



**Injector Performance Table**  
**Water Suction Capacity**

Operating Pressure PSIG		WATER SUCTION		Operating Pressure PSIG		WATER SUCTION	
Injector INLET	Injector OUTLET	Motive Flow GPM	Water Suction GPH	Injector INLET	Injector OUTLET	Motive Flow GPM	Water Suction GPH
5	0	3.6	62.8	60	0	12.6	72.4
	1		36.1		5		72.4
	2		23.8		10		72.4
	3		7.3		15		72.4
	4		*(4.1)		1.6		20
10	0	5.2	93.7		30		71.2
	2		61.9		35		63.3
	5		36.4		40		41.4
	7		15.8		45		*(51.2)
	8		*(8.7)		3.7		
15	0	6.3	87.3	70	0	13.7	73.6
	5		62.1		5		73.6
	7		45.4		10		73.6
	10		23.6		15		73.6
	12		*(12.5)		7.2		20
20	0	7.3	82.8		30		73.6
	5		80.4		40		67.5
	10		48.6		45		46.9
	12		33.6		50		30.7
	15		*(16.5)		21.0		55
25	0	8.2	82.3	80	0	14.6	74.2
	5		81.3		5		74.2
	10		73.2		10		74.2
	15		45.3		15		74.2
	20		*(21.0)		20.1		20
30	0	8.9	79.9		30		74.2
	5		79.1		40		73.7
	10		76.9		50		56.9
	15		65.3		60		25.8
	20		35.3		65		*(67.5)
25	*(26.1)	9.0					
35	0	9.7	79.3	90	0	15.5	74.2
	5		79.3		5		74.2
	10		77.5		10		74.2
	15		74.5		20		74.2
	20		52.3		30		74.2
25	*(30.1)	30.2	40		74.2		
40	0	10.3	77.4		50		70.0
	5		77.4		60		47.8
	10		77.4		70		18.1
	15		73.6		75		*(75.6)
	25		50.6		0.84		
30	*(34.4)	28.2					
45	0	11.0	79.6	100	0	16.3	76.3
	5		79.6		5		76.3
	10		79.6		10		76.3
	15		79.6		20		76.3
	20		78.8		30		76.3
25	67.0	40	76.3				
30	44.1	50	74.5				
35	*(38.4)	22.0	60		67.7		
50	0	11.5	74.7		70		44.6
	5		74.7		80		*(84.5)
	10		74.7		13.0		
	15		74.7	0	75.3		
	20		74.7	5	75.3		
25	68.3	10	75.3				
30	56.1	20	75.3				
35	36.6	30	75.3				
40	*(42.3)	9.5	40	74.9			
				50	70.2		
				60	61.2		
				70	34.5		
				80	8.5		
				90			
				100			

**Model 878-03**

Copyright© 2014 REV.09.2014

Mazzei Injector Company, LLC  
 500 Rooster Drive, Bakersfield, CA 93307-9555 USA

TEL 661.363.6500 • FAX 661.363.7500 • www.mazzei.net

*\*NUMBERS IN PARENTHESIS indicate the injector outlet pressure when suction stops (Zero Suction Point).*



**Injector Performance Table**  
**Water Suction Capacity - METRIC**

Operating Pressure kg/cm <sup>2</sup>		WATER SUCTION		Operating Pressure kg/cm <sup>2</sup>		WATER SUCTION				
Injector Inlet	Injector Outlet	Motive Flow l/min	Water Suction l/hr	Injector Inlet	Injector Outlet	Motive Flow l/min	Water Suction l/hr			
0.35	0.00	13.8	237	4.22	0.00	47.9	274			
	0.07		136		0.35		274			
	0.14		90.2		0.70		274			
	0.21		27.7		1.05		274			
	0.28		*(0.28)		1.41		274			
0.70	0.00	19.5	354		2.11		269			
	0.14		234		2.46		239			
	0.35		138		2.81		156			
	0.49		59.9		3.16		*(3.60)	61.8		
	0.56		*(0.61)		14.0		0.00	278		
1.05	0.00	23.9	330	0.35	278					
	0.35		235	0.70	278					
	0.49		172	1.05	278					
	0.70		89.4	1.41	278					
	0.84		*(0.88)	27.2	2.11	278				
1.41	0.00	27.6	313	2.81	255					
	0.35		304	3.16	177					
	0.70		184	3.52	116					
	0.84		127	3.87	*(4.10)	48.8				
	1.05		*(1.16)	79.6	0.00	280				
1.76	0.00	30.9	311	0.35	280					
	0.35		307	0.70	280					
	0.70		277	1.05	280					
	1.05		171	1.41	280					
	1.41		*(1.48)	76.1	2.11	280				
2.11	0.00	33.9	302	2.81	278					
	0.35		299	3.52	215					
	0.70		291	4.22	97.7					
	1.05		247	4.57	*(4.75)	30.0				
	1.41		133	0.00	281					
2.46	1.76	*(1.84)	34.3	0.35	281					
	0.00	36.6	300	0.70	281					
	0.35		300	1.41	281					
	0.70		293	2.11	281					
	1.05		282	2.81	281					
1.41	198		3.52	265						
2.81	1.76	*(2.12)	114	4.22	181					
	0.00	39.1	293	4.92	68.7					
	0.35		293	5.27	*(5.32)	3.1				
	0.70		293	0.00	289					
	1.05		293	0.35	289					
1.41	278		0.70	289						
3.16	1.76	*(2.42)	191	1.41	289					
	2.11	106	2.11	289						
	0.00	41.5	301	2.81	289					
	0.35		301	3.52	281					
	0.70		301	4.22	256					
1.05	301		4.92	169						
1.41	298		5.62	*(5.94)	49.2					
3.52	1.76	*(2.70)	253	0.00	285					
	2.11	167	0.35	285						
	2.46	83.3	0.70	285						
	0.00	43.7	283	1.41	285					
	0.35		283	2.11	285					
0.70	283		2.81	285						
1.05	283		3.52	285						
1.41	283		4.22	283						
3.52	1.76	43.7	258	4.92	266					
	2.11		212	5.62	231					
	2.46		138	6.33	130					
	2.81		*(2.97)	7.03	*(7.14)	32.5				
	0.00		58.7	300	6.33	0.00	58.7	280		
	0.35			300		0.35		280		
	0.70			293		0.70		280		
1.05	282	1.41		280						
1.41	198	2.11		280						
1.76	114	2.81		280						
0.00	30.9	311		3.52		215				
0.35		307	4.22	97.7						
0.70		277	4.57	*(4.75)		30.0				
1.05		171	0.00	281						
1.41		*(1.48)	0.35	281						
2.11	1.76	*(1.84)	34.3	0.70	281					
	0.00	33.9	302	1.41	281					
	0.35		299	2.11	281					
	0.70		291	2.81	281					
	1.05		247	3.52	265					
1.41	133		4.22	181						
2.46	1.76	*(2.12)	114	4.92	68.7					
	0.00	36.6	300	5.27	*(5.32)	3.1				
	0.35		300	0.00	289					
	0.70		293	0.35	289					
	1.05		282	0.70	289					
1.41	198		1.41	289						
2.81	1.76	*(2.42)	191	2.11	289					
	2.11	106	2.81	289						
	0.00	41.5	301	3.52	281					
	0.35		301	4.22	256					
	0.70		301	4.92	169					
1.05	301		5.62	*(5.94)	49.2					
1.41	298		0.00	285						
3.16	1.76	*(2.70)	253	0.35	285					
	2.11	167	0.70	285						
	2.46	83.3	1.41	285						
	0.00	43.7	283	2.11	285					
	0.35		283	2.81	285					
	0.70		283	3.52	285					
	1.05		283	4.22	283					
1.41	283		4.92	266						
1.76	258		5.62	231						
2.11	212		6.33	130						
2.46	138	7.03	*(7.14)	32.5						
2.81	*(2.97)	36.2	0.00	285						
3.52	0.35	43.7	283	8.44	0.35	67.7	285			
	0.70		283		0.70		285			
	1.05		283		1.41		285			
	1.41		283		2.11		285			
	1.76		283		2.81		285			
	2.11		283		3.52		285			
	2.46		283		4.22		283			
	2.81		258		4.92		266			
	0.00		58.7		300		6.33	5.62	58.7	231
	0.35				300			6.33		130
0.70	293	7.03		*(7.14)	32.5					
1.05	282	0.00		280						
1.41	198	0.35		280						
1.76	114	0.70		280						
2.11	89.4	1.05		278						
2.46	27.2	1.41	278							
2.81	*(0.88)	2.11	278							
1.05	0.84	23.9	27.2	4.92	2.81	51.7		278		
	0.00		313		3.16		278			
	0.35		304		3.52		255			
	0.70		184		3.87		177			
	0.84		127		0.00		116			
1.41	1.05	*(1.16)	79.6		0.35		48.8			
	0.00	27.6	311		0.70		280			
	0.35		307		1.05		280			
	0.70		277		1.41		280			
	1.05		171		2.11		280			
1.41	*(1.48)		76.1	2.81	280					
1.76	1.76	*(1.84)	34.3	3.52	278					
	0.00	33.9	302	4.22	215					
	0.35		299	4.57	97.7					
	0.70		291	4.92	*(4.75)	30.0				
	1.05		247	0.00	281					
1.41	133		0.35	281						
2.11	1.76	*(1.84)	34.3	0.70	281					
	0.00	36.6	300	1.41	281					
	0.35		300	2.11	281					
	0.70		293	2.81	281					
	1.05		282	3.52	265					
1.41	198		4.22	181						
2.46	1.76	*(2.12)	114	4.92	68.7					
	0.00	39.1	293	5.27	*(5.32)	3.1				
	0.35		293	0.00	289					
	0.70		293	0.35	289					
	1.05		293	0.70	289					
1.41	278		1.41	289						
2.81	1.76	*(2.42)	191	2.11	289					
	2.11	106	2.81	289						
	0.00	41.5	301	3.52	281					
	0.35		301	4.22	256					
	0.70		301	4.92	169					
1.05	301		5.62	*(5.94)	49.2					
1.41	298		0.00	285						
3.16	1.76	*(2.70)	253	0.35	285					
	2.11	167	0.70	285						
	2.46	83.3	1.41	285						
	0.00	43.7	283	2.11	285					
	0.35		283	2.81	285					
	0.70		283	3.52	285					
	1.05		283	4.22	283					
1.41	283		4.92	266						
1.76	258		5.62	231						
2.11	212		6.33	130						
2.46	138	7.03	*(7.14)	32.5						
2.81	*(2.97)	36.2	0.00	285						

**Model 878-03**



Operating Pressure PSIG		AIR SUCTION		Operating Pressure PSIG		AIR SUCTION		
Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFH	Injector INLET	Injector OUTLET	Motive Flow GPM	Air Suction SCFH	
5	0	3.5	14.9	60	0	12.1	71.3	
	1		5.4		5		54.9	
	2		1.5		10		33.4	
	3		0.41		15		20.2	
	4		*(4.0)		20		14.6	
10	0	4.9	33.9		30		7.8	
	2		8.5		35		5.7	
	5		2.8		40		4.3	
	7		0.88		45		*(51.2)	2.4
	8		*(8.7)		0.61		70	0
15	0	6.1	36.0	5	60.1			
	5		7.4	10	40.7			
	7		3.8	15	25.5			
	10		0.74	20	19.1			
	12		*(12.5)	30	11.2			
20	0	7.0	44.2	40	6.7			
	5		12.5	45	5.0			
	10		4.3	50	4.1			
	12		2.7	55	*(58.3)	2.1		
	15		*(16.5)	1.7	80	0	14.0	81.2
25	0	7.8	44.7	5		65.0		
	5		17.4	10		49.9		
	10		6.7	15		31.0		
	15		3.4	20		23.1		
	20		*(21.0)	1.2		30		14.1
30	0	8.6	51.0	40		9.0		
	5		26.1	50		5.8		
	10		11.3	60		3.8		
	15		6.4	65		*(67.5)		2.3
	20		2.9	0	90	0	14.8	85.3
25	*(26.1)	2.0	5	69.6				
35	0	9.3	51.9	10		56.4		
	5		34.3	20		26.9		
	10		14.0	30		17.3		
	15		8.6	40		12.1		
	20		4.7	50		7.9		
25	*(30.1)	3.3	60	5.1				
40	0	9.9	55.8	70		3.4		
	5		40.6	75		*(75.6)		2.1
	10		17.6	0	100	0	15.6	88.6
	15		11.6	5		72.4		
	20		6.6	10		62.8		
25	4.8	20	30.9					
30	*(34.4)	2.4	30	20.3				
45	0	10.5	66.9	40		14.5		
	5		42.1	50		10.0		
	10		20.7	60		7.2		
	15		12.8	70		5.1		
	20		8.9	80		*(84.5)		2.9
	25		5.1	0	120	0	17.1	98.1
	30		4.1	5		81.0		
35	*(38.4)	2.1	10	70.8				
50	0	11.1	64.9	20		41.9		
	5		48.7	30		26.1		
	10		23.8	40		19.2		
	15		16.1	50		14.5		
	20		10.3	60		10.8		
	25		8.3	70		7.8		
	30		4.6	80		5.7		
35	4.3	90	4.6					
40	*(42.3)	1.1	100	*(101)	2.5			

Injector Performance Table  
 Air Suction Capacity

Model 878-03



**Injector Performance Table**  
**Air Suction Capacity - METRIC**

Operating Pressure kg/cm <sup>2</sup>		AIR SUCTION		Operating Pressure kg/cm <sup>2</sup>		AIR SUCTION			
Injector INLET	Injector OUTLET	Motive Flow l/min	Air Suction l/min	Injector INLET	Injector OUTLET	Motive Flow l/min	Air Suction l/min		
0.35	0.00	13.2	7.0	4.22	0.00	45.9	33.6		
	0.07		2.5		0.35		25.9		
	0.14		0.73		0.70		15.8		
	0.21		0.19		1.05		9.5		
	0.28		*(0.28)		1.41		6.9		
0.70	0.00	18.7	16.0		4.92		0.00	49.6	36.3
	0.14		4.0				0.35		28.3
	0.35		1.3				0.70		19.2
	0.49		0.42				1.05		12.0
	0.56		*(0.61)				1.41		9.0
1.05	0.00	22.9	17.0	5.62		0.00	53.0		38.3
	0.35		3.5			0.35			30.6
	0.49		1.8			0.70			23.5
	0.70		0.35			1.05			14.6
	0.84		*(0.88)			1.41			10.9
1.41	0.00	26.5	20.9		6.33	0.00		56.2	40.2
	0.35		5.9			0.35			32.8
	0.70		2.0			0.70			26.6
	0.84		1.2			1.05			12.7
	1.05		*(1.16)			1.41			8.1
1.76	0.00	29.6	21.1	7.03		0.00	59.3		41.85
	0.35		8.2			0.35			34.1
	0.70		3.2			0.70			29.6
	1.05		1.6			1.05			14.6
	1.41		*(1.48)			1.41			9.5
2.11	0.00	32.5	24.0		8.44	0.00		64.9	46.3
	0.35		12.3			0.35			38.2
	0.70		5.3			0.70			33.4
	1.05		3.0			1.05			19.7
	1.41		1.4			1.41			12.3
2.46	0.00	35.1	24.5	7.03		0.00	59.3		41.85
	0.35		16.2			0.35			34.1
	0.70		6.6			0.70			29.6
	1.05		4.0			1.05			14.6
	1.41		2.2			1.41			9.5
2.81	0.00	37.5	26.3		8.44	0.00		64.9	46.3
	0.35		19.1			0.35			38.2
	0.70		8.3			0.70			33.4
	1.05		5.5			1.05			19.7
	1.41		3.1			1.41			12.3
3.16	0.00	39.7	31.5	7.03		0.00	59.3		41.85
	0.35		19.9			0.35			34.1
	0.70		9.8			0.70			29.6
	1.05		6.0			1.05			14.6
	1.41		4.2			1.41			9.5
3.52	0.00	41.9	30.6		8.44	0.00		64.9	46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
3.97	0.00	44.1	30.6	8.44		0.00	64.9		46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
4.41	0.00	46.3	30.6		8.44	0.00		64.9	46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
4.85	0.00	48.5	30.6	8.44		0.00	64.9		46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
5.29	0.00	50.7	30.6		8.44	0.00		64.9	46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
5.73	0.00	52.9	30.6	8.44		0.00	64.9		46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
6.17	0.00	55.1	30.6		8.44	0.00		64.9	46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
6.61	0.00	57.3	30.6	8.44		0.00	64.9		46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
7.05	0.00	59.5	30.6		8.44	0.00		64.9	46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
7.49	0.00	61.7	30.6	8.44		0.00	64.9		46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
7.93	0.00	63.9	30.6		8.44	0.00		64.9	46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
8.37	0.00	66.1	30.6	8.44		0.00	64.9		46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
8.81	0.00	68.3	30.6		8.44	0.00		64.9	46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
9.25	0.00	70.5	30.6	8.44		0.00	64.9		46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
9.69	0.00	72.7	30.6		8.44	0.00		64.9	46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
10.13	0.00	74.9	30.6	8.44		0.00	64.9		46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
10.57	0.00	77.1	30.6		8.44	0.00		64.9	46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
11.01	0.00	79.3	30.6	8.44		0.00	64.9		46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
11.45	0.00	81.5	30.6		8.44	0.00		64.9	46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
11.89	0.00	83.7	30.6	8.44		0.00	64.9		46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
12.33	0.00	85.9	30.6		8.44	0.00		64.9	46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
12.77	0.00	88.1	30.6	8.44		0.00	64.9		46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
13.21	0.00	90.3	30.6		8.44	0.00		64.9	46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
13.65	0.00	92.5	30.6	8.44		0.00	64.9		46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
14.09	0.00	94.7	30.6		8.44	0.00		64.9	46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
14.53	0.00	96.9	30.6	8.44		0.00	64.9		46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
14.97	0.00	99.1	30.6		8.44	0.00		64.9	46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
15.41	0.00	101.3	30.6	8.44		0.00	64.9		46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
15.85	0.00	103.5	30.6		8.44	0.00		64.9	46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
16.29	0.00	105.7	30.6	8.44		0.00	64.9		46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
16.73	0.00	107.9	30.6		8.44	0.00		64.9	46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
17.17	0.00	110.1	30.6	8.44		0.00	64.9		46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.41		4.9			1.41			12.3
17.61	0.00	112.3	30.6		8.44	0.00		64.9	46.3
	0.35		23.0			0.35			38.2
	0.70		11.2			0.70			33.4
	1.05		7.6			1.05			19.7
	1.4								