363
3/4	10,608	3/4	25,388	3/4	40,427	3/4	55,463	3/4	70,497	3/4	85,536	3/4	100,575	3/4	115,611	3/4	130,643	3/4	145,676
10	10,898	10	25,701	10	40,740	10	55,776	10	70,810	10	85,849	10	100,888	10	115,924	10	130,956	10	145,989
1/4	11,192	1/4	26,015	1/4	41,053	1/4	56,089	1/4	71,124	1/4	86,163	1/4	101,202	1/4	116,237	1/4	131,269	1/4	146,302
1/2	11,486	1/2	26,328	1/2	41,367	1/2	56,402	1/2	71,437	1/2	86,476	1/2	101,515	1/2	116,550	1/2	131,583	1/2	146,615
3/4	11,780	3/4	26,641	3/4	41,680	3/4	56,715	3/4	71,750	3/4	86,789	3/4	101,828	3/4	116,863	3/4	131,896	3/4	146,929
11	12,074	11	26,955	11	41,993	11	57,028	11	72,064	11	87,103	11	102,142	11	117,177	11	132,209	11	147,242
1/4	12,372	1/4	27,268	1/4	42,306	1/4	57,341	1/4	72,377	1/4	87,416	1/4	102,455	1/4	117,490	1/4	132,522	1/4	147,555
1/2	12,670	1/2	27,581	1/2	42,620	1/2	57,654	1/2	72,690	1/2	87,729	1/2	102,768	1/2	117,803	1/2	132,835	1/2	147,868
3/4	12,968	3/4	27,895	3/4	42,933	3/4	57,967	3/4	73,003	3/4	88,042	3/4	103,082	3/4	118,116	3/4	133,149	3/4	148,181

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "HSM 3023"

1 STBD  
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	148,494	0	163,527	0	178,551	0	193,540	0	208,456	0		0		0		0		0	
1/4	148,808	1/4	163,840	1/4	178,863	1/4	193,852	1/4	208,737	1/4		1/4		1/4		1/4		1/4	
1/2	149,121	1/2	164,154	1/2	179,175	1/2	194,164	1/2	209,017	1/2		1/2		1/2		1/2		1/2	
3/4	149,434	3/4	164,467	3/4	179,488	3/4	194,477	3/4	209,297	3/4		3/4		3/4		3/4		3/4	
1	149,747	1	164,780	1	179,800	1	194,789	1	209,578	1		1		1		1		1	
1/4	150,060	1/4	165,093	1/4	180,112	1/4	195,101	1/4	209,810	1/4		1/4		1/4		1/4		1/4	
1/2	150,374	1/2	165,406	1/2	180,424	1/2	195,413	1/2	210,042	1/2		1/2		1/2		1/2		1/2	
3/4	150,687	3/4	165,719	3/4	180,737	3/4	195,726	3/4	210,273	3/4		3/4		3/4		3/4		3/4	
2	151,000	2	166,033	2	181,049	2	196,038	2	210,505	2		2		2		2		2	
1/4	151,313	1/4	166,346	1/4	181,361	1/4	196,350	1/4	210,685	1/4		1/4		1/4		1/4		1/4	
1/2	151,626	1/2	166,659	1/2	181,673	1/2	196,662	1/2	210,865	1/2		1/2		1/2		1/2		1/2	
3/4	151,939	3/4	166,972	3/4	181,986	3/4	196,975	3/4	211,045	3/4		3/4		3/4		3/4		3/4	
3	152,253	3	167,285	3	182,298	3	197,287	3	211,224	3		3		3		3		3	
1/4	152,566	1/4	167,599	1/4	182,610	1/4	197,599	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,879	1/2	167,912	1/2	182,923	1/2	197,911	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,192	3/4	168,225	3/4	183,235	3/4	198,224	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,505	4	168,538	4	183,547	4	198,536	4		4		4		4		4		4	
1/4	153,819	1/4	168,851	1/4	183,859	1/4	198,848	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,132	1/2	169,164	1/2	184,172	1/2	199,161	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,445	3/4	169,478	3/4	184,484	3/4	199,473	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,758	5	169,791	5	184,796	5	199,785	5		5		5		5		5		5	
1/4	155,071	1/4	170,104	1/4	185,108	1/4	200,096	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,384	1/2	170,417	1/2	185,421	1/2	200,407	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,698	3/4	170,730	3/4	185,733	3/4	200,719	3/4		3/4		3/4		3/4		3/4		3/4	
6	156,011	6	171,044	6	186,045	6	201,030	6		6		6		6		6		6	
1/4	156,324	1/4	171,357	1/4	186,358	1/4	201,340	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,637	1/2	171,670	1/2	186,670	1/2	201,650	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,950	3/4	171,983	3/4	186,982	3/4	201,960	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,264	7	172,296	7	187,294	7	202,270	7		7		7		7		7		7	
1/4	157,577	1/4	172,609	1/4	187,607	1/4	202,581	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,890	1/2	172,923	1/2	187,919	1/2	202,891	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,203	3/4	173,236	3/4	188,231	3/4	203,201	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,516	8	173,549	8	188,543	8	203,511	8		8		8		8		8		8	
1/4	158,829	1/4	173,862	1/4	188,856	1/4	203,821	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,143	1/2	174,175	1/2	189,168	1/2	204,132	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,456	3/4	174,489	3/4	189,480	3/4	204,442	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,769	9	174,802	9	189,792	9	204,752	9		9		9		9		9		9	
1/4	160,082	1/4	175,114	1/4	190,105	1/4	205,062	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,395	1/2	175,427	1/2	190,417	1/2	205,373	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,709	3/4	175,740	3/4	190,729	3/4	205,683	3/4		3/4		3/4		3/4		3/4		3/4	
10	161,022	10	176,053	10	191,042	10	205,993	10		10		10		10		10		10	
1/4	161,335	1/4	176,365	1/4	191,354	1/4	206,303	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,648	1/2	176,677	1/2	191,666	1/2	206,612	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,961	3/4	176,989	3/4	191,978	3/4	206,922	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,274	11	177,302	11	192,291	11	207,232	11		11		11		11		11		11	
1/4	162,588	1/4	177,614	1/4	192,603	1/4	207,538	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,901	1/2	177,926	1/2	192,915	1/2	207,844	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,214	3/4	178,239	3/4	193,227	3/4	208,150	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/14/2019 CL  
CALCULATED: 10/14/2019 CL  
PRINTED: 10/14/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "HSM 3023"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	1,031	0	15,693	0	30,754	0	45,443	0	59,926	0	74,777	0	89,840	0	104,903	0	119,961	0	135,016
1/4	1,267	1/4	16,007	1/4	31,067	1/4	45,744	1/4	60,228	1/4	75,091	1/4	90,154	1/4	105,217	1/4	120,275	1/4	135,330
1/2	1,502	1/2	16,321	1/2	31,381	1/2	46,045	1/2	60,530	1/2	75,405	1/2	90,468	1/2	105,531	1/2	120,588	1/2	135,644
3/4	1,737	3/4	16,635	3/4	31,695	3/4	46,346	3/4	60,832	3/4	75,719	3/4	90,782	3/4	105,845	3/4	120,902	3/4	135,957
1	1,973	1	16,949	1	32,009	1	46,647	1	61,134	1	76,033	1	91,096	1	106,159	1	121,216	1	136,271
1/4	2,266	1/4	17,262	1/4	32,323	1/4	46,948	1/4	61,436	1/4	76,346	1/4	91,409	1/4	106,472	1/4	121,529	1/4	136,585
1/2	2,559	1/2	17,576	1/2	32,636	1/2	47,249	1/2	61,738	1/2	76,660	1/2	91,723	1/2	106,786	1/2	121,843	1/2	136,898
3/4	2,853	3/4	17,890	3/4	32,950	3/4	47,551	3/4	62,040	3/4	76,974	3/4	92,037	3/4	107,100	3/4	122,157	3/4	137,212
2	3,146	2	18,204	2	33,264	2	47,852	2	62,342	2	77,288	2	92,351	2	107,414	2	122,470	2	137,526
1/4	3,459	1/4	18,518	1/4	33,578	1/4	48,153	1/4	62,645	1/4	77,602	1/4	92,665	1/4	107,728	1/4	122,784	1/4	137,839
1/2	3,772	1/2	18,831	1/2	33,892	1/2	48,454	1/2	62,947	1/2	77,915	1/2	92,978	1/2	108,041	1/2	123,098	1/2	138,153
3/4	4,085	3/4	19,145	3/4	34,205	3/4	48,755	3/4	63,249	3/4	78,229	3/4	93,292	3/4	108,355	3/4	123,411	3/4	138,467
3	4,398	3	19,459	3	34,519	3	49,057	3	63,551	3	78,543	3	93,606	3	108,669	3	123,725	3	138,780
1/4	4,711	1/4	19,773	1/4	34,833	1/4	49,358	1/4	63,853	1/4	78,857	1/4	93,920	1/4	108,983	1/4	124,039	1/4	139,094
1/2	5,025	1/2	20,087	1/2	35,147	1/2	49,659	1/2	64,155	1/2	79,171	1/2	94,234	1/2	109,297	1/2	124,352	1/2	139,408
3/4	5,338	3/4	20,400	3/4	35,461	3/4	49,961	3/4	64,457	3/4	79,485	3/4	94,548	3/4	109,610	3/4	124,666	3/4	139,721
4	5,652	4	20,714	4	35,774	4	50,262	4	64,759	4	79,798	4	94,861	4	109,924	4	124,979	4	140,035
1/4	5,966	1/4	21,028	1/4	36,082	1/4	50,564	1/4	65,067	1/4	80,112	1/4	95,175	1/4	110,238	1/4	125,293	1/4	140,349
1/2	6,279	1/2	21,342	1/2	36,390	1/2	50,865	1/2	65,375	1/2	80,426	1/2	95,489	1/2	110,551	1/2	125,607	1/2	140,662
3/4	6,593	3/4	21,656	3/4	36,698	3/4	51,167	3/4	65,683	3/4	80,740	3/4	95,803	3/4	110,865	3/4	125,920	3/4	140,976
5	6,907	5	21,969	5	37,006	5	51,469	5	65,991	5	81,054	5	96,117	5	111,179	5	126,234	5	141,290
1/4	7,221	1/4	22,283	1/4	37,308	1/4	51,771	1/4	66,304	1/4	81,367	1/4	96,430	1/4	111,492	1/4	126,548	1/4	141,603
1/2	7,534	1/2	22,597	1/2	37,610	1/2	52,073	1/2	66,618	1/2	81,681	1/2	96,744	1/2	111,806	1/2	126,861	1/2	141,917
3/4	7,848	3/4	22,911	3/4	37,912	3/4	52,375	3/4	66,932	3/4	81,995	3/4	97,058	3/4	112,120	3/4	127,175	3/4	142,231
6	8,162	6	23,225	6	38,214	6	52,677	6	67,246	6	82,309	6	97,372	6	112,433	6	127,489	6	142,544
1/4	8,476	1/4	23,538	1/4	38,516	1/4	52,979	1/4	67,560	1/4	82,623	1/4	97,686	1/4	112,747	1/4	127,802	1/4	142,858
1/2	8,790	1/2	23,852	1/2	38,817	1/2	53,281	1/2	67,873	1/2	82,936	1/2	97,999	1/2	113,061	1/2	128,116	1/2	143,171
3/4	9,103	3/4	24,166	3/4	39,119	3/4	53,583	3/4	68,187	3/4	83,250	3/4	98,313	3/4	113,374	3/4	128,430	3/4	143,485
7	9,417	7	24,480	7	39,421	7	53,885	7	68,501	7	83,564	7	98,627	7	113,688	7	128,743	7	143,799
1/4	9,731	1/4	24,794	1/4	39,722	1/4	54,187	1/4	68,815	1/4	83,878	1/4	98,941	1/4	114,002	1/4	129,057	1/4	144,112
1/2	10,045	1/2	25,107	1/2	40,023	1/2	54,489	1/2	69,129	1/2	84,192	1/2	99,255	1/2	114,315	1/2	129,371	1/2	144,426
3/4	10,359	3/4	25,421	3/4	40,324	3/4	54,791	3/4	69,443	3/4	84,506	3/4	99,569	3/4	114,629	3/4	129,684	3/4	144,740
8	10,672	8	25,735	8	40,625	8	55,093	8	69,756	8	84,819	8	99,882	8	114,943	8	129,998	8	145,053
1/4	10,986	1/4	26,049	1/4	40,926	1/4	55,395	1/4	70,070	1/4	85,133	1/4	100,196	1/4	115,256	1/4	130,312	1/4	145,367
1/2	11,300	1/2	26,363	1/2	41,227	1/2	55,697	1/2	70,384	1/2	85,447	1/2	100,510	1/2	115,570	1/2	130,625	1/2	145,681
3/4	11,614	3/4	26,676	3/4	41,528	3/4	55,999	3/4	70,698	3/4	85,761	3/4	100,824	3/4	115,883	3/4	130,939	3/4	145,994
9	11,928	9	26,990	9	41,829	9	56,302	9	71,012	9	86,075	9	101,138	9	116,197	9	131,253	9	146,308
1/4	12,242	1/4	27,304	1/4	42,131	1/4	56,604	1/4	71,325	1/4	86,388	1/4	101,451	1/4	116,511	1/4	131,566	1/4	146,622
1/2	12,555	1/2	27,617	1/2	42,432	1/2	56,906	1/2	71,639	1/2	86,702	1/2	101,765	1/2	116,824	1/2	131,880	1/2	146,935
3/4	12,869	3/4	27,931	3/4	42,733	3/4	57,208	3/4	71,953	3/4	87,016	3/4	102,079	3/4	117,138	3/4	132,194	3/4	147,249
10	13,183	10	28,244	10	43,034	10	57,510	10	72,267	10	87,330	10	102,393	10	117,452	10	132,507	10	147,563
1/4	13,497	1/4	28,558	1/4	43,335	1/4	57,812	1/4	72,581	1/4	87,644	1/4	102,707	1/4	117,765	1/4	132,821	1/4	147,876
1/2	13,811	1/2	28,871	1/2	43,636	1/2	58,114	1/2	72,894	1/2	87,957	1/2	103,020	1/2	118,079	1/2	133,135	1/2	148,190
3/4	14,124	3/4	29,185	3/4	43,937	3/4	58,416	3/4	73,208	3/4	88,271	3/4	103,334	3/4	118,393	3/4	133,448	3/4	148,504
11	14,438	11	29,499	11	44,238	11	58,718	11	73,522	11	88,585	11	103,648	11	118,706	11	133,762	11	148,817
1/4	14,752	1/4	29,812	1/4	44,539	1/4	59,020	1/4	73,836	1/4	88,899	1/4	103,962	1/4	119,020	1/4	134,075	1/4	149,131
1/2	15,066	1/2	30,126	1/2	44,841	1/2	59,322	1/2	74,150	1/2	89,213	1/2	104,276	1/2	119,334	1/2	134,389	1/2	149,445
3/4	15,380	3/4	30,440	3/4	45,142	3/4	59,624	3/4	74,464	3/4	89,527	3/4	104,590	3/4	119,647	3/4	134,703	3/4	149,758

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092

Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "HSM 3023"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	150,072	0	165,127	0	180,172	0	195,177	0	210,084	0		0		0		0		0	
1/4	150,386	1/4	165,441	1/4	180,485	1/4	195,489	1/4	210,364	1/4		1/4		1/4		1/4		1/4	
1/2	150,699	1/2	165,755	1/2	180,797	1/2	195,802	1/2	210,643	1/2		1/2		1/2		1/2		1/2	
3/4	151,013	3/4	166,068	3/4	181,110	3/4	196,114	3/4	210,923	3/4		3/4		3/4		3/4		3/4	
1	151,327	1	166,382	1	181,423	1	196,427	1	211,203	1		1		1		1		1	
1/4	151,640	1/4	166,696	1/4	181,735	1/4	196,739	1/4	211,434	1/4		1/4		1/4		1/4		1/4	
1/2	151,954	1/2	167,009	1/2	182,048	1/2	197,052	1/2	211,665	1/2		1/2		1/2		1/2		1/2	
3/4	152,267	3/4	167,323	3/4	182,360	3/4	197,365	3/4	211,896	3/4		3/4		3/4		3/4		3/4	
2	152,581	2	167,637	2	182,673	2	197,677	2	212,128	2		2		2		2		2	
1/4	152,895	1/4	167,950	1/4	182,985	1/4	197,990	1/4	212,307	1/4		1/4		1/4		1/4		1/4	
1/2	153,208	1/2	168,264	1/2	183,298	1/2	198,302	1/2	212,485	1/2		1/2		1/2		1/2		1/2	
3/4	153,522	3/4	168,578	3/4	183,611	3/4	198,615	3/4	212,664	3/4		3/4		3/4		3/4		3/4	
3	153,836	3	168,891	3	183,923	3	198,928	3	212,843	3		3		3		3		3	
1/4	154,149	1/4	169,205	1/4	184,236	1/4	199,240	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,463	1/2	169,519	1/2	184,548	1/2	199,553	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,777	3/4	169,832	3/4	184,861	3/4	199,865	3/4		3/4		3/4		3/4		3/4		3/4	
4	155,090	4	170,146	4	185,174	4	200,178	4		4		4		4		4		4	
1/4	155,404	1/4	170,460	1/4	185,486	1/4	200,491	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,718	1/2	170,773	1/2	185,799	1/2	200,803	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,031	3/4	171,087	3/4	186,111	3/4	201,116	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,345	5	171,400	5	186,424	5	201,428	5		5		5		5		5		5	
1/4	156,659	1/4	171,714	1/4	186,737	1/4	201,739	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,972	1/2	172,028	1/2	187,049	1/2	202,050	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,286	3/4	172,341	3/4	187,362	3/4	202,361	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,600	6	172,655	6	187,674	6	202,673	6		6		6		6		6		6	
1/4	157,913	1/4	172,969	1/4	187,987	1/4	202,982	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,227	1/2	173,282	1/2	188,300	1/2	203,291	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,541	3/4	173,596	3/4	188,612	3/4	203,601	3/4		3/4		3/4		3/4		3/4		3/4	
7	158,854	7	173,910	7	188,925	7	203,910	7		7		7		7		7		7	
1/4	159,168	1/4	174,223	1/4	189,237	1/4	204,220	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,482	1/2	174,537	1/2	189,550	1/2	204,530	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,795	3/4	174,851	3/4	189,862	3/4	204,839	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,109	8	175,164	8	190,175	8	205,149	8		8		8		8		8		8	
1/4	160,423	1/4	175,478	1/4	190,488	1/4	205,458	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,736	1/2	175,792	1/2	190,800	1/2	205,768	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,050	3/4	176,105	3/4	191,113	3/4	206,078	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,364	9	176,419	9	191,425	9	206,387	9		9		9		9		9		9	
1/4	161,677	1/4	176,732	1/4	191,738	1/4	206,697	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,991	1/2	177,045	1/2	192,051	1/2	207,006	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,304	3/4	177,358	3/4	192,363	3/4	207,316	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,618	10	177,671	10	192,676	10	207,626	10		10		10		10		10		10	
1/4	162,932	1/4	177,984	1/4	192,988	1/4	207,935	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,245	1/2	178,297	1/2	193,301	1/2	208,244	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,559	3/4	178,609	3/4	193,614	3/4	208,553	3/4		3/4		3/4		3/4		3/4		3/4	
11	163,873	11	178,922	11	193,926	11	208,862	11		11		11		11		11		11	
1/4	164,186	1/4	179,234	1/4	194,239	1/4	209,168	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,500	1/2	179,547	1/2	194,551	1/2	209,473	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,814	3/4	179,860	3/4	194,864	3/4	209,779	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/14/2019 CL  
CALCULATED: 10/14/2019 CL  
PRINTED: 10/14/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>





# BARGE "HSM 3023"

**2 STBD  
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

**GAUGE HEIGHT 15'-05"**

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	1,032	0	15,703	0	30,773	0	45,825	0	60,882	0	75,954	0	91,026	0	106,099	0	121,165	0	136,230
1/4	1,268	1/4	16,017	1/4	31,087	1/4	46,138	1/4	61,196	1/4	76,268	1/4	91,340	1/4	106,413	1/4	121,479	1/4	136,544
1/2	1,503	1/2	16,331	1/2	31,401	1/2	46,451	1/2	61,510	1/2	76,582	1/2	91,654	1/2	106,727	1/2	121,793	1/2	136,858
3/4	1,739	3/4	16,645	3/4	31,715	3/4	46,764	3/4	61,824	3/4	76,896	3/4	91,968	3/4	107,041	3/4	122,107	3/4	137,171
1	1,974	1	16,959	1	32,029	1	47,077	1	62,138	1	77,210	1	92,282	1	107,355	1	122,421	1	137,485
1/4	2,268	1/4	17,273	1/4	32,343	1/4	47,390	1/4	62,452	1/4	77,524	1/4	92,596	1/4	107,669	1/4	122,735	1/4	137,799
1/2	2,561	1/2	17,587	1/2	32,657	1/2	47,703	1/2	62,766	1/2	77,838	1/2	92,910	1/2	107,983	1/2	123,048	1/2	138,113
3/4	2,855	3/4	17,901	3/4	32,971	3/4	48,016	3/4	63,080	3/4	78,152	3/4	93,224	3/4	108,297	3/4	123,362	3/4	138,427
2	3,148	2	18,215	2	33,285	2	48,329	2	63,394	2	78,466	2	93,538	2	108,611	2	123,676	2	138,741
1/4	3,461	1/4	18,529	1/4	33,599	1/4	48,643	1/4	63,708	1/4	78,780	1/4	93,852	1/4	108,925	1/4	123,990	1/4	139,054
1/2	3,774	1/2	18,843	1/2	33,913	1/2	48,956	1/2	64,022	1/2	79,094	1/2	94,166	1/2	109,239	1/2	124,304	1/2	139,368
3/4	4,087	3/4	19,157	3/4	34,227	3/4	49,269	3/4	64,336	3/4	79,408	3/4	94,480	3/4	109,553	3/4	124,618	3/4	139,682
3	4,400	3	19,471	3	34,541	3	49,582	3	64,650	3	79,722	3	94,794	3	109,867	3	124,931	3	139,996
1/4	4,714	1/4	19,785	1/4	34,855	1/4	49,896	1/4	64,964	1/4	80,036	1/4	95,108	1/4	110,180	1/4	125,245	1/4	140,310
1/2	5,028	1/2	20,099	1/2	35,169	1/2	50,209	1/2	65,278	1/2	80,350	1/2	95,422	1/2	110,494	1/2	125,559	1/2	140,624
3/4	5,342	3/4	20,413	3/4	35,483	3/4	50,522	3/4	65,592	3/4	80,664	3/4	95,736	3/4	110,808	3/4	125,873	3/4	140,938
4	5,655	4	20,727	4	35,797	4	50,835	4	65,906	4	80,978	4	96,050	4	111,122	4	126,187	4	141,251
1/4	5,969	1/4	21,041	1/4	36,111	1/4	51,149	1/4	66,220	1/4	81,292	1/4	96,364	1/4	111,436	1/4	126,501	1/4	141,565
1/2	6,283	1/2	21,355	1/2	36,425	1/2	51,463	1/2	66,534	1/2	81,606	1/2	96,678	1/2	111,750	1/2	126,815	1/2	141,879
3/4	6,597	3/4	21,669	3/4	36,739	3/4	51,776	3/4	66,848	3/4	81,920	3/4	96,992	3/4	112,064	3/4	127,128	3/4	142,193
5	6,911	5	21,983	5	37,053	5	52,090	5	67,162	5	82,234	5	97,306	5	112,378	5	127,442	5	142,507
1/4	7,225	1/4	22,297	1/4	37,367	1/4	52,404	1/4	67,476	1/4	82,548	1/4	97,620	1/4	112,691	1/4	127,756	1/4	142,821
1/2	7,539	1/2	22,611	1/2	37,681	1/2	52,718	1/2	67,790	1/2	82,862	1/2	97,934	1/2	113,005	1/2	128,070	1/2	143,134
3/4	7,853	3/4	22,925	3/4	37,995	3/4	53,032	3/4	68,104	3/4	83,176	3/4	98,248	3/4	113,319	3/4	128,384	3/4	143,448
6	8,167	6	23,239	6	38,309	6	53,346	6	68,418	6	83,490	6	98,562	6	113,633	6	128,698	6	143,762
1/4	8,481	1/4	23,553	1/4	38,623	1/4	53,660	1/4	68,732	1/4	83,804	1/4	98,876	1/4	113,947	1/4	129,011	1/4	144,076
1/2	8,795	1/2	23,867	1/2	38,936	1/2	53,974	1/2	69,046	1/2	84,118	1/2	99,190	1/2	114,261	1/2	129,325	1/2	144,390
3/4	9,109	3/4	24,181	3/4	39,250	3/4	54,288	3/4	69,360	3/4	84,432	3/4	99,504	3/4	114,575	3/4	129,639	3/4	144,704
7	9,423	7	24,495	7	39,563	7	54,602	7	69,674	7	84,746	7	99,818	7	114,888	7	129,953	7	145,018
1/4	9,737	1/4	24,809	1/4	39,877	1/4	54,916	1/4	69,988	1/4	85,060	1/4	100,132	1/4	115,202	1/4	130,267	1/4	145,331
1/2	10,051	1/2	25,123	1/2	40,190	1/2	55,230	1/2	70,302	1/2	85,374	1/2	100,446	1/2	115,516	1/2	130,581	1/2	145,645
3/4	10,365	3/4	25,437	3/4	40,503	3/4	55,544	3/4	70,616	3/4	85,688	3/4	100,760	3/4	115,830	3/4	130,895	3/4	145,959
8	10,679	8	25,751	8	40,816	8	55,858	8	70,930	8	86,002	8	101,074	8	116,144	8	131,208	8	146,273
1/4	10,993	1/4	26,065	1/4	41,129	1/4	56,172	1/4	71,244	1/4	86,316	1/4	101,388	1/4	116,458	1/4	131,522	1/4	146,587
1/2	11,307	1/2	26,379	1/2	41,442	1/2	56,486	1/2	71,558	1/2	86,630	1/2	101,702	1/2	116,771	1/2	131,836	1/2	146,901
3/4	11,621	3/4	26,693	3/4	41,755	3/4	56,800	3/4	71,872	3/4	86,944	3/4	102,016	3/4	117,085	3/4	132,150	3/4	147,214
9	11,935	9	27,007	9	42,068	9	57,114	9	72,186	9	87,258	9	102,330	9	117,399	9	132,464	9	147,528
1/4	12,249	1/4	27,321	1/4	42,381	1/4	57,428	1/4	72,500	1/4	87,572	1/4	102,644	1/4	117,713	1/4	132,778	1/4	147,842
1/2	12,563	1/2	27,635	1/2	42,694	1/2	57,742	1/2	72,814	1/2	87,886	1/2	102,958	1/2	118,027	1/2	133,091	1/2	148,156
3/4	12,877	3/4	27,949	3/4	43,007	3/4	58,056	3/4	73,128	3/4	88,200	3/4	103,272	3/4	118,341	3/4	133,405	3/4	148,470
10	13,191	10	28,262	10	43,320	10	58,370	10	73,442	10	88,514	10	103,586	10	118,655	10	133,719	10	148,784
1/4	13,505	1/4	28,576	1/4	43,633	1/4	58,684	1/4	73,756	1/4	88,828	1/4	103,900	1/4	118,968	1/4	134,033	1/4	149,098
1/2	13,819	1/2	28,890	1/2	43,946	1/2	58,998	1/2	74,070	1/2	89,142	1/2	104,214	1/2	119,282	1/2	134,347	1/2	149,411
3/4	14,133	3/4	29,204	3/4	44,260	3/4	59,312	3/4	74,384	3/4	89,456	3/4	104,528	3/4	119,596	3/4	134,661	3/4	149,725
11	14,447	11	29,518	11	44,573	11	59,626	11	74,698	11	89,770	11	104,843	11	119,910	11	134,975	11	150,039
1/4	14,761	1/4	29,831	1/4	44,886	1/4	59,940	1/4	75,012	1/4	90,084	1/4	105,157	1/4	120,224	1/4	135,288	1/4	150,353
1/2	15,075	1/2	30,145	1/2	45,199	1/2	60,254	1/2	75,326	1/2	90,398	1/2	105,471	1/2	120,538	1/2	135,602	1/2	150,667
3/4	15,389	3/4	30,459	3/4	45,512	3/4	60,568	3/4	75,640	3/4	90,712	3/4	105,785	3/4	120,851	3/4	135,916	3/4	150,981

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HSM 3023"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	151,294	0	166,359	0	181,413	0	196,426	0	211,343	0		0		0		0		0	
1/4	151,608	1/4	166,673	1/4	181,726	1/4	196,739	1/4	211,623	1/4		1/4		1/4		1/4		1/4	
1/2	151,922	1/2	166,987	1/2	182,039	1/2	197,052	1/2	211,903	1/2		1/2		1/2		1/2		1/2	
3/4	152,236	3/4	167,301	3/4	182,351	3/4	197,365	3/4	212,183	3/4		3/4		3/4		3/4		3/4	
1	152,550	1	167,614	1	182,664	1	197,678	1	212,463	1		1		1		1		1	
1/4	152,864	1/4	167,928	1/4	182,977	1/4	197,990	1/4	212,694	1/4		1/4		1/4		1/4		1/4	
1/2	153,178	1/2	168,242	1/2	183,290	1/2	198,303	1/2	212,925	1/2		1/2		1/2		1/2		1/2	
3/4	153,491	3/4	168,556	3/4	183,602	3/4	198,616	3/4	213,157	3/4		3/4		3/4		3/4		3/4	
2	153,805	2	168,870	2	183,915	2	198,929	2	213,388	2		2		2		2		2	
1/4	154,119	1/4	169,184	1/4	184,228	1/4	199,241	1/4	213,567	1/4		1/4		1/4		1/4		1/4	
1/2	154,433	1/2	169,498	1/2	184,541	1/2	199,554	1/2	213,746	1/2		1/2		1/2		1/2		1/2	
3/4	154,747	3/4	169,811	3/4	184,854	3/4	199,867	3/4	213,925	3/4		3/4		3/4		3/4		3/4	
3	155,061	3	170,125	3	185,166	3	200,180	3	214,104	3		3		3		3		3	
1/4	155,374	1/4	170,439	1/4	185,479	1/4	200,493	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,688	1/2	170,753	1/2	185,792	1/2	200,805	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,002	3/4	171,067	3/4	186,105	3/4	201,118	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,316	4	171,381	4	186,417	4	201,431	4		4		4		4		4		4	
1/4	156,630	1/4	171,694	1/4	186,730	1/4	201,744	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,944	1/2	172,008	1/2	187,043	1/2	202,057	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,258	3/4	172,322	3/4	187,356	3/4	202,369	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,571	5	172,636	5	187,669	5	202,682	5		5		5		5		5		5	
1/4	157,885	1/4	172,950	1/4	187,981	1/4	202,993	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,199	1/2	173,264	1/2	188,294	1/2	203,305	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,513	3/4	173,578	3/4	188,607	3/4	203,616	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,827	6	173,891	6	188,920	6	203,927	6		6		6		6		6		6	
1/4	159,141	1/4	174,205	1/4	189,232	1/4	204,237	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,454	1/2	174,519	1/2	189,545	1/2	204,546	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,768	3/4	174,833	3/4	189,858	3/4	204,856	3/4		3/4		3/4		3/4		3/4		3/4	
7	160,082	7	175,147	7	190,171	7	205,166	7		7		7		7		7		7	
1/4	160,396	1/4	175,461	1/4	190,484	1/4	205,475	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,710	1/2	175,774	1/2	190,796	1/2	205,785	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,024	3/4	176,088	3/4	191,109	3/4	206,095	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,338	8	176,402	8	191,422	8	206,405	8		8		8		8		8		8	
1/4	161,651	1/4	176,716	1/4	191,735	1/4	206,715	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,965	1/2	177,030	1/2	192,048	1/2	207,024	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,279	3/4	177,344	3/4	192,360	3/4	207,334	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,593	9	177,657	9	192,673	9	207,644	9		9		9		9		9		9	
1/4	162,907	1/4	177,971	1/4	192,986	1/4	207,954	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,221	1/2	178,284	1/2	193,299	1/2	208,264	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,534	3/4	178,597	3/4	193,611	3/4	208,573	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,848	10	178,911	10	193,924	10	208,883	10		10		10		10		10		10	
1/4	164,162	1/4	179,224	1/4	194,237	1/4	209,192	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,476	1/2	179,536	1/2	194,550	1/2	209,502	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,790	3/4	179,849	3/4	194,863	3/4	209,811	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,104	11	180,162	11	195,175	11	210,120	11		11		11		11		11		11	
1/4	165,418	1/4	180,475	1/4	195,488	1/4	210,426	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,731	1/2	180,787	1/2	195,801	1/2	210,732	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,045	3/4	181,100	3/4	196,114	3/4	211,037	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/14/2019 CL  
CALCULATED: 10/14/2019 CL  
PRINTED: 10/14/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "HSM 3023"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	1,029	0	15,649	0	30,653	0	45,427	0	59,999	0	74,924	0	89,905	0	104,898	0	119,881	0	134,860
1/4	1,264	1/4	15,961	1/4	30,965	1/4	45,729	1/4	60,311	1/4	75,234	1/4	90,217	1/4	105,210	1/4	120,193	1/4	135,172
1/2	1,499	1/2	16,274	1/2	31,278	1/2	46,031	1/2	60,623	1/2	75,545	1/2	90,529	1/2	105,523	1/2	120,505	1/2	135,485
3/4	1,734	3/4	16,587	3/4	31,590	3/4	46,333	3/4	60,936	3/4	75,855	3/4	90,841	3/4	105,835	3/4	120,817	3/4	135,797
1	1,968	1	16,899	1	31,903	1	46,635	1	61,248	1	76,166	1	91,154	1	106,148	1	121,129	1	136,109
1/4	2,261	1/4	17,212	1/4	32,216	1/4	46,937	1/4	61,560	1/4	76,477	1/4	91,466	1/4	106,460	1/4	121,441	1/4	136,421
1/2	2,554	1/2	17,525	1/2	32,528	1/2	47,240	1/2	61,872	1/2	76,787	1/2	91,778	1/2	106,772	1/2	121,753	1/2	136,733
3/4	2,847	3/4	17,837	3/4	32,841	3/4	47,542	3/4	62,185	3/4	77,098	3/4	92,090	3/4	107,085	3/4	122,065	3/4	137,045
2	3,139	2	18,150	2	33,153	2	47,845	2	62,497	2	77,408	2	92,403	2	107,397	2	122,377	2	137,357
1/4	3,451	1/4	18,462	1/4	33,466	1/4	48,147	1/4	62,808	1/4	77,720	1/4	92,715	1/4	107,709	1/4	122,689	1/4	137,669
1/2	3,764	1/2	18,775	1/2	33,779	1/2	48,450	1/2	63,120	1/2	78,032	1/2	93,027	1/2	108,021	1/2	123,002	1/2	137,981
3/4	4,076	3/4	19,088	3/4	34,091	3/4	48,753	3/4	63,431	3/4	78,343	3/4	93,339	3/4	108,334	3/4	123,314	3/4	138,293
3	4,388	3	19,400	3	34,404	3	49,056	3	63,742	3	78,655	3	93,652	3	108,646	3	123,626	3	138,605
1/4	4,701	1/4	19,713	1/4	34,716	1/4	49,358	1/4	64,053	1/4	78,967	1/4	93,964	1/4	108,958	1/4	123,938	1/4	138,917
1/2	5,013	1/2	20,025	1/2	35,028	1/2	49,661	1/2	64,364	1/2	79,280	1/2	94,276	1/2	109,270	1/2	124,250	1/2	139,229
3/4	5,326	3/4	20,338	3/4	35,340	3/4	49,964	3/4	64,674	3/4	79,592	3/4	94,588	3/4	109,582	3/4	124,562	3/4	139,542
4	5,639	4	20,651	4	35,652	4	50,267	4	64,985	4	79,905	4	94,901	4	109,894	4	124,874	4	139,854
1/4	5,952	1/4	20,963	1/4	35,961	1/4	50,569	1/4	65,295	1/4	80,217	1/4	95,213	1/4	110,206	1/4	125,186	1/4	140,166
1/2	6,265	1/2	21,276	1/2	36,269	1/2	50,872	1/2	65,606	1/2	80,530	1/2	95,525	1/2	110,519	1/2	125,498	1/2	140,478
3/4	6,577	3/4	21,589	3/4	36,578	3/4	51,175	3/4	65,917	3/4	80,843	3/4	95,837	3/4	110,831	3/4	125,810	3/4	140,790
5	6,890	5	21,901	5	36,886	5	51,477	5	66,227	5	81,155	5	96,150	5	111,143	5	126,122	5	141,102
1/4	7,203	1/4	22,214	1/4	37,191	1/4	51,780	1/4	66,538	1/4	81,468	1/4	96,462	1/4	111,455	1/4	126,434	1/4	141,413
1/2	7,516	1/2	22,526	1/2	37,497	1/2	52,083	1/2	66,848	1/2	81,780	1/2	96,774	1/2	111,767	1/2	126,746	1/2	141,725
3/4	7,829	3/4	22,839	3/4	37,802	3/4	52,386	3/4	67,159	3/4	82,093	3/4	97,086	3/4	112,079	3/4	127,059	3/4	142,037
6	8,141	6	23,152	6	38,107	6	52,688	6	67,470	6	82,405	6	97,398	6	112,391	6	127,371	6	142,349
1/4	8,454	1/4	23,464	1/4	38,412	1/4	52,991	1/4	67,780	1/4	82,718	1/4	97,711	1/4	112,703	1/4	127,683	1/4	142,656
1/2	8,767	1/2	23,777	1/2	38,718	1/2	53,294	1/2	68,091	1/2	83,030	1/2	98,023	1/2	113,015	1/2	127,995	1/2	142,963
3/4	9,080	3/4	24,089	3/4	39,023	3/4	53,597	3/4	68,401	3/4	83,343	3/4	98,336	3/4	113,327	3/4	128,307	3/4	143,271
7	9,393	7	24,402	7	39,328	7	53,899	7	68,712	7	83,656	7	98,648	7	113,639	7	128,619	7	143,578
1/4	9,707	1/4	24,715	1/4	39,634	1/4	54,202	1/4	69,022	1/4	83,968	1/4	98,960	1/4	113,951	1/4	128,931	1/4	143,873
1/2	10,020	1/2	25,027	1/2	39,939	1/2	54,505	1/2	69,333	1/2	84,281	1/2	99,273	1/2	114,263	1/2	129,243	1/2	144,168
3/4	10,333	3/4	25,340	3/4	40,244	3/4	54,808	3/4	69,644	3/4	84,593	3/4	99,585	3/4	114,576	3/4	129,555	3/4	144,463
8	10,646	8	25,653	8	40,549	8	55,110	8	69,954	8	84,906	8	99,898	8	114,888	8	129,867	8	144,758
1/4	10,959	1/4	25,965	1/4	40,855	1/4	55,413	1/4	70,265	1/4	85,218	1/4	100,210	1/4	115,200	1/4	130,179	1/4	145,037
1/2	11,272	1/2	26,278	1/2	41,160	1/2	55,716	1/2	70,575	1/2	85,531	1/2	100,523	1/2	115,512	1/2	130,491	1/2	145,316
3/4	11,585	3/4	26,590	3/4	41,465	3/4	56,019	3/4	70,886	3/4	85,843	3/4	100,835	3/4	115,824	3/4	130,803	3/4	145,595
9	11,897	9	26,903	9	41,771	9	56,321	9	71,197	9	86,156	9	101,148	9	116,136	9	131,115	9	145,873
1/4	12,210	1/4	27,215	1/4	42,076	1/4	56,626	1/4	71,507	1/4	86,469	1/4	101,460	1/4	116,448	1/4	131,428	1/4	146,137
1/2	12,523	1/2	27,528	1/2	42,381	1/2	56,930	1/2	71,818	1/2	86,781	1/2	101,773	1/2	116,760	1/2	131,740	1/2	146,400
3/4	12,835	3/4	27,840	3/4	42,686	3/4	57,234	3/4	72,128	3/4	87,094	3/4	102,085	3/4	117,072	3/4	132,052	3/4	146,663
10	13,148	10	28,153	10	42,992	10	57,539	10	72,439	10	87,406	10	102,398	10	117,384	10	132,364	10	146,926
1/4	13,460	1/4	28,465	1/4	43,297	1/4	57,845	1/4	72,750	1/4	87,719	1/4	102,710	1/4	117,696	1/4	132,676	1/4	147,173
1/2	13,773	1/2	28,777	1/2	43,602	1/2	58,151	1/2	73,060	1/2	88,031	1/2	103,023	1/2	118,008	1/2	132,988	1/2	147,421
3/4	14,086	3/4	29,090	3/4	43,908	3/4	58,457	3/4	73,371	3/4	88,343	3/4	103,335	3/4	118,320	3/4	133,300	3/4	147,668
11	14,398	11	29,402	11	44,213	11	58,762	11	73,681	11	88,656	11	103,648	11	118,632	11	133,612	11	147,916
1/4	14,711	1/4	29,715	1/4	44,516	1/4	59,072	1/4	73,992	1/4	88,968	1/4	103,960	1/4	118,945	1/4	133,924	1/4	148,147
1/2	15,024	1/2	30,027	1/2	44,820	1/2	59,381	1/2	74,303	1/2	89,280	1/2	104,273	1/2	119,257	1/2	134,236	1/2	148,378
3/4	15,336	3/4	30,340	3/4	45,124	3/4	59,690	3/4	74,613	3/4	89,593	3/4	104,585	3/4	119,569	3/4	134,548	3/4	148,610

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 40'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HSM 3023"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	148,841	0	159,233	0	169,604	0	179,946	0	190,273	0		0		0		0		0	
1/4	149,061	1/4	159,450	1/4	169,819	1/4	180,161	1/4	190,466	1/4		1/4		1/4		1/4		1/4	
1/2	149,281	1/2	159,666	1/2	170,035	1/2	180,376	1/2	190,659	1/2		1/2		1/2		1/2		1/2	
3/4	149,500	3/4	159,882	3/4	170,250	3/4	180,592	3/4	190,852	3/4		3/4		3/4		3/4		3/4	
1	149,720	1	160,098	1	170,466	1	180,807	1	191,046	1		1		1		1		1	
1/4	149,936	1/4	160,314	1/4	170,681	1/4	181,023	1/4	191,206	1/4		1/4		1/4		1/4		1/4	
1/2	150,152	1/2	160,531	1/2	170,897	1/2	181,238	1/2	191,365	1/2		1/2		1/2		1/2		1/2	
3/4	150,369	3/4	160,747	3/4	171,112	3/4	181,454	3/4	191,525	3/4		3/4		3/4		3/4		3/4	
2	150,585	2	160,963	2	171,328	2	181,669	2	191,685	2		2		2		2		2	
1/4	150,801	1/4	161,179	1/4	171,543	1/4	181,885	1/4	191,809	1/4		1/4		1/4		1/4		1/4	
1/2	151,017	1/2	161,395	1/2	171,758	1/2	182,100	1/2	191,933	1/2		1/2		1/2		1/2		1/2	
3/4	151,234	3/4	161,612	3/4	171,974	3/4	182,316	3/4	192,056	3/4		3/4		3/4		3/4		3/4	
3	151,450	3	161,828	3	172,189	3	182,531	3	192,180	3		3		3		3		3	
1/4	151,666	1/4	162,044	1/4	172,405	1/4	182,746	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,882	1/2	162,260	1/2	172,620	1/2	182,962	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,098	3/4	162,477	3/4	172,836	3/4	183,177	3/4		3/4		3/4		3/4		3/4		3/4	
4	152,315	4	162,693	4	173,051	4	183,393	4		4		4		4		4		4	
1/4	152,531	1/4	162,909	1/4	173,267	1/4	183,608	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,747	1/2	163,125	1/2	173,482	1/2	183,824	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,963	3/4	163,341	3/4	173,698	3/4	184,039	3/4		3/4		3/4		3/4		3/4		3/4	
5	153,179	5	163,558	5	173,913	5	184,255	5		5		5		5		5		5	
1/4	153,396	1/4	163,774	1/4	174,128	1/4	184,470	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,612	1/2	163,990	1/2	174,344	1/2	184,686	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,828	3/4	164,206	3/4	174,559	3/4	184,901	3/4		3/4		3/4		3/4		3/4		3/4	
6	154,044	6	164,422	6	174,775	6	185,116	6		6		6		6		6		6	
1/4	154,260	1/4	164,639	1/4	174,990	1/4	185,332	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,477	1/2	164,855	1/2	175,206	1/2	185,547	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,693	3/4	165,071	3/4	175,421	3/4	185,763	3/4		3/4		3/4		3/4		3/4		3/4	
7	154,909	7	165,287	7	175,637	7	185,978	7		7		7		7		7		7	
1/4	155,125	1/4	165,504	1/4	175,852	1/4	186,194	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,342	1/2	165,720	1/2	176,067	1/2	186,409	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,558	3/4	165,936	3/4	176,283	3/4	186,625	3/4		3/4		3/4		3/4		3/4		3/4	
8	155,774	8	166,152	8	176,498	8	186,840	8		8		8		8		8		8	
1/4	155,990	1/4	166,368	1/4	176,714	1/4	187,056	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,206	1/2	166,585	1/2	176,929	1/2	187,271	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,423	3/4	166,801	3/4	177,145	3/4	187,487	3/4		3/4		3/4		3/4		3/4		3/4	
9	156,639	9	167,017	9	177,360	9	187,703	9		9		9		9		9		9	
1/4	156,855	1/4	167,233	1/4	177,576	1/4	187,918	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,071	1/2	167,449	1/2	177,791	1/2	188,134	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,287	3/4	167,664	3/4	178,007	3/4	188,349	3/4		3/4		3/4		3/4		3/4		3/4	
10	157,504	10	167,880	10	178,222	10	188,565	10		10		10		10		10		10	
1/4	157,720	1/4	168,096	1/4	178,437	1/4	188,780	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,936	1/2	168,311	1/2	178,653	1/2	188,995	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,152	3/4	168,527	3/4	178,868	3/4	189,210	3/4		3/4		3/4		3/4		3/4		3/4	
11	158,369	11	168,742	11	179,084	11	189,425	11		11		11		11		11		11	
1/4	158,585	1/4	168,958	1/4	179,299	1/4	189,637	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,801	1/2	169,173	1/2	179,515	1/2	189,849	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,017	3/4	169,388	3/4	179,730	3/4	190,061	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/14/2019 CL  
CALCULATED: 10/14/2019 CL  
PRINTED: 10/14/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "HSM 3023"

# 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,029	0	15,654	0	30,679	0	45,688	0	60,711	0	75,736	0	90,762	0	105,787	0	120,795	0	135,801
1/4	1,264	1/4	15,967	1/4	30,992	1/4	46,000	1/4	61,024	1/4	76,049	1/4	91,075	1/4	106,100	1/4	121,108	1/4	136,113
1/2	1,498	1/2	16,280	1/2	31,305	1/2	46,313	1/2	61,337	1/2	76,362	1/2	91,388	1/2	106,413	1/2	121,421	1/2	136,426
3/4	1,733	3/4	16,593	3/4	31,618	3/4	46,626	3/4	61,650	3/4	76,675	3/4	91,701	3/4	106,726	3/4	121,733	3/4	136,738
1	1,968	1	16,906	1	31,931	1	46,939	1	61,963	1	76,989	1	92,014	1	107,039	1	122,046	1	137,051
1/4	2,260	1/4	17,219	1/4	32,244	1/4	47,251	1/4	62,276	1/4	77,302	1/4	92,327	1/4	107,352	1/4	122,358	1/4	137,364
1/2	2,553	1/2	17,532	1/2	32,557	1/2	47,564	1/2	62,589	1/2	77,615	1/2	92,640	1/2	107,665	1/2	122,671	1/2	137,676
3/4	2,846	3/4	17,845	3/4	32,870	3/4	47,877	3/4	62,902	3/4	77,928	3/4	92,953	3/4	107,978	3/4	122,984	3/4	137,989
2	3,138	2	18,158	2	33,183	2	48,190	2	63,215	2	78,241	2	93,266	2	108,290	2	123,296	2	138,301
1/4	3,451	1/4	18,471	1/4	33,496	1/4	48,503	1/4	63,528	1/4	78,554	1/4	93,579	1/4	108,603	1/4	123,609	1/4	138,614
1/2	3,763	1/2	18,784	1/2	33,809	1/2	48,816	1/2	63,841	1/2	78,867	1/2	93,892	1/2	108,916	1/2	123,922	1/2	138,927
3/4	4,075	3/4	19,097	3/4	34,122	3/4	49,129	3/4	64,154	3/4	79,180	3/4	94,205	3/4	109,229	3/4	124,234	3/4	139,239
3	4,387	3	19,410	3	34,435	3	49,442	3	64,467	3	79,493	3	94,518	3	109,541	3	124,547	3	139,552
1/4	4,699	1/4	19,723	1/4	34,748	1/4	49,755	1/4	64,781	1/4	79,806	1/4	94,831	1/4	109,854	1/4	124,859	1/4	139,865
1/2	5,012	1/2	20,036	1/2	35,061	1/2	50,068	1/2	65,094	1/2	80,119	1/2	95,144	1/2	110,167	1/2	125,172	1/2	140,177
3/4	5,325	3/4	20,349	3/4	35,373	3/4	50,381	3/4	65,407	3/4	80,432	3/4	95,457	3/4	110,479	3/4	125,485	3/4	140,490
4	5,638	4	20,662	4	35,686	4	50,694	4	65,720	4	80,745	4	95,770	4	110,792	4	125,797	4	140,802
1/4	5,951	1/4	20,975	1/4	35,999	1/4	51,007	1/4	66,033	1/4	81,058	1/4	96,083	1/4	111,105	1/4	126,110	1/4	141,115
1/2	6,264	1/2	21,288	1/2	36,311	1/2	51,320	1/2	66,346	1/2	81,371	1/2	96,396	1/2	111,417	1/2	126,422	1/2	141,427
3/4	6,577	3/4	21,601	3/4	36,624	3/4	51,633	3/4	66,659	3/4	81,684	3/4	96,709	3/4	111,730	3/4	126,735	3/4	141,740
5	6,890	5	21,914	5	36,936	5	51,946	5	66,972	5	81,997	5	97,022	5	112,042	5	127,048	5	142,053
1/4	7,203	1/4	22,227	1/4	37,249	1/4	52,259	1/4	67,285	1/4	82,310	1/4	97,335	1/4	112,355	1/4	127,360	1/4	142,365
1/2	7,516	1/2	22,540	1/2	37,561	1/2	52,573	1/2	67,598	1/2	82,623	1/2	97,648	1/2	112,668	1/2	127,673	1/2	142,677
3/4	7,829	3/4	22,853	3/4	37,874	3/4	52,886	3/4	67,911	3/4	82,936	3/4	97,961	3/4	112,980	3/4	127,985	3/4	142,989
6	8,142	6	23,166	6	38,186	6	53,199	6	68,224	6	83,249	6	98,274	6	113,293	6	128,298	6	143,302
1/4	8,455	1/4	23,480	1/4	38,499	1/4	53,512	1/4	68,537	1/4	83,562	1/4	98,587	1/4	113,605	1/4	128,611	1/4	143,610
1/2	8,768	1/2	23,793	1/2	38,811	1/2	53,825	1/2	68,850	1/2	83,875	1/2	98,900	1/2	113,918	1/2	128,923	1/2	143,918
3/4	9,081	3/4	24,106	3/4	39,124	3/4	54,138	3/4	69,163	3/4	84,188	3/4	99,213	3/4	114,231	3/4	129,236	3/4	144,225
7	9,394	7	24,419	7	39,437	7	54,451	7	69,476	7	84,501	7	99,526	7	114,543	7	129,548	7	144,533
1/4	9,707	1/4	24,732	1/4	39,749	1/4	54,764	1/4	69,789	1/4	84,814	1/4	99,839	1/4	114,856	1/4	129,861	1/4	144,829
1/2	10,020	1/2	25,045	1/2	40,062	1/2	55,077	1/2	70,102	1/2	85,127	1/2	100,152	1/2	115,168	1/2	130,174	1/2	145,124
3/4	10,333	3/4	25,358	3/4	40,374	3/4	55,390	3/4	70,415	3/4	85,440	3/4	100,465	3/4	115,481	3/4	130,486	3/4	145,420
8	10,646	8	25,671	8	40,687	8	55,703	8	70,728	8	85,753	8	100,778	8	115,794	8	130,799	8	145,715
1/4	10,959	1/4	25,984	1/4	40,999	1/4	56,016	1/4	71,041	1/4	86,066	1/4	101,091	1/4	116,106	1/4	131,112	1/4	145,995
1/2	11,272	1/2	26,297	1/2	41,312	1/2	56,329	1/2	71,354	1/2	86,379	1/2	101,404	1/2	116,419	1/2	131,424	1/2	146,274
3/4	11,585	3/4	26,610	3/4	41,624	3/4	56,642	3/4	71,667	3/4	86,692	3/4	101,718	3/4	116,732	3/4	131,737	3/4	146,553
9	11,898	9	26,923	9	41,937	9	56,955	9	71,980	9	87,005	9	102,031	9	117,044	9	132,049	9	146,833
1/4	12,211	1/4	27,236	1/4	42,249	1/4	57,268	1/4	72,293	1/4	87,318	1/4	102,344	1/4	117,357	1/4	132,362	1/4	147,096
1/2	12,524	1/2	27,549	1/2	42,562	1/2	57,581	1/2	72,606	1/2	87,631	1/2	102,657	1/2	117,669	1/2	132,675	1/2	147,360
3/4	12,837	3/4	27,862	3/4	42,874	3/4	57,894	3/4	72,919	3/4	87,944	3/4	102,970	3/4	117,982	3/4	132,987	3/4	147,623
10	13,150	10	28,175	10	43,187	10	58,207	10	73,232	10	88,257	10	103,283	10	118,295	10	133,300	10	147,886
1/4	13,463	1/4	28,488	1/4	43,499	1/4	58,520	1/4	73,545	1/4	88,570	1/4	103,596	1/4	118,607	1/4	133,612	1/4	148,134
1/2	13,776	1/2	28,801	1/2	43,812	1/2	58,833	1/2	73,858	1/2	88,883	1/2	103,909	1/2	118,920	1/2	133,925	1/2	148,381
3/4	14,089	3/4	29,114	3/4	44,124	3/4	59,146	3/4	74,171	3/4	89,197	3/4	104,222	3/4	119,232	3/4	134,238	3/4	148,629
11	14,402	11	29,427	11	44,437	11	59,459	11	74,484	11	89,510	11	104,535	11	119,545	11	134,550	11	148,876
1/4	14,715	1/4	29,740	1/4	44,750	1/4	59,772	1/4	74,797	1/4	89,823	1/4	104,848	1/4	119,858	1/4	134,863	1/4	149,107
1/2	15,028	1/2	30,053	1/2	45,062	1/2	60,085	1/2	75,110	1/2	90,136	1/2	105,161	1/2	120,170	1/2	135,175	1/2	149,339
3/4	15,341	3/4	30,366	3/4	45,375	3/4	60,398	3/4	75,423	3/4	90,449	3/4	105,474	3/4	120,483	3/4	135,488	3/4	149,570

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH.  
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.  
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 40'-09" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "HSM 3023"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	149,801	0	160,189	0	170,554	0	180,891	0	191,213	0		0		0		0		0	
1/4	150,021	1/4	160,405	1/4	170,770	1/4	181,106	1/4	191,406	1/4		1/4		1/4		1/4		1/4	
1/2	150,241	1/2	160,621	1/2	170,985	1/2	181,321	1/2	191,599	1/2		1/2		1/2		1/2		1/2	
3/4	150,460	3/4	160,837	3/4	171,200	3/4	181,537	3/4	191,792	3/4		3/4		3/4		3/4		3/4	
1	150,680	1	161,053	1	171,416	1	181,752	1	191,986	1		1		1		1		1	
1/4	150,896	1/4	161,269	1/4	171,631	1/4	181,968	1/4	192,145	1/4		1/4		1/4		1/4		1/4	
1/2	151,112	1/2	161,485	1/2	171,846	1/2	182,183	1/2	192,305	1/2		1/2		1/2		1/2		1/2	
3/4	151,328	3/4	161,701	3/4	172,062	3/4	182,398	3/4	192,465	3/4		3/4		3/4		3/4		3/4	
2	151,544	2	161,917	2	172,277	2	182,614	2	192,624	2		2		2		2		2	
1/4	151,760	1/4	162,134	1/4	172,492	1/4	182,829	1/4	192,748	1/4		1/4		1/4		1/4		1/4	
1/2	151,977	1/2	162,350	1/2	172,708	1/2	183,044	1/2	192,872	1/2		1/2		1/2		1/2		1/2	
3/4	152,193	3/4	162,566	3/4	172,923	3/4	183,260	3/4	192,996	3/4		3/4		3/4		3/4		3/4	
3	152,409	3	162,782	3	173,138	3	183,475	3	193,119	3		3		3		3		3	
1/4	152,625	1/4	162,998	1/4	173,354	1/4	183,690	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,841	1/2	163,214	1/2	173,569	1/2	183,906	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,057	3/4	163,430	3/4	173,784	3/4	184,121	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,273	4	163,646	4	174,000	4	184,336	4		4		4		4		4		4	
1/4	153,489	1/4	163,862	1/4	174,215	1/4	184,552	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,705	1/2	164,079	1/2	174,430	1/2	184,767	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,922	3/4	164,295	3/4	174,646	3/4	184,982	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,138	5	164,511	5	174,861	5	185,198	5		5		5		5		5		5	
1/4	154,354	1/4	164,727	1/4	175,076	1/4	185,413	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,570	1/2	164,943	1/2	175,292	1/2	185,628	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,786	3/4	165,159	3/4	175,507	3/4	185,844	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,002	6	165,375	6	175,722	6	186,059	6		6		6		6		6		6	
1/4	155,218	1/4	165,591	1/4	175,938	1/4	186,274	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,434	1/2	165,807	1/2	176,153	1/2	186,490	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,650	3/4	166,024	3/4	176,369	3/4	186,705	3/4		3/4		3/4		3/4		3/4		3/4	
7	155,866	7	166,240	7	176,584	7	186,921	7		7		7		7		7		7	
1/4	156,083	1/4	166,456	1/4	176,799	1/4	187,136	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,299	1/2	166,672	1/2	177,015	1/2	187,351	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,515	3/4	166,888	3/4	177,230	3/4	187,567	3/4		3/4		3/4		3/4		3/4		3/4	
8	156,731	8	167,104	8	177,445	8	187,782	8		8		8		8		8		8	
1/4	156,947	1/4	167,320	1/4	177,661	1/4	187,998	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,163	1/2	167,536	1/2	177,876	1/2	188,213	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,379	3/4	167,752	3/4	178,091	3/4	188,428	3/4		3/4		3/4		3/4		3/4		3/4	
9	157,595	9	167,968	9	178,307	9	188,644	9		9		9		9		9		9	
1/4	157,811	1/4	168,184	1/4	178,522	1/4	188,859	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,028	1/2	168,400	1/2	178,737	1/2	189,075	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,244	3/4	168,616	3/4	178,953	3/4	189,290	3/4		3/4		3/4		3/4		3/4		3/4	
10	158,460	10	168,831	10	179,168	10	189,506	10		10		10		10		10		10	
1/4	158,676	1/4	169,047	1/4	179,383	1/4	189,721	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,892	1/2	169,262	1/2	179,599	1/2	189,936	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,108	3/4	169,477	3/4	179,814	3/4	190,151	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,324	11	169,693	11	180,029	11	190,366	11		11		11		11		11		11	
1/4	159,540	1/4	169,908	1/4	180,245	1/4	190,578	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,756	1/2	170,123	1/2	180,460	1/2	190,789	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,973	3/4	170,339	3/4	180,675	3/4	191,001	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/14/2019 CL  
CALCULATED: 10/14/2019 CL  
PRINTED: 10/14/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "HSM 3023"

## PORT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	96	0	1,251	0	2,406	0	3,560	0	4,715	0		0		0		0		0	
1/4	120	1/4	1,275	1/4	2,430	1/4	3,584	1/4	4,739	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	144	1/2	1,299	1/2	2,454	1/2	3,608	1/2	4,762	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	168	3/4	1,323	3/4	2,478	3/4	3,632	3/4	4,786	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
1	193	1	1,347	1	2,502	1	3,656	1	4,810	1		1		1	1	1	1	1	1
1/4	217	1/4	1,371	1/4	2,526	1/4	3,680	1/4	4,833	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	241	1/2	1,395	1/2	2,550	1/2	3,704	1/2	4,857	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	265	3/4	1,419	3/4	2,574	3/4	3,728	3/4	4,881	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
2	289	2	1,444	2	2,597	2	3,752	2	4,904	2		2		2	2	2	2	2	2
1/4	313	1/4	1,468	1/4	2,622	1/4	3,776	1/4	4,928	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	337	1/2	1,492	1/2	2,646	1/2	3,800	1/2	4,952	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	361	3/4	1,516	3/4	2,670	3/4	3,825	3/4	4,975	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
3	385	3	1,540	3	2,694	3	3,849	3	4,999	3		3		3	3	3	3	3	3
1/4	409	1/4	1,564	1/4	2,718	1/4	3,873	1/4	5,023	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	433	1/2	1,588	1/2	2,742	1/2	3,897	1/2	5,046	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	457	3/4	1,612	3/4	2,766	3/4	3,921	3/4	5,070	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
4	481	4	1,636	4	2,790	4	3,945	4	5,093	4		4		4	4	4	4	4	4
1/4	505	1/4	1,660	1/4	2,814	1/4	3,969	1/4	5,105	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	529	1/2	1,684	1/2	2,838	1/2	3,993	1/2	5,117	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	553	3/4	1,708	3/4	2,862	3/4	4,017	3/4	5,128	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	578	5	1,732	5	2,886	5	4,041	5	5,140	5		5		5	5	5	5	5	5
1/4	602	1/4	1,756	1/4	2,910	1/4	4,065	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	626	1/2	1,780	1/2	2,934	1/2	4,089	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	650	3/4	1,805	3/4	2,958	3/4	4,113	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	674	6	1,829	6	2,982	6	4,137	6		6		6		6	6	6	6	6	6
1/4	698	1/4	1,853	1/4	3,006	1/4	4,161	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	722	1/2	1,877	1/2	3,030	1/2	4,185	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	746	3/4	1,901	3/4	3,054	3/4	4,210	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	770	7	1,925	7	3,079	7	4,234	7		7		7		7	7	7	7	7	7
1/4	794	1/4	1,949	1/4	3,103	1/4	4,258	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	818	1/2	1,973	1/2	3,127	1/2	4,282	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	842	3/4	1,997	3/4	3,151	3/4	4,306	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	866	8	2,021	8	3,175	8	4,330	8		8		8		8	8	8	8	8	8
1/4	890	1/4	2,045	1/4	3,199	1/4	4,354	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	914	1/2	2,069	1/2	3,223	1/2	4,378	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	938	3/4	2,093	3/4	3,247	3/4	4,402	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	963	9	2,117	9	3,271	9	4,426	9		9		9		9	9	9	9	9	9
1/4	987	1/4	2,141	1/4	3,295	1/4	4,450	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,011	1/2	2,165	1/2	3,319	1/2	4,474	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,035	3/4	2,190	3/4	3,343	3/4	4,498	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,059	10	2,214	10	3,367	10	4,522	10		10		10		10	10	10	10	10	10
1/4	1,083	1/4	2,238	1/4	3,391	1/4	4,546	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,107	1/2	2,262	1/2	3,415	1/2	4,570	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,131	3/4	2,286	3/4	3,440	3/4	4,595	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,155	11	2,310	11	3,464	11	4,619	11		11		11		11	11	11	11	11	11
1/4	1,179	1/4	2,334	1/4	3,488	1/4	4,643	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,203	1/2	2,358	1/2	3,512	1/2	4,667	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,227	3/4	2,382	3/4	3,536	3/4	4,691	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT

STRAPPED: 10/14/2019 CL  
CALCULATED: 10/14/2019 CL  
PRINTED: 10/14/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>





# BARGE "HSM 3023"

## STBD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	96	0	1,251	0	2,406	0	3,560	0	4,715	0		0		0		0		0	
1/4	120	1/4	1,275	1/4	2,430	1/4	3,584	1/4	4,739	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	144	1/2	1,299	1/2	2,454	1/2	3,608	1/2	4,762	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	168	3/4	1,323	3/4	2,478	3/4	3,632	3/4	4,786	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
1	193	1	1,347	1	2,502	1	3,656	1	4,810	1		1		1	1	1	1	1	1
1/4	217	1/4	1,371	1/4	2,526	1/4	3,680	1/4	4,833	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	241	1/2	1,395	1/2	2,550	1/2	3,704	1/2	4,857	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	265	3/4	1,419	3/4	2,574	3/4	3,728	3/4	4,881	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
2	289	2	1,444	2	2,597	2	3,752	2	4,904	2		2		2	2	2	2	2	2
1/4	313	1/4	1,468	1/4	2,622	1/4	3,776	1/4	4,928	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	337	1/2	1,492	1/2	2,646	1/2	3,800	1/2	4,952	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	361	3/4	1,516	3/4	2,670	3/4	3,825	3/4	4,975	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
3	385	3	1,540	3	2,694	3	3,849	3	4,999	3		3		3	3	3	3	3	3
1/4	409	1/4	1,564	1/4	2,718	1/4	3,873	1/4	5,023	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	433	1/2	1,588	1/2	2,742	1/2	3,897	1/2	5,046	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	457	3/4	1,612	3/4	2,766	3/4	3,921	3/4	5,070	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
4	481	4	1,636	4	2,790	4	3,945	4	5,093	4		4		4	4	4	4	4	4
1/4	505	1/4	1,660	1/4	2,814	1/4	3,969	1/4	5,105	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	529	1/2	1,684	1/2	2,838	1/2	3,993	1/2	5,117	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	553	3/4	1,708	3/4	2,862	3/4	4,017	3/4	5,128	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	578	5	1,732	5	2,886	5	4,041	5	5,140	5		5		5	5	5	5	5	5
1/4	602	1/4	1,756	1/4	2,910	1/4	4,065	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	626	1/2	1,780	1/2	2,934	1/2	4,089	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	650	3/4	1,805	3/4	2,958	3/4	4,113	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	674	6	1,829	6	2,982	6	4,137	6		6		6		6	6	6	6	6	6
1/4	698	1/4	1,853	1/4	3,006	1/4	4,161	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	722	1/2	1,877	1/2	3,030	1/2	4,185	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	746	3/4	1,901	3/4	3,054	3/4	4,210	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	770	7	1,925	7	3,079	7	4,234	7		7		7		7	7	7	7	7	7
1/4	794	1/4	1,949	1/4	3,103	1/4	4,258	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	818	1/2	1,973	1/2	3,127	1/2	4,282	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	842	3/4	1,997	3/4	3,151	3/4	4,306	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	866	8	2,021	8	3,175	8	4,330	8		8		8		8	8	8	8	8	8
1/4	890	1/4	2,045	1/4	3,199	1/4	4,354	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	914	1/2	2,069	1/2	3,223	1/2	4,378	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	938	3/4	2,093	3/4	3,247	3/4	4,402	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	963	9	2,117	9	3,271	9	4,426	9		9		9		9	9	9	9	9	9
1/4	987	1/4	2,141	1/4	3,295	1/4	4,450	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,011	1/2	2,165	1/2	3,319	1/2	4,474	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,035	3/4	2,190	3/4	3,343	3/4	4,498	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,059	10	2,214	10	3,367	10	4,522	10		10		10		10	10	10	10	10	10
1/4	1,083	1/4	2,238	1/4	3,391	1/4	4,546	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,107	1/2	2,262	1/2	3,415	1/2	4,570	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,131	3/4	2,286	3/4	3,440	3/4	4,595	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,155	11	2,310	11	3,464	11	4,619	11		11		11		11	11	11	11	11	11
1/4	1,179	1/4	2,334	1/4	3,488	1/4	4,643	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,203	1/2	2,358	1/2	3,512	1/2	4,667	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,227	3/4	2,382	3/4	3,536	3/4	4,691	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT

STRAPPED: 10/14/2019 CL  
CALCULATED: 10/14/2019 CL  
PRINTED: 10/14/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>





# BARGE "HSM 3023"

## FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE HEIGHT 4'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	99	0	254	0	406	0		0		0		0		0		0	
1/4	1	1/4	102	1/4	257	1/4	409	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	105	1/2	260	1/2	411	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	108	3/4	264	3/4	414	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	111	1	267	1	417	1		1		1		1		1		1	
1/4	4	1/4	114	1/4	270	1/4	420	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	117	1/2	274	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	120	3/4	277	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	123	2	280	2	428	2		2		2		2		2		2	
1/4	9	1/4	126	1/4	284	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	130	1/2	287	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	133	3/4	290	3/4	435	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	136	3	294	3	438	3		3		3		3		3		3	
1/4	15	1/4	139	1/4	297	1/4	441	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	142	1/2	300	1/2	443	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	145	3/4	303	3/4	445	3/4		3/4		3/4		3/4		3/4		3/4	
4	20	4	148	4	307	4	448	4		4		4		4		4		4	
1/4	22	1/4	152	1/4	310	1/4	450	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	155	1/2	313	1/2	452	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	158	3/4	317	3/4	455	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	161	5	320	5	457	5		5		5		5		5		5	
1/4	30	1/4	164	1/4	323	1/4	459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	32	1/2	168	1/2	326	1/2	461	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	171	3/4	330	3/4	464	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	174	6	333	6	466	6		6		6		6		6		6	
1/4	39	1/4	177	1/4	336	1/4	468	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41	1/2	181	1/2	339	1/2	470	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	184	3/4	342	3/4	472	3/4		3/4		3/4		3/4		3/4		3/4	
7	46	7	187	7	346	7	474	7		7		7		7		7		7	
1/4	48	1/4	190	1/4	349	1/4	475	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	194	1/2	352	1/2	477	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	197	3/4	355	3/4	479	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	200	8	358	8	481	8		8		8		8		8		8	
1/4	58	1/4	204	1/4	361	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	207	1/2	364	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	63	3/4	210	3/4	367	3/4	485	3/4		3/4		3/4		3/4		3/4		3/4	
9	66	9	214	9	370	9	487	9		9		9		9		9		9	
1/4	69	1/4	217	1/4	373	1/4	488	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	71	1/2	220	1/2	376	1/2	489	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	74	3/4	224	3/4	380	3/4	490	3/4		3/4		3/4		3/4		3/4		3/4	
10	77	10	227	10	383	10	491	10		10		10		10		10		10	
1/4	80	1/4	230	1/4	386	1/4	492	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	82	1/2	234	1/2	388	1/2	493	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	85	3/4	237	3/4	391	3/4	493	3/4		3/4		3/4		3/4		3/4		3/4	
11	88	11	240	11	394	11	494	11		11		11		11		11		11	
1/4	91	1/4	244	1/4	397	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	247	1/2	400	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	97	3/4	250	3/4	403	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT

STRAPPED: 10/14/2019 CL  
CALCULATED: 10/14/2019 CL  
PRINTED: 10/14/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>