



# BARGE "HSM 3033"

## 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	00-1/8	- 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 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
3 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
3 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	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 - 00-1/4"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

January 2, 2020

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HSM 3033"

## 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	00-1/8	- 00-1/8	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	00-1/8	- 00-1/8	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"

January 2, 2020

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

<http://www.pmacorp.net>



# BARGE "HSM 3033"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE 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 3033"

## 1 PORT 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	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: 01/02/2020 CL  
CALCULATED: 01/03/2020 CL  
PRINTED: 01/03/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2020

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



# BARGE "HSM 3033"

## 1 STBD 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	28,204	0	43,241	0	58,273	0	73,308	0	88,345	0	103,382	0	118,415	0	133,446
1/4	563	1/4	13,566	1/4	28,518	1/4	43,554	1/4	58,586	1/4	73,621	1/4	88,658	1/4	103,696	1/4	118,728	1/4	133,759
1/2	740	1/2	13,867	1/2	28,831	1/2	43,868	1/2	58,900	1/2	73,934	1/2	88,972	1/2	104,009	1/2	119,041	1/2	134,072
3/4	917	3/4	14,169	3/4	29,144	3/4	44,181	3/4	59,213	3/4	74,248	3/4	89,285	3/4	104,322	3/4	119,354	3/4	134,385
1	1,094	1	14,471	1	29,457	1	44,494	1	59,526	1	74,561	1	89,598	1	104,635	1	119,667	1	134,698
1/4	1,333	1/4	14,776	1/4	29,771	1/4	44,807	1/4	59,839	1/4	74,874	1/4	89,911	1/4	104,949	1/4	119,981	1/4	135,011
1/2	1,572	1/2	15,082	1/2	30,084	1/2	45,121	1/2	60,152	1/2	75,188	1/2	90,225	1/2	105,262	1/2	120,294	1/2	135,324
3/4	1,811	3/4	15,388	3/4	30,397	3/4	45,434	3/4	60,465	3/4	75,501	3/4	90,538	3/4	105,575	3/4	120,607	3/4	135,637
2	2,050	2	15,693	2	30,711	2	45,747	2	60,778	2	75,814	2	90,851	2	105,888	2	120,920	2	135,951
1/4	2,312	1/4	16,002	1/4	31,024	1/4	46,061	1/4	61,091	1/4	76,127	1/4	91,165	1/4	106,202	1/4	121,233	1/4	136,264
1/2	2,574	1/2	16,312	1/2	31,337	1/2	46,374	1/2	61,404	1/2	76,441	1/2	91,478	1/2	106,515	1/2	121,546	1/2	136,577
3/4	2,836	3/4	16,621	3/4	31,650	3/4	46,687	3/4	61,717	3/4	76,754	3/4	91,791	3/4	106,828	3/4	121,859	3/4	136,890
3	3,098	3	16,931	3	31,964	3	47,000	3	62,030	3	77,067	3	92,104	3	107,142	3	122,172	3	137,203
1/4	3,365	1/4	17,243	1/4	32,277	1/4	47,314	1/4	62,343	1/4	77,380	1/4	92,418	1/4	107,455	1/4	122,486	1/4	137,516
1/2	3,632	1/2	17,555	1/2	32,590	1/2	47,627	1/2	62,657	1/2	77,694	1/2	92,731	1/2	107,768	1/2	122,799	1/2	137,829
3/4	3,898	3/4	17,868	3/4	32,903	3/4	47,940	3/4	62,970	3/4	78,007	3/4	93,044	3/4	108,081	3/4	123,112	3/4	138,143
4	4,165	4	18,180	4	33,217	4	48,253	4	63,283	4	78,320	4	93,357	4	108,394	4	123,425	4	138,456
1/4	4,436	1/4	18,493	1/4	33,530	1/4	48,567	1/4	63,596	1/4	78,634	1/4	93,671	1/4	108,708	1/4	123,738	1/4	138,769
1/2	4,707	1/2	18,806	1/2	33,843	1/2	48,880	1/2	63,910	1/2	78,947	1/2	93,984	1/2	109,021	1/2	124,051	1/2	139,082
3/4	4,978	3/4	19,120	3/4	34,156	3/4	49,193	3/4	64,223	3/4	79,260	3/4	94,297	3/4	109,334	3/4	124,364	3/4	139,395
5	5,249	5	19,433	5	34,470	5	49,506	5	64,536	5	79,573	5	94,611	5	109,647	5	124,678	5	139,708
1/4	5,523	1/4	19,746	1/4	34,783	1/4	49,820	1/4	64,849	1/4	79,887	1/4	94,924	1/4	109,960	1/4	124,991	1/4	140,021
1/2	5,798	1/2	20,059	1/2	35,096	1/2	50,133	1/2	65,163	1/2	80,200	1/2	95,237	1/2	110,273	1/2	125,304	1/2	140,335
3/4	6,073	3/4	20,373	3/4	35,409	3/4	50,446	3/4	65,476	3/4	80,513	3/4	95,550	3/4	110,586	3/4	125,617	3/4	140,648
6	6,347	6	20,686	6	35,723	6	50,759	6	65,789	6	80,826	6	95,864	6	110,899	6	125,930	6	140,961
1/4	6,626	1/4	20,999	1/4	36,036	1/4	51,073	1/4	66,103	1/4	81,140	1/4	96,177	1/4	111,213	1/4	126,243	1/4	141,274
1/2	6,904	1/2	21,313	1/2	36,349	1/2	51,386	1/2	66,416	1/2	81,453	1/2	96,490	1/2	111,526	1/2	126,556	1/2	141,587
3/4	7,183	3/4	21,626	3/4	36,663	3/4	51,699	3/4	66,729	3/4	81,766	3/4	96,803	3/4	111,839	3/4	126,870	3/4	141,900
7	7,462	7	21,939	7	36,976	7	52,012	7	67,042	7	82,080	7	97,117	7	112,152	7	127,183	7	142,213
1/4	7,744	1/4	22,252	1/4	37,289	1/4	52,325	1/4	67,356	1/4	82,393	1/4	97,430	1/4	112,465	1/4	127,496	1/4	142,527
1/2	8,026	1/2	22,566	1/2	37,602	1/2	52,639	1/2	67,669	1/2	82,706	1/2	97,743	1/2	112,778	1/2	127,809	1/2	142,840
3/4	8,309	3/4	22,879	3/4	37,916	3/4	52,952	3/4	67,982	3/4	83,019	3/4	98,057	3/4	113,091	3/4	128,122	3/4	143,153
8	8,591	8	23,192	8	38,229	8	53,265	8	68,295	8	83,333	8	98,370	8	113,405	8	128,435	8	143,466
1/4	8,877	1/4	23,505	1/4	38,542	1/4	53,578	1/4	68,609	1/4	83,646	1/4	98,683	1/4	113,718	1/4	128,748	1/4	143,779
1/2	9,164	1/2	23,819	1/2	38,855	1/2	53,891	1/2	68,922	1/2	83,959	1/2	98,996	1/2	114,031	1/2	129,062	1/2	144,092
3/4	9,450	3/4	24,132	3/4	39,169	3/4	54,204	3/4	69,235	3/4	84,272	3/4	99,310	3/4	114,344	3/4	129,375	3/4	144,406
9	9,736	9	24,445	9	39,482	9	54,517	9	69,549	9	84,586	9	99,623	9	114,657	9	129,688	9	144,719
1/4	10,026	1/4	24,758	1/4	39,795	1/4	54,830	1/4	69,862	1/4	84,899	1/4	99,936	1/4	114,970	1/4	130,001	1/4	145,032
1/2	10,317	1/2	25,072	1/2	40,108	1/2	55,143	1/2	70,175	1/2	85,212	1/2	100,250	1/2	115,283	1/2	130,314	1/2	145,345
3/4	10,607	3/4	25,385	3/4	40,422	3/4	55,456	3/4	70,488	3/4	85,526	3/4	100,563	3/4	115,597	3/4	130,627	3/4	145,658
10	10,897	10	25,698	10	40,735	10	55,769	10	70,802	10	85,839	10	100,876	10	115,910	10	130,940	10	145,971
1/4	11,191	1/4	26,012	1/4	41,048	1/4	56,082	1/4	71,115	1/4	86,152	1/4	101,189	1/4	116,223	1/4	131,254	1/4	146,284
1/2	11,485	1/2	26,325	1/2	41,362	1/2	56,395	1/2	71,428	1/2	86,465	1/2	101,503	1/2	116,536	1/2	131,567	1/2	146,598
3/4	11,779	3/4	26,638	3/4	41,675	3/4	56,708	3/4	71,741	3/4	86,779	3/4	101,816	3/4	116,849	3/4	131,880	3/4	146,911
11	12,073	11	26,951	11	41,988	11	57,021	11	72,055	11	87,092	11	102,129	11	117,162	11	132,193	11	147,224
1/4	12,371	1/4	27,265	1/4	42,301	1/4	57,334	1/4	72,368	1/4	87,405	1/4	102,442	1/4	117,475	1/4	132,506	1/4	147,537
1/2	12,668	1/2	27,578	1/2	42,615	1/2	57,647	1/2	72,681	1/2	87,719	1/2	102,756	1/2	117,789	1/2	132,819	1/2	147,850
3/4	12,966	3/4	27,891	3/4	42,928	3/4	57,960	3/4	72,995	3/4	88,032	3/4	103,069	3/4	118,102	3/4	133,132	3/4	148,163

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 3033"

## 1 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	148,476	0	163,507	0	178,529	0	193,516	0	208,431	0		0		0		0		0	
1/4	148,790	1/4	163,820	1/4	178,841	1/4	193,828	1/4	208,711	1/4		1/4		1/4		1/4		1/4	
1/2	149,103	1/2	164,134	1/2	179,154	1/2	194,141	1/2	208,992	1/2		1/2		1/2		1/2		1/2	
3/4	149,416	3/4	164,447	3/4	179,466	3/4	194,453	3/4	209,272	3/4		3/4		3/4		3/4		3/4	
1	149,729	1	164,760	1	179,778	1	194,765	1	209,552	1		1		1		1		1	
1/4	150,042	1/4	165,073	1/4	180,090	1/4	195,077	1/4	209,784	1/4		1/4		1/4		1/4		1/4	
1/2	150,355	1/2	165,386	1/2	180,403	1/2	195,390	1/2	210,016	1/2		1/2		1/2		1/2		1/2	
3/4	150,668	3/4	165,699	3/4	180,715	3/4	195,702	3/4	210,248	3/4		3/4		3/4		3/4		3/4	
2	150,982	2	166,012	2	181,027	2	196,014	2	210,480	2		2		2		2		2	
1/4	151,295	1/4	166,326	1/4	181,339	1/4	196,326	1/4	210,660	1/4		1/4		1/4		1/4		1/4	
1/2	151,608	1/2	166,639	1/2	181,651	1/2	196,639	1/2	210,839	1/2		1/2		1/2		1/2		1/2	
3/4	151,921	3/4	166,952	3/4	181,964	3/4	196,951	3/4	211,019	3/4		3/4		3/4		3/4		3/4	
3	152,234	3	167,265	3	182,276	3	197,263	3	211,199	3		3		3		3		3	
1/4	152,547	1/4	167,578	1/4	182,588	1/4	197,575	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,860	1/2	167,891	1/2	182,900	1/2	197,887	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,174	3/4	168,204	3/4	183,213	3/4	198,200	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,487	4	168,518	4	183,525	4	198,512	4		4		4		4		4		4	
1/4	153,800	1/4	168,831	1/4	183,837	1/4	198,824	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,113	1/2	169,144	1/2	184,149	1/2	199,136	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,426	3/4	169,457	3/4	184,462	3/4	199,449	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,739	5	169,770	5	184,774	5	199,761	5		5		5		5		5		5	
1/4	155,052	1/4	170,083	1/4	185,086	1/4	200,072	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,366	1/2	170,397	1/2	185,398	1/2	200,383	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,679	3/4	170,710	3/4	185,710	3/4	200,694	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,992	6	171,023	6	186,023	6	201,005	6		6		6		6		6		6	
1/4	156,305	1/4	171,336	1/4	186,335	1/4	201,316	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,618	1/2	171,649	1/2	186,647	1/2	201,626	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,931	3/4	171,962	3/4	186,959	3/4	201,936	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,244	7	172,275	7	187,272	7	202,246	7		7		7		7		7		7	
1/4	157,558	1/4	172,589	1/4	187,584	1/4	202,556	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,871	1/2	172,902	1/2	187,896	1/2	202,866	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,184	3/4	173,215	3/4	188,208	3/4	203,176	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,497	8	173,528	8	188,521	8	203,486	8		8		8		8		8		8	
1/4	158,810	1/4	173,841	1/4	188,833	1/4	203,797	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,123	1/2	174,154	1/2	189,145	1/2	204,107	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,436	3/4	174,467	3/4	189,457	3/4	204,417	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,750	9	174,781	9	189,769	9	204,727	9		9		9		9		9		9	
1/4	160,063	1/4	175,093	1/4	190,082	1/4	205,037	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,376	1/2	175,406	1/2	190,394	1/2	205,348	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,689	3/4	175,719	3/4	190,706	3/4	205,658	3/4		3/4		3/4		3/4		3/4		3/4	
10	161,002	10	176,031	10	191,018	10	205,968	10		10		10		10		10		10	
1/4	161,315	1/4	176,343	1/4	191,331	1/4	206,278	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,628	1/2	176,656	1/2	191,643	1/2	206,587	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,942	3/4	176,968	3/4	191,955	3/4	206,897	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,255	11	177,280	11	192,267	11	207,207	11		11		11		11		11		11	
1/4	162,568	1/4	177,592	1/4	192,580	1/4	207,513	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,881	1/2	177,905	1/2	192,892	1/2	207,819	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,194	3/4	178,217	3/4	193,204	3/4	208,125	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2020 CL  
CALCULATED: 01/03/2020 CL  
PRINTED: 01/03/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2020

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



# BARGE "HSM 3033"

## 2 PORT 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	1,033	0	15,712	0	30,791	0	45,498	0	59,999	0	74,868	0	89,949	0	105,031	0	120,106	0	135,180
1/4	1,268	1/4	16,027	1/4	31,105	1/4	45,799	1/4	60,301	1/4	75,182	1/4	90,263	1/4	105,345	1/4	120,420	1/4	135,494
1/2	1,504	1/2	16,341	1/2	31,419	1/2	46,101	1/2	60,604	1/2	75,496	1/2	90,578	1/2	105,659	1/2	120,735	1/2	135,808
3/4	1,739	3/4	16,655	3/4	31,733	3/4	46,402	3/4	60,906	3/4	75,811	3/4	90,892	3/4	105,973	3/4	121,049	3/4	136,122
1	1,975	1	16,969	1	32,048	1	46,704	1	61,208	1	76,125	1	91,206	1	106,287	1	121,363	1	136,436
1/4	2,269	1/4	17,283	1/4	32,362	1/4	47,005	1/4	61,511	1/4	76,439	1/4	91,520	1/4	106,602	1/4	121,677	1/4	136,750
1/2	2,563	1/2	17,597	1/2	32,676	1/2	47,307	1/2	61,813	1/2	76,753	1/2	91,834	1/2	106,916	1/2	121,991	1/2	137,064
3/4	2,856	3/4	17,912	3/4	32,990	3/4	47,608	3/4	62,116	3/4	77,067	3/4	92,149	3/4	107,230	3/4	122,305	3/4	137,378
2	3,150	2	18,226	2	33,304	2	47,910	2	62,418	2	77,382	2	92,463	2	107,544	2	122,619	2	137,692
1/4	3,463	1/4	18,540	1/4	33,619	1/4	48,211	1/4	62,720	1/4	77,696	1/4	92,777	1/4	107,858	1/4	122,933	1/4	138,006
1/2	3,776	1/2	18,854	1/2	33,933	1/2	48,513	1/2	63,023	1/2	78,010	1/2	93,091	1/2	108,172	1/2	123,247	1/2	138,321
3/4	4,090	3/4	19,168	3/4	34,247	3/4	48,814	3/4	63,325	3/4	78,324	3/4	93,405	3/4	108,487	3/4	123,561	3/4	138,635
3	4,403	3	19,483	3	34,561	3	49,116	3	63,628	3	78,638	3	93,720	3	108,801	3	123,875	3	138,949
1/4	4,717	1/4	19,797	1/4	34,875	1/4	49,418	1/4	63,930	1/4	78,953	1/4	94,034	1/4	109,115	1/4	124,189	1/4	139,263
1/2	5,031	1/2	20,111	1/2	35,189	1/2	49,719	1/2	64,233	1/2	79,267	1/2	94,348	1/2	109,429	1/2	124,503	1/2	139,577
3/4	5,345	3/4	20,425	3/4	35,504	3/4	50,021	3/4	64,535	3/4	79,581	3/4	94,662	3/4	109,743	3/4	124,817	3/4	139,891
4	5,659	4	20,739	4	35,818	4	50,323	4	64,837	4	79,895	4	94,976	4	110,057	4	125,131	4	140,205
1/4	5,973	1/4	21,053	1/4	36,126	1/4	50,625	1/4	65,146	1/4	80,209	1/4	95,291	1/4	110,371	1/4	125,445	1/4	140,519
1/2	6,287	1/2	21,368	1/2	36,434	1/2	50,927	1/2	65,454	1/2	80,523	1/2	95,605	1/2	110,685	1/2	125,759	1/2	140,833
3/4	6,601	3/4	21,682	3/4	36,743	3/4	51,229	3/4	65,762	3/4	80,838	3/4	95,919	3/4	110,999	3/4	126,073	3/4	141,147
5	6,915	5	21,996	5	37,051	5	51,531	5	66,071	5	81,152	5	96,233	5	111,313	5	126,387	5	141,461
1/4	7,229	1/4	22,310	1/4	37,353	1/4	51,834	1/4	66,385	1/4	81,466	1/4	96,547	1/4	111,627	1/4	126,701	1/4	141,775
1/2	7,544	1/2	22,624	1/2	37,656	1/2	52,136	1/2	66,699	1/2	81,780	1/2	96,862	1/2	111,942	1/2	127,015	1/2	142,089
3/4	7,858	3/4	22,939	3/4	37,958	3/4	52,438	3/4	67,013	3/4	82,094	3/4	97,176	3/4	112,256	3/4	127,329	3/4	142,403
6	8,172	6	23,253	6	38,261	6	52,741	6	67,327	6	82,409	6	97,490	6	112,570	6	127,643	6	142,717
1/4	8,486	1/4	23,567	1/4	38,563	1/4	53,043	1/4	67,642	1/4	82,723	1/4	97,804	1/4	112,884	1/4	127,957	1/4	143,031
1/2	8,800	1/2	23,881	1/2	38,864	1/2	53,346	1/2	67,956	1/2	83,037	1/2	98,118	1/2	113,198	1/2	128,271	1/2	143,345
3/4	9,115	3/4	24,195	3/4	39,166	3/4	53,648	3/4	68,270	3/4	83,351	3/4	98,432	3/4	113,512	3/4	128,585	3/4	143,659
7	9,429	7	24,510	7	39,468	7	53,950	7	68,584	7	83,665	7	98,747	7	113,826	7	128,899	7	143,973
1/4	9,743	1/4	24,824	1/4	39,770	1/4	54,253	1/4	68,898	1/4	83,980	1/4	99,061	1/4	114,140	1/4	129,213	1/4	144,287
1/2	10,057	1/2	25,138	1/2	40,071	1/2	54,555	1/2	69,213	1/2	84,294	1/2	99,375	1/2	114,454	1/2	129,528	1/2	144,601
3/4	10,371	3/4	25,452	3/4	40,373	3/4	54,858	3/4	69,527	3/4	84,608	3/4	99,689	3/4	114,768	3/4	129,842	3/4	144,915
8	10,685	8	25,766	8	40,674	8	55,160	8	69,841	8	84,922	8	100,003	8	115,082	8	130,156	8	145,229
1/4	11,000	1/4	26,080	1/4	40,976	1/4	55,463	1/4	70,155	1/4	85,236	1/4	100,318	1/4	115,396	1/4	130,470	1/4	145,543
1/2	11,314	1/2	26,394	1/2	41,277	1/2	55,765	1/2	70,469	1/2	85,551	1/2	100,632	1/2	115,710	1/2	130,784	1/2	145,857
3/4	11,628	3/4	26,709	3/4	41,579	3/4	56,067	3/4	70,783	3/4	85,865	3/4	100,946	3/4	116,024	3/4	131,098	3/4	146,171
9	11,942	9	27,023	9	41,880	9	56,370	9	71,098	9	86,179	9	101,260	9	116,338	9	131,412	9	146,485
1/4	12,256	1/4	27,337	1/4	42,182	1/4	56,672	1/4	71,412	1/4	86,493	1/4	101,574	1/4	116,652	1/4	131,726	1/4	146,799
1/2	12,571	1/2	27,651	1/2	42,483	1/2	56,975	1/2	71,726	1/2	86,807	1/2	101,889	1/2	116,966	1/2	132,040	1/2	147,114
3/4	12,885	3/4	27,965	3/4	42,785	3/4	57,277	3/4	72,040	3/4	87,122	3/4	102,203	3/4	117,280	3/4	132,354	3/4	147,428
10	13,199	10	28,279	10	43,086	10	57,579	10	72,354	10	87,436	10	102,517	10	117,594	10	132,668	10	147,742
1/4	13,513	1/4	28,593	1/4	43,388	1/4	57,882	1/4	72,669	1/4	87,750	1/4	102,831	1/4	117,908	1/4	132,982	1/4	148,056
1/2	13,827	1/2	28,906	1/2	43,689	1/2	58,184	1/2	72,983	1/2	88,064	1/2	103,145	1/2	118,222	1/2	133,296	1/2	148,370
3/4	14,141	3/4	29,220	3/4	43,991	3/4	58,487	3/4	73,297	3/4	88,378	3/4	103,460	3/4	118,536	3/4	133,610	3/4	148,684
11	14,456	11	29,534	11	44,292	11	58,789	11	73,611	11	88,693	11	103,774	11	118,850	11	133,924	11	148,998
1/4	14,770	1/4	29,849	1/4	44,593	1/4	59,091	1/4	73,925	1/4	89,007	1/4	104,088	1/4	119,164	1/4	134,238	1/4	149,312
1/2	15,084	1/2	30,163	1/2	44,895	1/2	59,394	1/2	74,240	1/2	89,321	1/2	104,402	1/2	119,478	1/2	134,552	1/2	149,626
3/4	15,398	3/4	30,477	3/4	45,196	3/4	59,696	3/4	74,554	3/4	89,635	3/4	104,716	3/4	119,792	3/4	134,866	3/4	149,940

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 3033"

## 2 PORT 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	150,254	0	165,328	0	180,391	0	195,413	0	210,339	0		0		0		0		0	
1/4	150,568	1/4	165,642	1/4	180,704	1/4	195,726	1/4	210,619	1/4		1/4		1/4		1/4		1/4	
1/2	150,882	1/2	165,956	1/2	181,017	1/2	196,039	1/2	210,899	1/2		1/2		1/2		1/2		1/2	
3/4	151,196	3/4	166,270	3/4	181,330	3/4	196,352	3/4	211,179	3/4		3/4		3/4		3/4		3/4	
1	151,510	1	166,584	1	181,642	1	196,665	1	211,459	1		1		1		1		1	
1/4	151,824	1/4	166,898	1/4	181,955	1/4	196,978	1/4	211,690	1/4		1/4		1/4		1/4		1/4	
1/2	152,138	1/2	167,212	1/2	182,268	1/2	197,291	1/2	211,922	1/2		1/2		1/2		1/2		1/2	
3/4	152,452	3/4	167,526	3/4	182,581	3/4	197,604	3/4	212,153	3/4		3/4		3/4		3/4		3/4	
2	152,766	2	167,840	2	182,894	2	197,917	2	212,385	2		2		2		2		2	
1/4	153,080	1/4	168,154	1/4	183,207	1/4	198,230	1/4	212,564	1/4		1/4		1/4		1/4		1/4	
1/2	153,394	1/2	168,468	1/2	183,520	1/2	198,543	1/2	212,743	1/2		1/2		1/2		1/2		1/2	
3/4	153,708	3/4	168,782	3/4	183,833	3/4	198,856	3/4	212,922	3/4		3/4		3/4		3/4		3/4	
3	154,022	3	169,096	3	184,146	3	199,169	3	213,101	3		3		3		3		3	
1/4	154,336	1/4	169,410	1/4	184,459	1/4	199,482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,650	1/2	169,724	1/2	184,772	1/2	199,795	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,964	3/4	170,038	3/4	185,085	3/4	200,108	3/4		3/4		3/4		3/4		3/4		3/4	
4	155,278	4	170,352	4	185,398	4	200,421	4		4		4		4		4		4	
1/4	155,592	1/4	170,666	1/4	185,711	1/4	200,734	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,907	1/2	170,980	1/2	186,024	1/2	201,047	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,221	3/4	171,294	3/4	186,337	3/4	201,360	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,535	5	171,608	5	186,650	5	201,673	5		5		5		5		5		5	
1/4	156,849	1/4	171,922	1/4	186,963	1/4	201,984	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,163	1/2	172,236	1/2	187,276	1/2	202,295	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,477	3/4	172,550	3/4	187,589	3/4	202,607	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,791	6	172,864	6	187,902	6	202,918	6		6		6		6		6		6	
1/4	158,105	1/4	173,178	1/4	188,215	1/4	203,228	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,419	1/2	173,492	1/2	188,528	1/2	203,538	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,733	3/4	173,807	3/4	188,841	3/4	203,848	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,047	7	174,121	7	189,154	7	204,158	7		7		7		7		7		7	
1/4	159,361	1/4	174,435	1/4	189,467	1/4	204,468	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,675	1/2	174,749	1/2	189,780	1/2	204,778	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,989	3/4	175,063	3/4	190,093	3/4	205,088	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,303	8	175,377	8	190,406	8	205,397	8		8		8		8		8		8	
1/4	160,617	1/4	175,691	1/4	190,719	1/4	205,708	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,931	1/2	176,005	1/2	191,032	1/2	206,018	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,245	3/4	176,319	3/4	191,345	3/4	206,328	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,559	9	176,633	9	191,658	9	206,638	9		9		9		9		9		9	
1/4	161,873	1/4	176,946	1/4	191,970	1/4	206,948	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,187	1/2	177,260	1/2	192,283	1/2	207,257	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,501	3/4	177,573	3/4	192,596	3/4	207,567	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,815	10	177,887	10	192,909	10	207,877	10		10		10		10		10		10	
1/4	163,129	1/4	178,200	1/4	193,222	1/4	208,187	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,443	1/2	178,513	1/2	193,535	1/2	208,496	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,757	3/4	178,826	3/4	193,848	3/4	208,806	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,071	11	179,139	11	194,161	11	209,115	11		11		11		11		11		11	
1/4	164,385	1/4	179,452	1/4	194,474	1/4	209,421	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,699	1/2	179,765	1/2	194,787	1/2	209,727	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,014	3/4	180,078	3/4	195,100	3/4	210,033	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2020 CL  
CALCULATED: 01/03/2020 CL  
PRINTED: 01/03/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2020

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





# BARGE "HSM 3033"

## 2 STBD 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	1,033	0	15,717	0	30,799	0	45,864	0	60,934	0	76,019	0	91,104	0	106,189	0	121,268	0	136,345
1/4	1,269	1/4	16,031	1/4	31,114	1/4	46,177	1/4	61,248	1/4	76,333	1/4	91,418	1/4	106,503	1/4	121,582	1/4	136,660
1/2	1,504	1/2	16,345	1/2	31,428	1/2	46,490	1/2	61,562	1/2	76,647	1/2	91,732	1/2	106,817	1/2	121,896	1/2	136,974
3/4	1,740	3/4	16,660	3/4	31,742	3/4	46,804	3/4	61,877	3/4	76,961	3/4	92,046	3/4	107,131	3/4	122,210	3/4	137,288
1	1,976	1	16,974	1	32,056	1	47,117	1	62,191	1	77,276	1	92,361	1	107,446	1	122,525	1	137,602
1/4	2,270	1/4	17,288	1/4	32,371	1/4	47,430	1/4	62,505	1/4	77,590	1/4	92,675	1/4	107,760	1/4	122,839	1/4	137,916
1/2	2,563	1/2	17,602	1/2	32,685	1/2	47,744	1/2	62,819	1/2	77,904	1/2	92,989	1/2	108,074	1/2	123,153	1/2	138,230
3/4	2,857	3/4	17,917	3/4	32,999	3/4	48,057	3/4	63,134	3/4	78,219	3/4	93,303	3/4	108,388	3/4	123,467	3/4	138,544
2	3,151	2	18,231	2	33,313	2	48,370	2	63,448	2	78,533	2	93,618	2	108,703	2	123,781	2	138,858
1/4	3,464	1/4	18,545	1/4	33,628	1/4	48,684	1/4	63,762	1/4	78,847	1/4	93,932	1/4	109,017	1/4	124,095	1/4	139,172
1/2	3,778	1/2	18,859	1/2	33,942	1/2	48,997	1/2	64,076	1/2	79,161	1/2	94,246	1/2	109,331	1/2	124,409	1/2	139,487
3/4	4,091	3/4	19,174	3/4	34,256	3/4	49,311	3/4	64,391	3/4	79,476	3/4	94,561	3/4	109,645	3/4	124,723	3/4	139,801
3	4,404	3	19,488	3	34,571	3	49,624	3	64,705	3	79,790	3	94,875	3	109,960	3	125,037	3	140,115
1/4	4,718	1/4	19,802	1/4	34,885	1/4	49,938	1/4	65,019	1/4	80,104	1/4	95,189	1/4	110,274	1/4	125,352	1/4	140,429
1/2	5,032	1/2	20,117	1/2	35,199	1/2	50,251	1/2	65,334	1/2	80,418	1/2	95,503	1/2	110,588	1/2	125,666	1/2	140,743
3/4	5,346	3/4	20,431	3/4	35,513	3/4	50,565	3/4	65,648	3/4	80,733	3/4	95,818	3/4	110,902	3/4	125,980	3/4	141,057
4	5,660	4	20,745	4	35,828	4	50,879	4	65,962	4	81,047	4	96,132	4	111,217	4	126,294	4	141,371
1/4	5,975	1/4	21,059	1/4	36,142	1/4	51,192	1/4	66,276	1/4	81,361	1/4	96,446	1/4	111,531	1/4	126,608	1/4	141,685
1/2	6,289	1/2	21,374	1/2	36,456	1/2	51,506	1/2	66,591	1/2	81,676	1/2	96,760	1/2	111,845	1/2	126,922	1/2	141,999
3/4	6,603	3/4	21,688	3/4	36,770	3/4	51,820	3/4	66,905	3/4	81,990	3/4	97,075	3/4	112,159	3/4	127,236	3/4	142,314
5	6,917	5	22,002	5	37,085	5	52,134	5	67,219	5	82,304	5	97,389	5	112,473	5	127,550	5	142,628
1/4	7,232	1/4	22,316	1/4	37,399	1/4	52,448	1/4	67,533	1/4	82,618	1/4	97,703	1/4	112,787	1/4	127,864	1/4	142,942
1/2	7,546	1/2	22,631	1/2	37,713	1/2	52,763	1/2	67,848	1/2	82,933	1/2	98,018	1/2	113,101	1/2	128,179	1/2	143,256
3/4	7,860	3/4	22,945	3/4	38,028	3/4	53,077	3/4	68,162	3/4	83,247	3/4	98,332	3/4	113,415	3/4	128,493	3/4	143,570
6	8,174	6	23,259	6	38,342	6	53,391	6	68,476	6	83,561	6	98,646	6	113,729	6	128,807	6	143,884
1/4	8,489	1/4	23,573	1/4	38,656	1/4	53,706	1/4	68,790	1/4	83,875	1/4	98,960	1/4	114,044	1/4	129,121	1/4	144,198
1/2	8,803	1/2	23,888	1/2	38,969	1/2	54,020	1/2	69,105	1/2	84,190	1/2	99,275	1/2	114,358	1/2	129,435	1/2	144,512
3/4	9,117	3/4	24,202	3/4	39,283	3/4	54,334	3/4	69,419	3/4	84,504	3/4	99,589	3/4	114,672	3/4	129,749	3/4	144,826
7	9,431	7	24,516	7	39,597	7	54,648	7	69,733	7	84,818	7	99,903	7	114,986	7	130,063	7	145,141
1/4	9,746	1/4	24,831	1/4	39,910	1/4	54,963	1/4	70,048	1/4	85,132	1/4	100,217	1/4	115,300	1/4	130,377	1/4	145,455
1/2	10,060	1/2	25,145	1/2	40,224	1/2	55,277	1/2	70,362	1/2	85,447	1/2	100,532	1/2	115,614	1/2	130,691	1/2	145,769
3/4	10,374	3/4	25,459	3/4	40,537	3/4	55,591	3/4	70,676	3/4	85,761	3/4	100,846	3/4	115,928	3/4	131,006	3/4	146,083
8	10,688	8	25,773	8	40,850	8	55,905	8	70,990	8	86,075	8	101,160	8	116,242	8	131,320	8	146,397
1/4	11,003	1/4	26,088	1/4	41,164	1/4	56,220	1/4	71,305	1/4	86,390	1/4	101,474	1/4	116,556	1/4	131,634	1/4	146,711
1/2	11,317	1/2	26,402	1/2	41,477	1/2	56,534	1/2	71,619	1/2	86,704	1/2	101,789	1/2	116,871	1/2	131,948	1/2	147,025
3/4	11,631	3/4	26,716	3/4	41,790	3/4	56,848	3/4	71,933	3/4	87,018	3/4	102,103	3/4	117,185	3/4	132,262	3/4	147,339
9	11,946	9	27,030	9	42,104	9	57,163	9	72,247	9	87,332	9	102,417	9	117,499	9	132,576	9	147,653
1/4	12,260	1/4	27,344	1/4	42,417	1/4	57,477	1/4	72,562	1/4	87,647	1/4	102,732	1/4	117,813	1/4	132,890	1/4	147,968
1/2	12,574	1/2	27,658	1/2	42,730	1/2	57,791	1/2	72,876	1/2	87,961	1/2	103,046	1/2	118,127	1/2	133,204	1/2	148,282
3/4	12,888	3/4	27,972	3/4	43,044	3/4	58,105	3/4	73,190	3/4	88,275	3/4	103,360	3/4	118,441	3/4	133,518	3/4	148,596
10	13,203	10	28,286	10	43,357	10	58,420	10	73,505	10	88,589	10	103,674	10	118,755	10	133,833	10	148,910
1/4	13,517	1/4	28,600	1/4	43,670	1/4	58,734	1/4	73,819	1/4	88,904	1/4	103,989	1/4	119,069	1/4	134,147	1/4	149,224
1/2	13,831	1/2	28,914	1/2	43,984	1/2	59,048	1/2	74,133	1/2	89,218	1/2	104,303	1/2	119,383	1/2	134,461	1/2	149,538
3/4	14,145	3/4	29,228	3/4	44,297	3/4	59,362	3/4	74,447	3/4	89,532	3/4	104,617	3/4	119,698	3/4	134,775	3/4	149,852
11	14,460	11	29,543	11	44,610	11	59,677	11	74,762	11	89,847	11	104,931	11	120,012	11	135,089	11	150,166
1/4	14,774	1/4	29,857	1/4	44,924	1/4	59,991	1/4	75,076	1/4	90,161	1/4	105,246	1/4	120,326	1/4	135,403	1/4	150,480
1/2	15,088	1/2	30,171	1/2	45,237	1/2	60,305	1/2	75,390	1/2	90,475	1/2	105,560	1/2	120,640	1/2	135,717	1/2	150,795
3/4	15,402	3/4	30,485	3/4	45,550	3/4	60,619	3/4	75,704	3/4	90,789	3/4	105,874	3/4	120,954	3/4	136,031	3/4	151,109

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 3033"

## 2 STBD 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	151,423	0	166,500	0	181,567	0	196,593	0	211,522	0		0		0		0		0	
1/4	151,737	1/4	166,814	1/4	181,880	1/4	196,906	1/4	211,802	1/4		1/4		1/4		1/4		1/4	
1/2	152,051	1/2	167,128	1/2	182,193	1/2	197,219	1/2	212,083	1/2		1/2		1/2		1/2		1/2	
3/4	152,365	3/4	167,443	3/4	182,506	3/4	197,532	3/4	212,363	3/4		3/4		3/4		3/4		3/4	
1	152,679	1	167,757	1	182,819	1	197,845	1	212,643	1		1		1		1		1	
1/4	152,993	1/4	168,071	1/4	183,132	1/4	198,158	1/4	212,874	1/4		1/4		1/4		1/4		1/4	
1/2	153,307	1/2	168,385	1/2	183,445	1/2	198,471	1/2	213,106	1/2		1/2		1/2		1/2		1/2	
3/4	153,622	3/4	168,699	3/4	183,758	3/4	198,784	3/4	213,337	3/4		3/4		3/4		3/4		3/4	
2	153,936	2	169,013	2	184,071	2	199,097	2	213,569	2		2		2		2		2	
1/4	154,250	1/4	169,327	1/4	184,384	1/4	199,410	1/4	213,748	1/4		1/4		1/4		1/4		1/4	
1/2	154,564	1/2	169,641	1/2	184,697	1/2	199,724	1/2	213,927	1/2		1/2		1/2		1/2		1/2	
3/4	154,878	3/4	169,955	3/4	185,010	3/4	200,037	3/4	214,106	3/4		3/4		3/4		3/4		3/4	
3	155,192	3	170,270	3	185,323	3	200,350	3	214,286	3		3		3		3		3	
1/4	155,506	1/4	170,584	1/4	185,636	1/4	200,663	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,820	1/2	170,898	1/2	185,950	1/2	200,976	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,134	3/4	171,212	3/4	186,263	3/4	201,289	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,449	4	171,526	4	186,576	4	201,602	4		4		4		4		4		4	
1/4	156,763	1/4	171,840	1/4	186,889	1/4	201,915	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,077	1/2	172,154	1/2	187,202	1/2	202,228	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,391	3/4	172,468	3/4	187,515	3/4	202,541	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,705	5	172,782	5	187,828	5	202,854	5		5		5		5		5		5	
1/4	158,019	1/4	173,097	1/4	188,141	1/4	203,165	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,333	1/2	173,411	1/2	188,454	1/2	203,477	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,647	3/4	173,725	3/4	188,767	3/4	203,788	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,961	6	174,039	6	189,080	6	204,100	6		6		6		6		6		6	
1/4	159,276	1/4	174,353	1/4	189,393	1/4	204,410	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,590	1/2	174,667	1/2	189,706	1/2	204,720	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,904	3/4	174,981	3/4	190,019	3/4	205,030	3/4		3/4		3/4		3/4		3/4		3/4	
7	160,218	7	175,295	7	190,332	7	205,340	7		7		7		7		7		7	
1/4	160,532	1/4	175,609	1/4	190,645	1/4	205,650	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,846	1/2	175,924	1/2	190,958	1/2	205,960	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,160	3/4	176,238	3/4	191,271	3/4	206,270	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,474	8	176,552	8	191,584	8	206,580	8		8		8		8		8		8	
1/4	161,788	1/4	176,866	1/4	191,897	1/4	206,890	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,103	1/2	177,180	1/2	192,210	1/2	207,200	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,417	3/4	177,494	3/4	192,523	3/4	207,510	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,731	9	177,808	9	192,837	9	207,820	9		9		9		9		9		9	
1/4	163,045	1/4	178,122	1/4	193,150	1/4	208,130	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,359	1/2	178,435	1/2	193,463	1/2	208,440	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,673	3/4	178,749	3/4	193,776	3/4	208,750	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,987	10	179,062	10	194,089	10	209,060	10		10		10		10		10		10	
1/4	164,301	1/4	179,376	1/4	194,402	1/4	209,370	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,615	1/2	179,689	1/2	194,715	1/2	209,680	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,930	3/4	180,002	3/4	195,028	3/4	209,989	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,244	11	180,315	11	195,341	11	210,299	11		11		11		11		11		11	
1/4	165,558	1/4	180,628	1/4	195,654	1/4	210,605	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,872	1/2	180,941	1/2	195,967	1/2	210,911	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,186	3/4	181,254	3/4	196,280	3/4	211,216	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2020 CL  
CALCULATED: 01/03/2020 CL  
PRINTED: 01/03/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2020

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



# BARGE "HSM 3033"

# 3 PORT 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	1,028	0	15,630	0	30,615	0	45,371	0	59,925	0	74,831	0	89,794	0	104,769	0	119,733	0	134,694
1/4	1,262	1/4	15,942	1/4	30,927	1/4	45,673	1/4	60,237	1/4	75,142	1/4	90,106	1/4	105,081	1/4	120,045	1/4	135,006
1/2	1,497	1/2	16,254	1/2	31,239	1/2	45,975	1/2	60,549	1/2	75,452	1/2	90,418	1/2	105,393	1/2	120,357	1/2	135,318
3/4	1,731	3/4	16,566	3/4	31,551	3/4	46,276	3/4	60,861	3/4	75,762	3/4	90,730	3/4	105,705	3/4	120,668	3/4	135,629
1	1,966	1	16,878	1	31,864	1	46,578	1	61,172	1	76,072	1	91,042	1	106,017	1	120,980	1	135,941
1/4	2,258	1/4	17,191	1/4	32,176	1/4	46,880	1/4	61,484	1/4	76,382	1/4	91,353	1/4	106,329	1/4	121,292	1/4	136,253
1/2	2,551	1/2	17,503	1/2	32,488	1/2	47,182	1/2	61,796	1/2	76,693	1/2	91,665	1/2	106,641	1/2	121,603	1/2	136,565
3/4	2,843	3/4	17,815	3/4	32,800	3/4	47,484	3/4	62,108	3/4	77,003	3/4	91,977	3/4	106,953	3/4	121,915	3/4	136,876
2	3,135	2	18,127	2	33,113	2	47,786	2	62,420	2	77,313	2	92,289	2	107,265	2	122,227	2	137,188
1/4	3,447	1/4	18,440	1/4	33,425	1/4	48,088	1/4	62,731	1/4	77,624	1/4	92,601	1/4	107,577	1/4	122,538	1/4	137,500
1/2	3,759	1/2	18,752	1/2	33,737	1/2	48,390	1/2	63,042	1/2	77,935	1/2	92,913	1/2	107,889	1/2	122,850	1/2	137,811
3/4	4,071	3/4	19,064	3/4	34,049	3/4	48,693	3/4	63,353	3/4	78,247	3/4	93,224	3/4	108,200	3/4	123,162	3/4	138,123
3	4,382	3	19,376	3	34,361	3	48,995	3	63,664	3	78,558	3	93,536	3	108,512	3	123,473	3	138,435
1/4	4,695	1/4	19,689	1/4	34,673	1/4	49,298	1/4	63,974	1/4	78,870	1/4	93,848	1/4	108,824	1/4	123,785	1/4	138,746
1/2	5,007	1/2	20,001	1/2	34,985	1/2	49,600	1/2	64,284	1/2	79,182	1/2	94,160	1/2	109,136	1/2	124,097	1/2	139,058
3/4	5,320	3/4	20,313	3/4	35,297	3/4	49,902	3/4	64,595	3/4	79,494	3/4	94,472	3/4	109,447	3/4	124,409	3/4	139,370
4	5,632	4	20,625	4	35,608	4	50,205	4	64,905	4	79,807	4	94,784	4	109,759	4	124,720	4	139,681
1/4	5,944	1/4	20,938	1/4	35,916	1/4	50,507	1/4	65,215	1/4	80,119	1/4	95,096	1/4	110,071	1/4	125,032	1/4	139,993
1/2	6,257	1/2	21,250	1/2	36,224	1/2	50,809	1/2	65,525	1/2	80,431	1/2	95,407	1/2	110,382	1/2	125,344	1/2	140,305
3/4	6,569	3/4	21,562	3/4	36,533	3/4	51,112	3/4	65,835	3/4	80,743	3/4	95,719	3/4	110,694	3/4	125,655	3/4	140,616
5	6,882	5	21,874	5	36,841	5	51,414	5	66,146	5	81,055	5	96,031	5	111,006	5	125,967	5	140,928
1/4	7,194	1/4	22,186	1/4	37,146	1/4	51,716	1/4	66,456	1/4	81,367	1/4	96,343	1/4	111,318	1/4	126,279	1/4	141,239
1/2	7,507	1/2	22,499	1/2	37,450	1/2	52,019	1/2	66,766	1/2	81,680	1/2	96,655	1/2	111,629	1/2	126,590	1/2	141,551
3/4	7,819	3/4	22,811	3/4	37,755	3/4	52,321	3/4	67,076	3/4	81,992	3/4	96,967	3/4	111,941	3/4	126,902	3/4	141,862
6	8,131	6	23,123	6	38,060	6	52,624	6	67,386	6	82,304	6	97,279	6	112,253	6	127,214	6	142,173
1/4	8,444	1/4	23,435	1/4	38,365	1/4	52,926	1/4	67,697	1/4	82,616	1/4	97,591	1/4	112,564	1/4	127,525	1/4	142,480
1/2	8,757	1/2	23,748	1/2	38,670	1/2	53,228	1/2	68,007	1/2	82,928	1/2	97,903	1/2	112,876	1/2	127,837	1/2	142,787
3/4	9,069	3/4	24,060	3/4	38,975	3/4	53,531	3/4	68,317	3/4	83,240	3/4	98,215	3/4	113,188	3/4	128,149	3/4	143,094
7	9,382	7	24,372	7	39,280	7	53,833	7	68,627	7	83,553	7	98,527	7	113,499	7	128,461	7	143,401
1/4	9,695	1/4	24,684	1/4	39,585	1/4	54,135	1/4	68,938	1/4	83,865	1/4	98,839	1/4	113,811	1/4	128,772	1/4	143,696
1/2	10,007	1/2	24,997	1/2	39,890	1/2	54,438	1/2	69,248	1/2	84,177	1/2	99,151	1/2	114,123	1/2	129,084	1/2	143,991
3/4	10,320	3/4	25,309	3/4	40,195	3/4	54,740	3/4	69,558	3/4	84,489	3/4	99,463	3/4	114,434	3/4	129,396	3/4	144,285
8	10,633	8	25,621	8	40,499	8	55,043	8	69,868	8	84,801	8	99,775	8	114,746	8	129,707	8	144,580
1/4	10,945	1/4	25,933	1/4	40,804	1/4	55,345	1/4	70,178	1/4	85,113	1/4	100,087	1/4	115,058	1/4	130,019	1/4	144,858
1/2	11,258	1/2	26,245	1/2	41,109	1/2	55,647	1/2	70,489	1/2	85,426	1/2	100,399	1/2	115,370	1/2	130,331	1/2	145,137
3/4	11,570	3/4	26,558	3/4	41,414	3/4	55,950	3/4	70,799	3/4	85,738	3/4	100,711	3/4	115,681	3/4	130,642	3/4	145,415
9	11,883	9	26,870	9	41,719	9	56,252	9	71,109	9	86,050	9	101,023	9	115,993	9	130,954	9	145,694
1/4	12,195	1/4	27,182	1/4	42,024	1/4	56,556	1/4	71,419	1/4	86,362	1/4	101,335	1/4	116,305	1/4	131,266	1/4	145,957
1/2	12,507	1/2	27,494	1/2	42,329	1/2	56,860	1/2	71,729	1/2	86,674	1/2	101,648	1/2	116,616	1/2	131,577	1/2	146,219
3/4	12,819	3/4	27,806	3/4	42,634	3/4	57,164	3/4	72,040	3/4	86,986	3/4	101,960	3/4	116,928	3/4	131,889	3/4	146,482
10	13,132	10	28,118	10	42,939	10	57,468	10	72,350	10	87,298	10	102,272	10	117,240	10	132,201	10	146,745
1/4	13,444	1/4	28,430	1/4	43,244	1/4	57,773	1/4	72,660	1/4	87,611	1/4	102,584	1/4	117,551	1/4	132,513	1/4	146,992
1/2	13,756	1/2	28,742	1/2	43,549	1/2	58,079	1/2	72,970	1/2	87,923	1/2	102,896	1/2	117,863	1/2	132,824	1/2	147,239
3/4	14,068	3/4	29,054	3/4	43,853	3/4	58,385	3/4	73,280	3/4	88,235	3/4	103,208	3/4	118,175	3/4	133,136	3/4	147,487
11	14,381	11	29,366	11	44,158	11	58,690	11	73,591	11	88,547	11	103,520	11	118,486	11	133,448	11	147,734
1/4	14,693	1/4	29,678	1/4	44,462	1/4	58,999	1/4	73,901	1/4	88,859	1/4	103,832	1/4	118,798	1/4	133,759	1/4	147,965
1/2	15,005	1/2	29,990	1/2	44,765	1/2	59,308	1/2	74,211	1/2	89,170	1/2	104,144	1/2	119,110	1/2	134,071	1/2	148,196
3/4	15,317	3/4	30,303	3/4	45,068	3/4	59,616	3/4	74,521	3/4	89,482	3/4	104,457	3/4	119,422	3/4	134,383	3/4	148,427

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 3033"

## 3 PORT 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	148,658	0	159,037	0	169,395	0	179,724	0	190,038	0		0		0		0		0	
1/4	148,877	1/4	159,253	1/4	169,610	1/4	179,939	1/4	190,232	1/4		1/4		1/4		1/4		1/4	
1/2	149,097	1/2	159,469	1/2	169,826	1/2	180,154	1/2	190,425	1/2		1/2		1/2		1/2		1/2	
3/4	149,316	3/4	159,685	3/4	170,041	3/4	180,370	3/4	190,618	3/4		3/4		3/4		3/4		3/4	
1	149,536	1	159,901	1	170,256	1	180,585	1	190,811	1		1		1		1		1	
1/4	149,752	1/4	160,117	1/4	170,471	1/4	180,800	1/4	190,970	1/4		1/4		1/4		1/4		1/4	
1/2	149,968	1/2	160,333	1/2	170,686	1/2	181,015	1/2	191,130	1/2		1/2		1/2		1/2		1/2	
3/4	150,184	3/4	160,549	3/4	170,901	3/4	181,230	3/4	191,289	3/4		3/4		3/4		3/4		3/4	
2	150,400	2	160,765	2	171,117	2	181,446	2	191,449	2		2		2		2		2	
1/4	150,615	1/4	160,981	1/4	171,332	1/4	181,661	1/4	191,573	1/4		1/4		1/4		1/4		1/4	
1/2	150,831	1/2	161,197	1/2	171,547	1/2	181,876	1/2	191,696	1/2		1/2		1/2		1/2		1/2	
3/4	151,047	3/4	161,413	3/4	171,762	3/4	182,091	3/4	191,820	3/4		3/4		3/4		3/4		3/4	
3	151,263	3	161,629	3	171,977	3	182,306	3	191,943	3		3		3		3		3	
1/4	151,479	1/4	161,845	1/4	172,193	1/4	182,521	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,695	1/2	162,061	1/2	172,408	1/2	182,737	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	151,911	3/4	162,277	3/4	172,623	3/4	182,952	3/4		3/4		3/4		3/4		3/4		3/4	
4	152,127	4	162,492	4	172,838	4	183,167	4		4		4		4		4		4	
1/4	152,343	1/4	162,708	1/4	173,053	1/4	183,382	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,559	1/2	162,924	1/2	173,268	1/2	183,597	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,775	3/4	163,140	3/4	173,484	3/4	183,813	3/4		3/4		3/4		3/4		3/4		3/4	
5	152,991	5	163,356	5	173,699	5	184,028	5		5		5		5		5		5	
1/4	153,207	1/4	163,572	1/4	173,914	1/4	184,243	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,423	1/2	163,788	1/2	174,129	1/2	184,458	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,639	3/4	164,004	3/4	174,344	3/4	184,673	3/4		3/4		3/4		3/4		3/4		3/4	
6	153,855	6	164,220	6	174,560	6	184,889	6		6		6		6		6		6	
1/4	154,071	1/4	164,436	1/4	174,775	1/4	185,104	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,287	1/2	164,652	1/2	174,990	1/2	185,319	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,502	3/4	164,868	3/4	175,205	3/4	185,534	3/4		3/4		3/4		3/4		3/4		3/4	
7	154,718	7	165,084	7	175,420	7	185,749	7		7		7		7		7		7	
1/4	154,934	1/4	165,300	1/4	175,636	1/4	185,965	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,150	1/2	165,516	1/2	175,851	1/2	186,180	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,366	3/4	165,732	3/4	176,066	3/4	186,395	3/4		3/4		3/4		3/4		3/4		3/4	
8	155,582	8	165,948	8	176,281	8	186,610	8		8		8		8		8		8	
1/4	155,798	1/4	166,164	1/4	176,496	1/4	186,826	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,014	1/2	166,380	1/2	176,711	1/2	187,041	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,230	3/4	166,595	3/4	176,927	3/4	187,256	3/4		3/4		3/4		3/4		3/4		3/4	
9	156,446	9	166,811	9	177,142	9	187,471	9		9		9		9		9		9	
1/4	156,662	1/4	167,027	1/4	177,357	1/4	187,687	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,878	1/2	167,243	1/2	177,572	1/2	187,902	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,094	3/4	167,458	3/4	177,787	3/4	188,117	3/4		3/4		3/4		3/4		3/4		3/4	
10	157,310	10	167,674	10	178,003	10	188,332	10		10		10		10		10		10	
1/4	157,526	1/4	167,889	1/4	178,218	1/4	188,547	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,742	1/2	168,104	1/2	178,433	1/2	188,762	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,958	3/4	168,319	3/4	178,648	3/4	188,977	3/4		3/4		3/4		3/4		3/4		3/4	
11	158,174	11	168,534	11	178,863	11	189,192	11		11		11		11		11		11	
1/4	158,390	1/4	168,750	1/4	179,079	1/4	189,404	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,605	1/2	168,965	1/2	179,294	1/2	189,615	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,821	3/4	169,180	3/4	179,509	3/4	189,827	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2020 CL  
CALCULATED: 01/03/2020 CL  
PRINTED: 01/03/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2020

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



# BARGE "HSM 3033"

## 3 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	1,028	0	15,635	0	30,641	0	45,631	0	60,636	0	75,643	0	90,650	0	105,657	0	120,647	0	135,633
1/4	1,262	1/4	15,947	1/4	30,954	1/4	45,944	1/4	60,949	1/4	75,956	1/4	90,962	1/4	105,969	1/4	120,959	1/4	135,946
1/2	1,496	1/2	16,260	1/2	31,266	1/2	46,256	1/2	61,262	1/2	76,268	1/2	91,275	1/2	106,282	1/2	121,271	1/2	136,258
3/4	1,731	3/4	16,573	3/4	31,579	3/4	46,568	3/4	61,574	3/4	76,581	3/4	91,588	3/4	106,594	3/4	121,583	3/4	136,570
1	1,965	1	16,885	1	31,892	1	46,881	1	61,887	1	76,894	1	91,900	1	106,907	1	121,896	1	136,882
1/4	2,258	1/4	17,198	1/4	32,204	1/4	47,193	1/4	62,200	1/4	77,206	1/4	92,213	1/4	107,220	1/4	122,208	1/4	137,194
1/2	2,550	1/2	17,511	1/2	32,517	1/2	47,506	1/2	62,512	1/2	77,519	1/2	92,526	1/2	107,532	1/2	122,520	1/2	137,507
3/4	2,842	3/4	17,823	3/4	32,829	3/4	47,818	3/4	62,825	3/4	77,832	3/4	92,838	3/4	107,845	3/4	122,832	3/4	137,819
2	3,135	2	18,136	2	33,142	2	48,131	2	63,138	2	78,144	2	93,151	2	108,157	2	123,144	2	138,131
1/4	3,446	1/4	18,448	1/4	33,455	1/4	48,443	1/4	63,450	1/4	78,457	1/4	93,464	1/4	108,469	1/4	123,457	1/4	138,443
1/2	3,758	1/2	18,761	1/2	33,767	1/2	48,756	1/2	63,763	1/2	78,770	1/2	93,776	1/2	108,782	1/2	123,769	1/2	138,756
3/4	4,070	3/4	19,074	3/4	34,080	3/4	49,069	3/4	64,075	3/4	79,082	3/4	94,089	3/4	109,094	3/4	124,081	3/4	139,068
3	4,381	3	19,386	3	34,393	3	49,381	3	64,388	3	79,395	3	94,402	3	109,406	3	124,393	3	139,380
1/4	4,694	1/4	19,699	1/4	34,705	1/4	49,694	1/4	64,701	1/4	79,707	1/4	94,714	1/4	109,719	1/4	124,706	1/4	139,692
1/2	5,006	1/2	20,012	1/2	35,017	1/2	50,007	1/2	65,013	1/2	80,020	1/2	95,027	1/2	110,031	1/2	125,018	1/2	140,005
3/4	5,318	3/4	20,324	3/4	35,330	3/4	50,319	3/4	65,326	3/4	80,333	3/4	95,339	3/4	110,343	3/4	125,330	3/4	140,317
4	5,631	4	20,637	4	35,642	4	50,632	4	65,639	4	80,645	4	95,652	4	110,656	4	125,642	4	140,629
1/4	5,943	1/4	20,950	1/4	35,954	1/4	50,945	1/4	65,951	1/4	80,958	1/4	95,965	1/4	110,968	1/4	125,954	1/4	140,941
1/2	6,256	1/2	21,262	1/2	36,266	1/2	51,257	1/2	66,264	1/2	81,271	1/2	96,277	1/2	111,280	1/2	126,267	1/2	141,253
3/4	6,569	3/4	21,575	3/4	36,579	3/4	51,570	3/4	66,577	3/4	81,583	3/4	96,590	3/4	111,592	3/4	126,579	3/4	141,565
5	6,881	5	21,887	5	36,891	5	51,882	5	66,889	5	81,896	5	96,903	5	111,904	5	126,891	5	141,878
1/4	7,194	1/4	22,200	1/4	37,203	1/4	52,195	1/4	67,202	1/4	82,209	1/4	97,215	1/4	112,217	1/4	127,203	1/4	142,189
1/2	7,506	1/2	22,513	1/2	37,515	1/2	52,508	1/2	67,514	1/2	82,521	1/2	97,528	1/2	112,529	1/2	127,516	1/2	142,501
3/4	7,819	3/4	22,825	3/4	37,827	3/4	52,820	3/4	67,827	3/4	82,834	3/4	97,841	3/4	112,841	3/4	127,828	3/4	142,813
6	8,132	6	23,138	6	38,139	6	53,133	6	68,140	6	83,146	6	98,153	6	113,153	6	128,140	6	143,125
1/4	8,444	1/4	23,451	1/4	38,451	1/4	53,446	1/4	68,452	1/4	83,459	1/4	98,466	1/4	113,466	1/4	128,452	1/4	143,433
1/2	8,757	1/2	23,763	1/2	38,764	1/2	53,758	1/2	68,765	1/2	83,772	1/2	98,778	1/2	113,778	1/2	128,764	1/2	143,740
3/4	9,070	3/4	24,076	3/4	39,076	3/4	54,071	3/4	69,078	3/4	84,084	3/4	99,091	3/4	114,090	3/4	129,077	3/4	144,048
7	9,382	7	24,388	7	39,388	7	54,384	7	69,390	7	84,397	7	99,404	7	114,402	7	129,389	7	144,355
1/4	9,695	1/4	24,701	1/4	39,700	1/4	54,696	1/4	69,703	1/4	84,710	1/4	99,716	1/4	114,714	1/4	129,701	1/4	144,650
1/2	10,007	1/2	25,014	1/2	40,012	1/2	55,009	1/2	70,016	1/2	85,022	1/2	100,029	1/2	115,027	1/2	130,013	1/2	144,945
3/4	10,320	3/4	25,326	3/4	40,324	3/4	55,322	3/4	70,328	3/4	85,335	3/4	100,342	3/4	115,339	3/4	130,326	3/4	145,241
8	10,633	8	25,639	8	40,637	8	55,634	8	70,641	8	85,648	8	100,654	8	115,651	8	130,638	8	145,536
1/4	10,945	1/4	25,952	1/4	40,949	1/4	55,947	1/4	70,954	1/4	85,960	1/4	100,967	1/4	115,963	1/4	130,950	1/4	145,815
1/2	11,258	1/2	26,264	1/2	41,261	1/2	56,259	1/2	71,266	1/2	86,273	1/2	101,280	1/2	116,276	1/2	131,262	1/2	146,094
3/4	11,571	3/4	26,577	3/4	41,573	3/4	56,572	3/4	71,579	3/4	86,586	3/4	101,592	3/4	116,588	3/4	131,574	3/4	146,373
9	11,883	9	26,890	9	41,885	9	56,885	9	71,891	9	86,898	9	101,905	9	116,900	9	131,887	9	146,652
1/4	12,196	1/4	27,202	1/4	42,197	1/4	57,197	1/4	72,204	1/4	87,211	1/4	102,218	1/4	117,212	1/4	132,199	1/4	146,915
1/2	12,509	1/2	27,515	1/2	42,509	1/2	57,510	1/2	72,517	1/2	87,523	1/2	102,530	1/2	117,524	1/2	132,511	1/2	147,178
3/4	12,821	3/4	27,827	3/4	42,822	3/4	57,823	3/4	72,829	3/4	87,836	3/4	102,843	3/4	117,837	3/4	132,823	3/4	147,441
10	13,134	10	28,140	10	43,134	10	58,135	10	73,142	10	88,149	10	103,155	10	118,149	10	133,136	10	147,704
1/4	13,446	1/4	28,453	1/4	43,446	1/4	58,448	1/4	73,455	1/4	88,461	1/4	103,468	1/4	118,461	1/4	133,448	1/4	147,951
1/2	13,759	1/2	28,765	1/2	43,758	1/2	58,761	1/2	73,767	1/2	88,774	1/2	103,781	1/2	118,773	1/2	133,760	1/2	148,199
3/4	14,072	3/4	29,078	3/4	44,070	3/4	59,073	3/4	74,080	3/4	89,087	3/4	104,093	3/4	119,086	3/4	134,072	3/4	148,446
11	14,384	11	29,391	11	44,382	11	59,386	11	74,393	11	89,399	11	104,406	11	119,398	11	134,384	11	148,693
1/4	14,697	1/4	29,703	1/4	44,695	1/4	59,698	1/4	74,705	1/4	89,712	1/4	104,719	1/4	119,710	1/4	134,697	1/4	148,924
1/2	15,010	1/2	30,016	1/2	45,007	1/2	60,011	1/2	75,018	1/2	90,025	1/2	105,031	1/2	120,022	1/2	135,009	1/2	149,155
3/4	15,322	3/4	30,328	3/4	45,319	3/4	60,324	3/4	75,330	3/4	90,337	3/4	105,344	3/4	120,334	3/4	135,321	3/4	149,386

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

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



# BARGE "HSM 3033"

## 3 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	149,617	0	159,991	0	170,344	0	180,668	0	190,977	0		0		0		0		0	
1/4	149,836	1/4	160,207	1/4	170,559	1/4	180,883	1/4	191,170	1/4		1/4		1/4		1/4		1/4	
1/2	150,056	1/2	160,423	1/2	170,774	1/2	181,098	1/2	191,363	1/2		1/2		1/2		1/2		1/2	
3/4	150,275	3/4	160,639	3/4	170,989	3/4	181,313	3/4	191,556	3/4		3/4		3/4		3/4		3/4	
1	150,494	1	160,855	1	171,204	1	181,528	1	191,749	1		1		1		1		1	
1/4	150,710	1/4	161,071	1/4	171,420	1/4	181,743	1/4	191,909	1/4		1/4		1/4		1/4		1/4	
1/2	150,926	1/2	161,286	1/2	171,635	1/2	181,958	1/2	192,068	1/2		1/2		1/2		1/2		1/2	
3/4	151,142	3/4	161,502	3/4	171,850	3/4	182,174	3/4	192,228	3/4		3/4		3/4		3/4		3/4	
2	151,358	2	161,718	2	172,065	2	182,389	2	192,387	2		2		2		2		2	
1/4	151,574	1/4	161,934	1/4	172,280	1/4	182,604	1/4	192,511	1/4		1/4		1/4		1/4		1/4	
1/2	151,789	1/2	162,150	1/2	172,495	1/2	182,819	1/2	192,634	1/2		1/2		1/2		1/2		1/2	
3/4	152,005	3/4	162,366	3/4	172,710	3/4	183,034	3/4	192,758	3/4		3/4		3/4		3/4		3/4	
3	152,221	3	162,581	3	172,925	3	183,249	3	192,881	3		3		3		3		3	
1/4	152,437	1/4	162,797	1/4	173,140	1/4	183,464	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,653	1/2	163,013	1/2	173,355	1/2	183,679	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,869	3/4	163,229	3/4	173,570	3/4	183,894	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,084	4	163,445	4	173,785	4	184,109	4		4		4		4		4		4	
1/4	153,300	1/4	163,661	1/4	174,000	1/4	184,324	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,516	1/2	163,876	1/2	174,216	1/2	184,539	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,732	3/4	164,092	3/4	174,431	3/4	184,755	3/4		3/4		3/4		3/4		3/4		3/4	
5	153,948	5	164,308	5	174,646	5	184,970	5		5		5		5		5		5	
1/4	154,164	1/4	164,524	1/4	174,861	1/4	185,185	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,379	1/2	164,740	1/2	175,076	1/2	185,400	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,595	3/4	164,956	3/4	175,291	3/4	185,615	3/4		3/4		3/4		3/4		3/4		3/4	
6	154,811	6	165,172	6	175,506	6	185,830	6		6		6		6		6		6	
1/4	155,027	1/4	165,387	1/4	175,721	1/4	186,045	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,243	1/2	165,603	1/2	175,936	1/2	186,260	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,459	3/4	165,819	3/4	176,151	3/4	186,475	3/4		3/4		3/4		3/4		3/4		3/4	
7	155,675	7	166,035	7	176,366	7	186,690	7		7		7		7		7		7	
1/4	155,890	1/4	166,251	1/4	176,581	1/4	186,905	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,106	1/2	166,467	1/2	176,797	1/2	187,121	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,322	3/4	166,682	3/4	177,012	3/4	187,336	3/4		3/4		3/4		3/4		3/4		3/4	
8	156,538	8	166,898	8	177,227	8	187,551	8		8		8		8		8		8	
1/4	156,754	1/4	167,114	1/4	177,442	1/4	187,766	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,970	1/2	167,330	1/2	177,657	1/2	187,981	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,185	3/4	167,546	3/4	177,872	3/4	188,196	3/4		3/4		3/4		3/4		3/4		3/4	
9	157,401	9	167,762	9	178,087	9	188,412	9		9		9		9		9		9	
1/4	157,617	1/4	167,977	1/4	178,302	1/4	188,627	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,833	1/2	168,193	1/2	178,517	1/2	188,842	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,049	3/4	168,408	3/4	178,732	3/4	189,057	3/4		3/4		3/4		3/4		3/4		3/4	
10	158,265	10	168,623	10	178,947	10	189,272	10		10		10		10		10		10	
1/4	158,480	1/4	168,839	1/4	179,162	1/4	189,487	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,696	1/2	169,054	1/2	179,378	1/2	189,702	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,912	3/4	169,269	3/4	179,593	3/4	189,917	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,128	11	169,484	11	179,808	11	190,131	11		11		11		11		11		11	
1/4	159,344	1/4	169,699	1/4	180,023	1/4	190,343	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,560	1/2	169,914	1/2	180,238	1/2	190,554	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,775	3/4	170,129	3/4	180,453	3/4	190,766	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2020 CL  
CALCULATED: 01/03/2020 CL  
PRINTED: 01/03/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2020

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



# BARGE "HSM 3033"

## PORT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE 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: 01/02/2020 CL  
CALCULATED: 01/03/2020 CL  
PRINTED: 01/03/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2020

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



# BARGE "HSM 3033"

## 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
1/2	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
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
1	193	1	1,347	1	2,502	1	3,656	1	4,810	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
1/2	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
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
2	289	2	1,444	2	2,597	2	3,752	2	4,904	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
1/2	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
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	385	3	1,540	3	2,694	3	3,849	3	4,999	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
1/2	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
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
4	481	4	1,636	4	2,790	4	3,945	4	5,093	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
1/2	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
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
5	578	5	1,732	5	2,886	5	4,041	5	5,140	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
1/2	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
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
6	674	6	1,829	6	2,982	6	4,137	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
1/2	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
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
7	770	7	1,925	7	3,079	7	4,234	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
1/2	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
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
8	866	8	2,021	8	3,175	8	4,330	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
1/2	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
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
9	963	9	2,117	9	3,271	9	4,426	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
1/2	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
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
10	1,059	10	2,214	10	3,367	10	4,522	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
1/2	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
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
11	1,155	11	2,310	11	3,464	11	4,619	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
1/2	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
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

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: 01/02/2020 CL  
CALCULATED: 01/03/2020 CL  
PRINTED: 01/03/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2020

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





# BARGE "HSM 3033"

## 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: 01/02/2020 CL  
CALCULATED: 01/03/2020 CL  
PRINTED: 01/03/2020 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2020

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