



# BARGE "HSM 3020"

## 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"

September 24, 2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HSM 3020"

## 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	00-1/4	- 00-1/4	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	00-3/8	- 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"

September 24, 2019

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

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 Pearland, Texas 77588

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# BARGE "HSM 3020"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 7/8"

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	148,574	0	163,609	0	178,634	0	193,625	0	208,527	0		0		0		0		0	
1/4	148,888	1/4	163,922	1/4	178,946	1/4	193,937	1/4	208,808	1/4		1/4		1/4		1/4		1/4	
1/2	149,201	1/2	164,236	1/2	179,259	1/2	194,250	1/2	209,088	1/2		1/2		1/2		1/2		1/2	
3/4	149,514	3/4	164,549	3/4	179,571	3/4	194,562	3/4	209,368	3/4		3/4		3/4		3/4		3/4	
1	149,827	1	164,862	1	179,883	1	194,874	1	209,625	1		1		1		1		1	
1/4	150,141	1/4	165,175	1/4	180,196	1/4	195,186	1/4	209,857	1/4		1/4		1/4		1/4		1/4	
1/2	150,454	1/2	165,488	1/2	180,508	1/2	195,499	1/2	210,089	1/2		1/2		1/2		1/2		1/2	
3/4	150,767	3/4	165,802	3/4	180,820	3/4	195,811	3/4	210,321	3/4		3/4		3/4		3/4		3/4	
2	151,080	2	166,115	2	181,133	2	196,123	2	210,526	2		2		2		2		2	
1/4	151,393	1/4	166,428	1/4	181,445	1/4	196,436	1/4	210,706	1/4		1/4		1/4		1/4		1/4	
1/2	151,707	1/2	166,741	1/2	181,757	1/2	196,748	1/2	210,886	1/2		1/2		1/2		1/2		1/2	
3/4	152,020	3/4	167,055	3/4	182,069	3/4	197,060	3/4	211,066	3/4		3/4		3/4		3/4		3/4	
3	152,333	3	167,368	3	182,382	3	197,373	278	211,155	3		3		3		3		3	
1/4	152,646	1/4	167,681	1/4	182,694	1/4	197,685	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,960	1/2	167,994	1/2	183,006	1/2	197,997	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,273	3/4	168,307	3/4	183,319	3/4	198,310	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,586	4	168,621	4	183,631	4	198,622	4		4		4		4		4		4	
1/4	153,899	1/4	168,934	1/4	183,943	1/4	198,934	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,212	1/2	169,247	1/2	184,256	1/2	199,246	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,526	3/4	169,560	3/4	184,568	3/4	199,559	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,839	5	169,874	5	184,880	5	199,871	5		5		5		5		5		5	
1/4	155,152	1/4	170,187	1/4	185,193	1/4	200,182	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,465	1/2	170,500	1/2	185,505	1/2	200,493	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,779	3/4	170,813	3/4	185,817	3/4	200,804	3/4		3/4		3/4		3/4		3/4		3/4	
6	156,092	6	171,126	6	186,129	6	201,115	6		6		6		6		6		6	
1/4	156,405	1/4	171,440	1/4	186,442	1/4	201,425	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,718	1/2	171,753	1/2	186,754	1/2	201,735	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,031	3/4	172,066	3/4	187,066	3/4	202,045	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,345	7	172,379	7	187,379	7	202,356	7		7		7		7		7		7	
1/4	157,658	1/4	172,693	1/4	187,691	1/4	202,666	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,971	1/2	173,006	1/2	188,003	1/2	202,976	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,284	3/4	173,319	3/4	188,316	3/4	203,286	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,598	8	173,632	8	188,628	8	203,597	8		8		8		8		8		8	
1/4	158,911	1/4	173,945	1/4	188,940	1/4	203,907	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,224	1/2	174,259	1/2	189,253	1/2	204,217	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,537	3/4	174,572	3/4	189,565	3/4	204,527	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,850	9	174,885	9	189,877	9	204,838	9		9		9		9		9		9	
1/4	160,164	1/4	175,198	1/4	190,189	1/4	205,148	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,477	1/2	175,510	1/2	190,502	1/2	205,458	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,790	3/4	175,823	3/4	190,814	3/4	205,768	3/4		3/4		3/4		3/4		3/4		3/4	
10	161,103	10	176,136	10	191,126	10	206,078	10		10		10		10		10		10	
1/4	161,417	1/4	176,448	1/4	191,439	1/4	206,388	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,730	1/2	176,760	1/2	191,751	1/2	206,698	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,043	3/4	177,073	3/4	192,063	3/4	207,008	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,356	11	177,385	11	192,376	11	207,316	11		11		11		11		11		11	
1/4	162,669	1/4	177,697	1/4	192,688	1/4	207,622	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,983	1/2	178,009	1/2	193,000	1/2	207,928	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,296	3/4	178,322	3/4	193,313	3/4	208,234	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/23/2019 CL  
CALCULATED: 09/24/2019 CL  
REPRINTED: 10/10/2019 SW

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 3020"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/8"

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	148,597	0	163,624	0	178,642	0	193,625	0	208,520	0		0		0		0		0	
1/4	148,910	1/4	163,937	1/4	178,954	1/4	193,937	1/4	208,801	1/4		1/4		1/4		1/4		1/4	
1/2	149,223	1/2	164,250	1/2	179,266	1/2	194,250	1/2	209,081	1/2		1/2		1/2		1/2		1/2	
3/4	149,536	3/4	164,563	3/4	179,578	3/4	194,562	3/4	209,361	3/4		3/4		3/4		3/4		3/4	
1	149,849	1	164,876	1	179,890	1	194,874	1	209,617	1		1		1		1		1	
1/4	150,162	1/4	165,189	1/4	180,203	1/4	195,186	1/4	209,849	1/4		1/4		1/4		1/4		1/4	
1/2	150,475	1/2	165,503	1/2	180,515	1/2	195,498	1/2	210,081	1/2		1/2		1/2		1/2		1/2	
3/4	150,788	3/4	165,816	3/4	180,827	3/4	195,810	3/4	210,313	3/4		3/4		3/4		3/4		3/4	
2	151,101	2	166,129	2	181,139	2	196,123	2	210,519	2		2		2		2		2	
1/4	151,414	1/4	166,442	1/4	181,451	1/4	196,435	1/4	210,698	1/4		1/4		1/4		1/4		1/4	
1/2	151,728	1/2	166,755	1/2	181,763	1/2	196,747	1/2	210,878	1/2		1/2		1/2		1/2		1/2	
3/4	152,041	3/4	167,068	3/4	182,076	3/4	197,059	3/4	211,057	3/4		3/4		3/4		3/4		3/4	
3	152,354	3	167,381	3	182,388	3	197,371	278	211,147	3		3		3		3		3	
1/4	152,667	1/4	167,694	1/4	182,700	1/4	197,683	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,980	1/2	168,007	1/2	183,012	1/2	197,995	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,293	3/4	168,320	3/4	183,324	3/4	198,308	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,606	4	168,633	4	183,636	4	198,620	4		4		4		4		4		4	
1/4	153,919	1/4	168,946	1/4	183,948	1/4	198,932	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,232	1/2	169,259	1/2	184,261	1/2	199,244	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,545	3/4	169,572	3/4	184,573	3/4	199,556	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,858	5	169,886	5	184,885	5	199,868	5		5		5		5		5		5	
1/4	155,171	1/4	170,199	1/4	185,197	1/4	200,179	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,484	1/2	170,512	1/2	185,509	1/2	200,490	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,797	3/4	170,825	3/4	185,821	3/4	200,801	3/4		3/4		3/4		3/4		3/4		3/4	
6	156,110	6	171,138	6	186,134	6	201,112	6		6		6		6		6		6	
1/4	156,424	1/4	171,451	1/4	186,446	1/4	201,422	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,737	1/2	171,764	1/2	186,758	1/2	201,732	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,050	3/4	172,077	3/4	187,070	3/4	202,042	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,363	7	172,390	7	187,382	7	202,352	7		7		7		7		7		7	
1/4	157,676	1/4	172,703	1/4	187,694	1/4	202,662	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,989	1/2	173,016	1/2	188,006	1/2	202,972	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,302	3/4	173,329	3/4	188,319	3/4	203,282	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,615	8	173,642	8	188,631	8	203,592	8		8		8		8		8		8	
1/4	158,928	1/4	173,955	1/4	188,943	1/4	203,902	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,241	1/2	174,268	1/2	189,255	1/2	204,212	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,554	3/4	174,582	3/4	189,567	3/4	204,523	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,867	9	174,894	9	189,879	9	204,833	9		9		9		9		9		9	
1/4	160,180	1/4	175,207	1/4	190,192	1/4	205,143	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,493	1/2	175,520	1/2	190,504	1/2	205,453	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,807	3/4	175,832	3/4	190,816	3/4	205,763	3/4		3/4		3/4		3/4		3/4		3/4	
10	161,120	10	176,145	10	191,128	10	206,073	10		10		10		10		10		10	
1/4	161,433	1/4	176,457	1/4	191,440	1/4	206,382	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,746	1/2	176,769	1/2	191,752	1/2	206,692	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,059	3/4	177,081	3/4	192,064	3/4	207,002	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,372	11	177,393	11	192,377	11	207,309	11		11		11		11		11		11	
1/4	162,685	1/4	177,705	1/4	192,689	1/4	207,615	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,998	1/2	178,018	1/2	193,001	1/2	207,921	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,311	3/4	178,330	3/4	193,313	3/4	208,227	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/23/2019 CL  
CALCULATED: 09/24/2019 CL  
REPRINTED: 10/10/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

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# BARGE "HSM 3020"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/8"

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	150,429	0	165,505	0	180,569	0	195,593	0	210,504	0		0		0		0		0	
1/4	150,743	1/4	165,819	1/4	180,882	1/4	195,906	1/4	210,784	1/4		1/4		1/4		1/4		1/4	
1/2	151,057	1/2	166,133	1/2	181,195	1/2	196,219	1/2	211,064	1/2		1/2		1/2		1/2		1/2	
3/4	151,371	3/4	166,447	3/4	181,508	3/4	196,532	3/4	211,344	3/4		3/4		3/4		3/4		3/4	
1	151,685	1	166,761	1	181,821	1	196,845	1	211,600	1		1		1		1		1	
1/4	151,999	1/4	167,075	1/4	182,134	1/4	197,158	1/4	211,832	1/4		1/4		1/4		1/4		1/4	
1/2	152,314	1/2	167,389	1/2	182,447	1/2	197,471	1/2	212,063	1/2		1/2		1/2		1/2		1/2	
3/4	152,628	3/4	167,703	3/4	182,760	3/4	197,784	3/4	212,295	3/4		3/4		3/4		3/4		3/4	
2	152,942	2	168,017	2	183,073	2	198,097	2	212,500	2		2		2		2		2	
1/4	153,256	1/4	168,331	1/4	183,386	1/4	198,410	1/4	212,679	1/4		1/4		1/4		1/4		1/4	
1/2	153,570	1/2	168,645	1/2	183,699	1/2	198,723	1/2	212,858	1/2		1/2		1/2		1/2		1/2	
3/4	153,884	3/4	168,959	3/4	184,012	3/4	199,036	3/4	213,038	3/4		3/4		3/4		3/4		3/4	
3	154,198	3	169,274	3	184,325	3	199,349	278	213,127	3		3		3		3		3	
1/4	154,512	1/4	169,588	1/4	184,638	1/4	199,662	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,826	1/2	169,902	1/2	184,951	1/2	199,975	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,140	3/4	170,216	3/4	185,264	3/4	200,288	3/4		3/4		3/4		3/4		3/4		3/4	
4	155,454	4	170,530	4	185,577	4	200,601	4		4		4		4		4		4	
1/4	155,768	1/4	170,844	1/4	185,890	1/4	200,914	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,082	1/2	171,158	1/2	186,203	1/2	201,227	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,396	3/4	171,472	3/4	186,516	3/4	201,540	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,711	5	171,786	5	186,829	5	201,853	5		5		5		5		5		5	
1/4	157,025	1/4	172,100	1/4	187,142	1/4	202,164	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,339	1/2	172,414	1/2	187,455	1/2	202,476	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,653	3/4	172,728	3/4	187,768	3/4	202,787	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,967	6	173,042	6	188,081	6	203,098	6		6		6		6		6		6	
1/4	158,281	1/4	173,356	1/4	188,394	1/4	203,408	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,595	1/2	173,671	1/2	188,707	1/2	203,718	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,909	3/4	173,985	3/4	189,020	3/4	204,027	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,223	7	174,299	7	189,333	7	204,337	7		7		7		7		7		7	
1/4	159,537	1/4	174,613	1/4	189,646	1/4	204,647	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,851	1/2	174,927	1/2	189,959	1/2	204,957	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,165	3/4	175,241	3/4	190,272	3/4	205,267	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,479	8	175,555	8	190,585	8	205,577	8		8		8		8		8		8	
1/4	160,794	1/4	175,869	1/4	190,898	1/4	205,887	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,108	1/2	176,183	1/2	191,211	1/2	206,198	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,422	3/4	176,497	3/4	191,524	3/4	206,508	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,736	9	176,811	9	191,837	9	206,818	9		9		9		9		9		9	
1/4	162,050	1/4	177,125	1/4	192,150	1/4	207,128	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,364	1/2	177,438	1/2	192,463	1/2	207,438	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,678	3/4	177,752	3/4	192,776	3/4	207,748	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,992	10	178,065	10	193,089	10	208,057	10		10		10		10		10		10	
1/4	163,306	1/4	178,378	1/4	193,402	1/4	208,367	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,620	1/2	178,691	1/2	193,715	1/2	208,676	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,934	3/4	179,004	3/4	194,028	3/4	208,986	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,248	11	179,317	11	194,341	11	209,294	11		11		11		11		11		11	
1/4	164,562	1/4	179,630	1/4	194,654	1/4	209,600	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,876	1/2	179,943	1/2	194,967	1/2	209,905	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,191	3/4	180,256	3/4	195,280	3/4	210,211	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/23/2019 CL  
CALCULATED: 09/24/2019 CL  
REPRINTED: 10/10/2019 SW

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 3020"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/8"

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	151,561	0	166,637	0	181,701	0	196,726	0	211,637	0		0		0		0		0	
1/4	151,876	1/4	166,951	1/4	182,014	1/4	197,039	1/4	211,917	1/4		1/4		1/4		1/4		1/4	
1/2	152,190	1/2	167,265	1/2	182,327	1/2	197,352	1/2	212,197	1/2		1/2		1/2		1/2		1/2	
3/4	152,504	3/4	167,579	3/4	182,640	3/4	197,665	3/4	212,477	3/4		3/4		3/4		3/4		3/4	
1	152,818	1	167,893	1	182,953	1	197,978	1	212,733	1		1		1		1		1	
1/4	153,132	1/4	168,207	1/4	183,266	1/4	198,291	1/4	212,964	1/4		1/4		1/4		1/4		1/4	
1/2	153,446	1/2	168,521	1/2	183,579	1/2	198,604	1/2	213,196	1/2		1/2		1/2		1/2		1/2	
3/4	153,760	3/4	168,836	3/4	183,892	3/4	198,917	3/4	213,427	3/4		3/4		3/4		3/4		3/4	
2	154,074	2	169,150	2	184,205	2	199,230	2	213,633	2		2		2		2		2	
1/4	154,388	1/4	169,464	1/4	184,518	1/4	199,543	1/4	213,812	1/4		1/4		1/4		1/4		1/4	
1/2	154,702	1/2	169,778	1/2	184,831	1/2	199,856	1/2	213,991	1/2		1/2		1/2		1/2		1/2	
3/4	155,016	3/4	170,092	3/4	185,144	3/4	200,169	3/4	214,170	3/4		3/4		3/4		3/4		3/4	
3	155,330	3	170,406	3	185,457	3	200,482	278	214,260	3		3		3		3		3	
1/4	155,644	1/4	170,720	1/4	185,770	1/4	200,795	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,959	1/2	171,034	1/2	186,083	1/2	201,108	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,273	3/4	171,348	3/4	186,396	3/4	201,421	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,587	4	171,662	4	186,710	4	201,734	4		4		4		4		4		4	
1/4	156,901	1/4	171,976	1/4	187,023	1/4	202,047	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,215	1/2	172,290	1/2	187,336	1/2	202,360	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,529	3/4	172,604	3/4	187,649	3/4	202,673	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,843	5	172,919	5	187,962	5	202,985	5		5		5		5		5		5	
1/4	158,157	1/4	173,233	1/4	188,275	1/4	203,297	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,471	1/2	173,547	1/2	188,588	1/2	203,608	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,785	3/4	173,861	3/4	188,901	3/4	203,920	3/4		3/4		3/4		3/4		3/4		3/4	
6	159,099	6	174,175	6	189,214	6	204,230	6		6		6		6		6		6	
1/4	159,413	1/4	174,489	1/4	189,527	1/4	204,540	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,727	1/2	174,803	1/2	189,840	1/2	204,850	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,041	3/4	175,117	3/4	190,153	3/4	205,160	3/4		3/4		3/4		3/4		3/4		3/4	
7	160,356	7	175,431	7	190,466	7	205,470	7		7		7		7		7		7	
1/4	160,670	1/4	175,745	1/4	190,779	1/4	205,780	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,984	1/2	176,059	1/2	191,092	1/2	206,090	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,298	3/4	176,373	3/4	191,405	3/4	206,400	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,612	8	176,687	8	191,718	8	206,710	8		8		8		8		8		8	
1/4	161,926	1/4	177,001	1/4	192,031	1/4	207,020	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,240	1/2	177,316	1/2	192,344	1/2	207,330	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,554	3/4	177,630	3/4	192,657	3/4	207,640	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,868	9	177,943	9	192,970	9	207,950	9		9		9		9		9		9	
1/4	163,182	1/4	178,257	1/4	193,283	1/4	208,260	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,496	1/2	178,570	1/2	193,596	1/2	208,570	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,810	3/4	178,884	3/4	193,909	3/4	208,880	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,124	10	179,197	10	194,222	10	209,190	10		10		10		10		10		10	
1/4	164,439	1/4	179,510	1/4	194,535	1/4	209,499	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,753	1/2	179,823	1/2	194,848	1/2	209,809	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,067	3/4	180,136	3/4	195,161	3/4	210,118	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,381	11	180,449	11	195,474	11	210,426	11		11		11		11		11		11	
1/4	165,695	1/4	180,762	1/4	195,787	1/4	210,732	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	166,009	1/2	181,075	1/2	196,100	1/2	211,038	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,323	3/4	181,388	3/4	196,413	3/4	211,344	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/23/2019 CL  
CALCULATED: 09/24/2019 CL  
PRINTED: 10/10/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

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





# BARGE "HSM 3020"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 7/8"

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	148,872	0	159,257	0	169,622	0	179,958	0	190,269	0		0		0		0		0	
1/4	149,092	1/4	159,473	1/4	169,837	1/4	180,174	1/4	190,462	1/4		1/4		1/4		1/4		1/4	
1/2	149,312	1/2	159,690	1/2	170,053	1/2	180,389	1/2	190,655	1/2		1/2		1/2		1/2		1/2	
3/4	149,531	3/4	159,906	3/4	170,268	3/4	180,604	3/4	190,848	3/4		3/4		3/4		3/4		3/4	
1	149,749	1	160,122	1	170,483	1	180,820	1	191,025	1		1		1		1		1	
1/4	149,965	1/4	160,338	1/4	170,699	1/4	181,035	1/4	191,185	1/4		1/4		1/4		1/4		1/4	
1/2	150,181	1/2	160,554	1/2	170,914	1/2	181,250	1/2	191,344	1/2		1/2		1/2		1/2		1/2	
3/4	150,397	3/4	160,770	3/4	171,129	3/4	181,466	3/4	191,504	3/4		3/4		3/4		3/4		3/4	
2	150,613	2	160,986	2	171,345	2	181,681	2	191,646	2		2		2		2		2	
1/4	150,830	1/4	161,202	1/4	171,560	1/4	181,896	1/4	191,769	1/4		1/4		1/4		1/4		1/4	
1/2	151,046	1/2	161,418	1/2	171,775	1/2	182,112	1/2	191,893	1/2		1/2		1/2		1/2		1/2	
3/4	151,262	3/4	161,634	3/4	171,991	3/4	182,327	3/4	192,017	3/4		3/4		3/4		3/4		3/4	
3	151,478	3	161,851	3	172,206	3	182,542	278	192,079	3		3		3		3		3	
1/4	151,694	1/4	162,067	1/4	172,422	1/4	182,758	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,910	1/2	162,283	1/2	172,637	1/2	182,973	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,126	3/4	162,499	3/4	172,852	3/4	183,188	3/4		3/4		3/4		3/4		3/4		3/4	
4	152,342	4	162,715	4	173,068	4	183,404	4		4		4		4		4		4	
1/4	152,558	1/4	162,931	1/4	173,283	1/4	183,619	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,774	1/2	163,147	1/2	173,498	1/2	183,834	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,991	3/4	163,363	3/4	173,714	3/4	184,050	3/4		3/4		3/4		3/4		3/4		3/4	
5	153,207	5	163,579	5	173,929	5	184,265	5		5		5		5		5		5	
1/4	153,423	1/4	163,795	1/4	174,144	1/4	184,480	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,639	1/2	164,012	1/2	174,360	1/2	184,696	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,855	3/4	164,228	3/4	174,575	3/4	184,911	3/4		3/4		3/4		3/4		3/4		3/4	
6	154,071	6	164,444	6	174,790	6	185,126	6		6		6		6		6		6	
1/4	154,287	1/4	164,660	1/4	175,006	1/4	185,342	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,503	1/2	164,876	1/2	175,221	1/2	185,557	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,719	3/4	165,092	3/4	175,436	3/4	185,772	3/4		3/4		3/4		3/4		3/4		3/4	
7	154,935	7	165,308	7	175,652	7	185,988	7		7		7		7		7		7	
1/4	155,152	1/4	165,524	1/4	175,867	1/4	186,203	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,368	1/2	165,740	1/2	176,082	1/2	186,419	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,584	3/4	165,956	3/4	176,298	3/4	186,634	3/4		3/4		3/4		3/4		3/4		3/4	
8	155,800	8	166,173	8	176,513	8	186,849	8		8		8		8		8		8	
1/4	156,016	1/4	166,389	1/4	176,728	1/4	187,065	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,232	1/2	166,605	1/2	176,944	1/2	187,280	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,448	3/4	166,821	3/4	177,159	3/4	187,496	3/4		3/4		3/4		3/4		3/4		3/4	
9	156,664	9	167,037	9	177,374	9	187,711	9		9		9		9		9		9	
1/4	156,880	1/4	167,252	1/4	177,590	1/4	187,927	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,096	1/2	167,468	1/2	177,805	1/2	188,142	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,313	3/4	167,684	3/4	178,020	3/4	188,357	3/4		3/4		3/4		3/4		3/4		3/4	
10	157,529	10	167,899	10	178,236	10	188,573	10		10		10		10		10		10	
1/4	157,745	1/4	168,115	1/4	178,451	1/4	188,788	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,961	1/2	168,330	1/2	178,666	1/2	189,003	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,177	3/4	168,545	3/4	178,882	3/4	189,218	3/4		3/4		3/4		3/4		3/4		3/4	
11	158,393	11	168,761	11	179,097	11	189,431	11		11		11		11		11		11	
1/4	158,609	1/4	168,976	1/4	179,312	1/4	189,643	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,825	1/2	169,191	1/2	179,528	1/2	189,855	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,041	3/4	169,407	3/4	179,743	3/4	190,066	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/23/2019 CL  
CALCULATED: 09/24/2019 CL  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

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





# BARGE "HSM 3020"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/8"

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	150,017	0	160,410	0	170,782	0	181,126	0	191,444	0		0		0		0		0	
1/4	150,236	1/4	160,626	1/4	170,997	1/4	181,341	1/4	191,637	1/4		1/4		1/4		1/4		1/4	
1/2	150,456	1/2	160,842	1/2	171,213	1/2	181,557	1/2	191,831	1/2		1/2		1/2		1/2		1/2	
3/4	150,676	3/4	161,058	3/4	171,428	3/4	181,772	3/4	192,024	3/4		3/4		3/4		3/4		3/4	
1	150,894	1	161,275	1	171,644	1	181,988	1	192,201	1		1		1		1		1	
1/4	151,110	1/4	161,491	1/4	171,859	1/4	182,203	1/4	192,360	1/4		1/4		1/4		1/4		1/4	
1/2	151,327	1/2	161,707	1/2	172,075	1/2	182,419	1/2	192,520	1/2		1/2		1/2		1/2		1/2	
3/4	151,543	3/4	161,923	3/4	172,290	3/4	182,634	3/4	192,680	3/4		3/4		3/4		3/4		3/4	
2	151,759	2	162,140	2	172,506	2	182,850	2	192,822	2		2		2		2		2	
1/4	151,975	1/4	162,356	1/4	172,721	1/4	183,065	1/4	192,946	1/4		1/4		1/4		1/4		1/4	
1/2	152,192	1/2	162,572	1/2	172,937	1/2	183,281	1/2	193,070	1/2		1/2		1/2		1/2		1/2	
3/4	152,408	3/4	162,788	3/4	173,152	3/4	183,496	3/4	193,193	3/4		3/4		3/4		3/4		3/4	
3	152,624	3	163,005	3	173,368	3	183,712	278	193,255	3		3		3		3		3	
1/4	152,840	1/4	163,221	1/4	173,583	1/4	183,927	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,057	1/2	163,437	1/2	173,799	1/2	184,143	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,273	3/4	163,653	3/4	174,014	3/4	184,358	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,489	4	163,870	4	174,230	4	184,574	4		4		4		4		4		4	
1/4	153,705	1/4	164,086	1/4	174,445	1/4	184,789	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,922	1/2	164,302	1/2	174,661	1/2	185,005	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,138	3/4	164,518	3/4	174,876	3/4	185,220	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,354	5	164,735	5	175,092	5	185,436	5		5		5		5		5		5	
1/4	154,571	1/4	164,951	1/4	175,307	1/4	185,651	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,787	1/2	165,167	1/2	175,523	1/2	185,867	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,003	3/4	165,383	3/4	175,738	3/4	186,082	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,219	6	165,600	6	175,954	6	186,298	6		6		6		6		6		6	
1/4	155,436	1/4	165,816	1/4	176,169	1/4	186,513	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,652	1/2	166,032	1/2	176,385	1/2	186,729	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,868	3/4	166,249	3/4	176,600	3/4	186,944	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,084	7	166,465	7	176,816	7	187,160	7		7		7		7		7		7	
1/4	156,301	1/4	166,681	1/4	177,031	1/4	187,375	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,517	1/2	166,897	1/2	177,247	1/2	187,591	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,733	3/4	167,114	3/4	177,462	3/4	187,807	3/4		3/4		3/4		3/4		3/4		3/4	
8	156,949	8	167,330	8	177,678	8	188,022	8		8		8		8		8		8	
1/4	157,166	1/4	167,546	1/4	177,893	1/4	188,238	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,382	1/2	167,762	1/2	178,109	1/2	188,453	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,598	3/4	167,979	3/4	178,324	3/4	188,669	3/4		3/4		3/4		3/4		3/4		3/4	
9	157,814	9	168,195	9	178,540	9	188,885	9		9		9		9		9		9	
1/4	158,031	1/4	168,411	1/4	178,755	1/4	189,100	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,247	1/2	168,626	1/2	178,971	1/2	189,316	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,463	3/4	168,842	3/4	179,186	3/4	189,531	3/4		3/4		3/4		3/4		3/4		3/4	
10	158,679	10	169,058	10	179,402	10	189,747	10		10		10		10		10		10	
1/4	158,896	1/4	169,273	1/4	179,617	1/4	189,962	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,112	1/2	169,489	1/2	179,833	1/2	190,177	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,328	3/4	169,704	3/4	180,048	3/4	190,392	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,544	11	169,920	11	180,264	11	190,606	11		11		11		11		11		11	
1/4	159,761	1/4	170,135	1/4	180,479	1/4	190,818	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,977	1/2	170,351	1/2	180,695	1/2	191,030	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,193	3/4	170,566	3/4	180,910	3/4	191,242	3/4		3/4		3/4		3/4		3/4		3/4	

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