

# SUBMITTAL DATA SHEET

Jet Pumps  
Convertible | Shallow Well

## 1500 Series - Multi-Stage

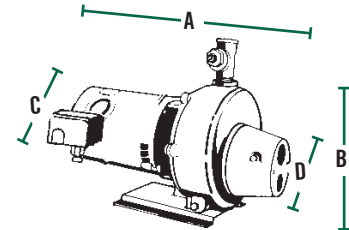


A.Y. McDonald offers a full line of shallow well, convertible, and multi-stage jet pumps built for years of trouble free operation, with high-efficiency impellers and diffusers. The 1500 series shallow well capacity is up to 40 gallons per minute (GPM) and pressures to 100 PSI.

All 1500 Series Multi-Stage Pumps come with a 1 1/4" suction pipe and a 1" discharge. The sizes range from 3/4 to 1 1/2 horsepower (HP).

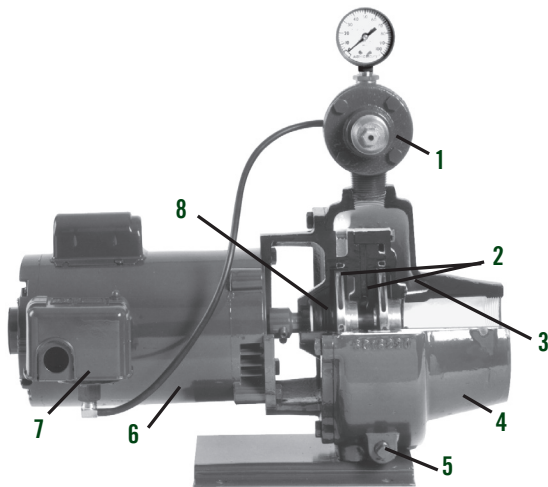
### Models Available

Part No.	Model No.	HP	Volt	*Max. Amps	Impeller	A	B	C	D	Wt.
6321-100	1575	3/4	<b>230/115</b>	7.4	brass	19.5"	10.5"	11"	8.8"	68
6321-101	1575P	3/4	<b>230/115</b>	7.4	plastic					
6323-100	1575SW	3/4	<b>230/115</b>	7.4	brass	19.5"	10.5"	11"	8.8"	62
6323-101	1575SWP	3/4	<b>230/115</b>	7.4	plastic					
6322-100	1510	1	<b>230/115</b>	9.0	brass	19.5"	10.5"	11"	8.8"	68
6322-101	1510P	1	<b>230/115</b>	9.0	plastic					
6324-100	1510SW	1	<b>230/115</b>	9.0	brass	19.5"	10.5"	11"	8.8"	69
6324-101	1510SWP	1	<b>230/115</b>	9.0	plastic					
6325-100	1515SW	1 1/2	<b>230/115</b>	10.6	brass	20.5"	10.5"	11"	8.8"	69
6325-101	1515SWP	1 1/2	<b>230/115</b>	10.6	plastic					



Overall Length "A"  
Overall Height "B" (without Regulating Valve)  
Overall Width "C" (with Pressure Switch)  
Overall Width "D" (without Pressure Switch)  
\*See table to left for dimensions.

Factory Voltage Setting listed first in bold type.



- 1 - Automatic Diaphragm Type Regulating Valve**  
Positive acting - non-chattering for easier pump priming. Assures maximum performance at varying water levels (For deep well only)
- 2 - Impeller**  
Available in either dynamically balanced bronze or engineered thermoplastic
- 3 - Cast Iron Diffusers**  
Precision machined for greatest efficiency
- 4 - Cast Iron Pump Body & Motor Adapter**

- 5 - Drain Plug**
- 6 - Nema Standard Motor**  
Heavy duty, capacitor start, dual voltage (230/115) with built-in overload protection. Choice of 3/4, 1, 1 1/2 HP & 50 Hz. 60 Hz.
- 7 - Pressure Switch**  
Easily adjusted for higher or lower operating pressures
- 8 - Shaft Seal**  
Standard 3/4" ceramic carbon rotating mechanical seal

### SUBMITTAL INFORMATION

- Nema C (Keyed Shaft) Motor
- Pressure switch factory setting 30-50 PSI
- Two pipe drop pipe 1" x 1 1/4" (with 108 adaptor)
- SW models are less regulating valve
- 460V available, contact factory
- \* Maximum Amp. Draw at factory voltage setting.

NO-LEAD: The weighted average of the wetted surface of this no-lead product contacted by consumable water contains less than one quarter of one percent (0.25%) lead.



**A.Y. McDonald Mfg. Co.**  
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Submitted by:

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## 1500 Series - Multi-Stage



### 1500 Series | Shallow Well Performance

Model No.	HP	Jet Ejector*	Suction Lift - Ft.	Capacities in GPM at Discharge Pressure (PSI)							MAX Shut Off Pressure		
				20	30	40	50	60	70	80			
1575SW Without Jet	3/4	N/A	10	34.3	28.7	22.2						53	
			15	33.1	27.5	20.4						51	
			25	29.9	24.5							46	
1510SW Without Jet	1	N/A	10	41.6	37.6	31.6	24.1					65	
			15	40.0	36.5	30.1	22.1					63	
			25	29.5	28.5	26.5	16.5					58	
1515SW Without Jet	1 1/2	N/A	10	42.3	40.5	36.5	32.0	24.5				76	
			15	41.6	39.8	35.2	29.3	23.0				74	
			25	33.3	32.5	31.0	26.5	18.8				69	
1575 *Requires Jet	3/4	659JP	10		12.3	12.3	12.1	11.7	10.0	6.1			96
			15		11.0	11.0	11.0	10.5	7.6	4.1			94
			25		7.1	7.0	7.0	7.0	7.0	3.0			89
1510 *Requires Jet	1	658JP	10		15.0	14.8	14.7	14.1	13.4	9.1			102
			15		13.0	12.9	12.9	12.8	12.4	8.2			100
			25		7.6	7.5	7.5	7.5	7.4	6.3			96
1515SW *Requires Jet	1 1/2	652JP	10	17.4	17.2	17.1	16.9	15.0	10.0	5.8			100
			15	15.0	15.0	14.7	14.5	13.6	9.7	5.0			98
			25	9.6	9.2	9.0	8.8	8.8	6.7	3.1			94

\*Jet Ejectors must be ordered separately

### 1500 Series | Deep Well Performance at 30 PSI | For 30-50 PSI Pressure Switch Setting

Model No.	HP	Jet Ejector Package		Deep Well Capacities in GPM - At Depth to Water in Feet															
		4" Two Pipe	2" Single Pipe	30	40	50	60	70	80	90	100	110	120	130	140	150	160		
1575	3/4		7125 MP	14.5	13.1	11.2	9.3	7.2											
			7126 MP				9.3	8.0	6.6	5.4	4.2	3.2							
			7127MP							5.7	5.0	4.2	3.5	2.7	2.0	1.3			
			7109 MP			16.1	14.6	12.5	10.3	8.0									
			7110 MP							10.3	8.9	7.4	6.0	4.7	3.5				
			7111 MP									6.4	5.5	4.7	3.9	3.0	2.3	1.5	
1510	1		7128 MP	14.5	13.5	12.1	10.8	8.9	6.7										
			7129 MP				9.7	8.3	7.4	6.5	5.6	4.9	4.0						
			7130 MP								5.8	4.9	4.2	3.5	2.9	2.2	1.5		
			7112 MP			16.1	15.0	13.5	12.0	9.9	7.5								
			7113 MP						10.8	9.2	8.2	7.2	6.3	5.5	4.5				
			7114MP									6.5	5.5	4.6	3.9	3.2	2.5	1.8	

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