SUBMITTAL DATA SHEET

Jet Pumps

Convertible | Shallow Well

1500 Series - Multi-Stage



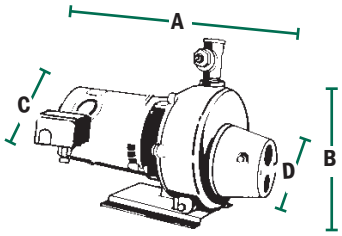
All 1500 Series Multi-Stage Pumps come with a 1 1/4" suction pipe and a 1" discharge. The sizes range from 3/4 to 1 1/2 horse power (HP).

Models Available

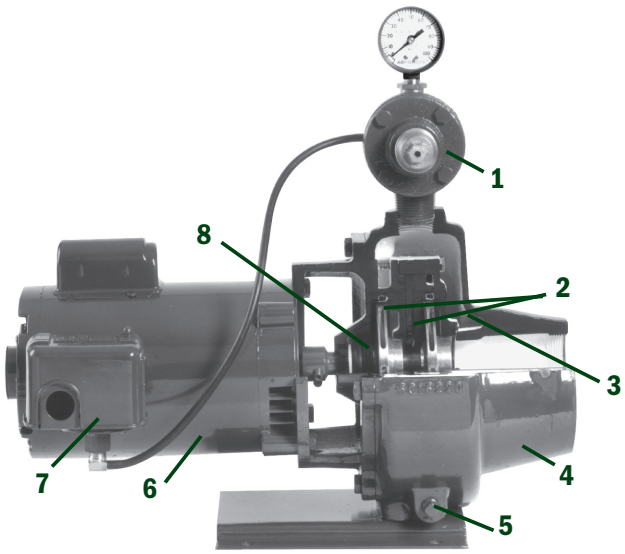
Model No.	HP	Volt	Max. Amps	Impeller	A	B	C	D	WT
1575	3/4	**230**/115	7.4	brass	19.5"	10.5"	11"	8.8"	68
1575SW	3/4	**230**/115	7.4	brass	19.5"	10.5"	11"	8.8"	62
1510	1	**230**/115	9.0	brass	19.5"	10.5"	11"	8.8"	68
1510SW	1	**230**/115	9.0	brass	19.5"	10.5"	11"	8.8"	69
1515SW	1 1/2	**230**/115	10.6	brass	20.5"	10.5"	11"	8.8"	69

Factory Voltage setting listed first in bold type.

Add a "**P**" to any 1500 Series pump for a **plastic impeller e.g. 1575P**



Overall Length "A"
Overall Height "B" (without Regulating Valve)
Overall Width "C" (with Pressure Switch)
Overall Width "D" (without Pressure Switch)



1 - Automatic Diaphram 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. or 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

* 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.

EST. 1856 McDonald

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A.Y. McDonald considers the information on this assembly drawing correct when published. Item and option availability, including specifications, are subject to change without notice.

Submitted by:

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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	22.1					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	659 JP	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	658 JP	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	652 JP	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

*Purchase jet ejector separately.

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

Model No.	HP	Jet Ejector Package		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		125 MP	14.5	13.1	11.2	9.3	7.2									
			126 MP				9.3	8.0	6.6	5.4	4.2	3.2					
			127 MP							5.7	5.0	4.2	3.5	2.7	2.0	1.3	
		109 MP		16.1	14.6	12.5	10.3	8.0									
		110 MP						10.3	8.9	7.4	6.0	4.7	3.5				
		111 MP									6.4	5.5	4.7	3.9	3.0	2.3	1.5
1510	1		128 MP	14.5	13.5	12.1	10.8	8.9	6.7								
			129 MP				9.7	8.3	7.4	6.5	5.6	4.9	4.0				
			130 MP								5.8	4.9	4.2	3.5	2.9	2.2	1.5
		112 MP		16.1	15.0	13.5	12.0	9.9	7.5								
		113 MP					10.8	9.2	8.2	7.2	6.3	5.5	4.5				
		114 MP									6.5	5.5	4.6	3.9	3.2	2.5	1.6

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