

**JS+** J5S, J5SH, J7S, J10S, J15S

SHALLOW WELL JET PUMPS - ½, ¾, 1 AND 1½ HP



# Residential Water Systems

# **FEATURES**

Compact: Design has an integral shallow well adapter built into the casing, which eliminates the need for a separate shallow well adapter.

#### Serviceable:

- Back pullout design allows disassembly of pump for service without disturbing piping.
- Two compartment motor for easy access to motor wiring and replaceable components.
- Nozzle clean out plug in pump case.
- Corrosion resistant, engineered plastic tubing and fittings are easily removed for cleaning. Premium O-ring design fittings need only be hand tight to seal.

Impeller: F.D.A. compliant, glass filled Noryl\*. Corrosion and abrasion resistant.

Diffuser (Guidevane): Bolt down diffuser provides positive alignment with impeller. Diffuser also has stainless wear ring for extended performance in abrasive conditions. F.D.A. compliant, injection molded, food grade, glass filled Lexan® for durability and abrasion resistance.

**Tubing and Fittings:** F.D.A. compliant engineered plastic is corrosion and U.V. resistant.

Powered for Continuous Operation: Pump ratings are within the motor manufacturer's recommended working limits. Can be operated continuously without damage.

Corrosion Resistant: Electro-coated paint process is applied inside and out, then baked on.

Protected Mechanical Seal: Special diaphragm design retains water in the casing at all times to ensure the mechanical seal can never run dry.

Excellent Air Handling Ability: After initial priming the pump has the ability to re-prime itself even when air gets into the system. Pumping resumes once the water level rises above the foot valve.

#### **APPLICATIONS**

Specifically designed for the following uses:

- Homes
- Cottages
- Booster service

# **SPECIFICATIONS**

# Pump:

- Pipe connections: 1¼" NPT suction and 1" NPT discharge
- Pressure switch: AS4 preset (30-50 PSI).

# Motor:

- NEMA standard
- 60 Hz
- ½ 1½ HP, 115/230 V capacitor start
- Single phase
- 3500 RPM
- Built-in overload with automatic reset
- Stainless steel shaft
- Rotation: clockwise when viewed from motor end
- UL778 listed

Maximum temperature: 140°F.

#### **SYSTEM COMPONENTS**

• Basic Pump Unit: Includes pump with integral shallow well jet (nozzle and venturi), motor, pressure switch and tubing.

# **AGENCY LISTINGS**



Canadian Standards Association



Underwriters Laboratories<sup>①</sup>

# **MODEL INFORMATION**

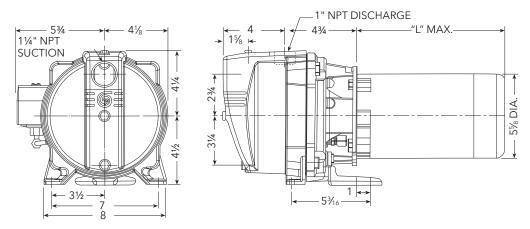
CSA Listed Order No.	U.L. Listed (Indoor use) <sup>①</sup> Order No.	НР
J5S	J5SUL	1/2
J5SH	J5SHUL	1/2
J7S	J7SUL	3/4
J10S	J10SUL	1
J15S	J15SUL	11/2

# **SHALLOW WELL PERFORMANCE RATINGS**

HP/Model	½ HP - J5S				½ HP - J5SH					¾ HP - J7S				1 HP - J10S					1½ HP - J15S							
Nozzle		Δ	N01	7		AN019				AN018				AN018				AN022								
Venturi		Α	D33	32		AD3328					AD3336				AD3339				AD3342							
	Disc	harg	e Pres	ssure	- PSI	D	ischa	rge P	ressu	re - P	SI	Disc	harg	e Pre	ssure	- PSI	Disc	harg	e Pres	sure	- PSI	Disc	harge	e Pres	sure	- PSI
Total	20	30	40	50	Max.	20	30	40	50	60	Max.	30	40	50	60	Max.	30	40	50	60	Max.	30	40	50		Max.
Suction Lift (feet)	G	ialloı min	ns pe		Shut off (PSI)		Gall m	ons inut			Shut off (PSI)	l	ialloı min			Shut off (PSI)	l		ns pe iute		Shut off (PSI)		ialloı min	ns pe	er	Shut off (PSI)
5	17.5	16.5	10.2	5.0	63	11.5	11.3	11.0	7.7	4.8	83	21.3	18.3	12.5	6.6	70	24.8	24.4	16.6	9.9	74	26.6	26.3	25.0	15.6	80
10	15.7	14.4	9.2	4.3	61	10.3	10.0	9.6	7.0	4.2	81	18.8	17.3	11.3	5.0	68	22.9	22.2	15.8	8.6	72	24.7	24.3	22.6	13.9	77
15	13.7	12.5	8.0	3.6	59	8.8	8.6	8.3	6.3	3.7	79	16.4	15.5	9.6	3.7	66	19.8	19.5	13.8	6.9	70	21.6	21.5	20.4	12.9	75
20	11.5	10.4	7.1	2.3	57	7.0	7.0	6.8	5.8	3.2	76	13.6	13.2	8.3	2.0	63	16.6	16.6	12.2	5.6	67	18.1	18.0	17.6	12.0	73
25	8.7	8.6	6.2	1.3	54	5.3	5.2	5.2	5.0	2.8	73	10.0	9.9	6.4	1.0	59	12.5	12.4	10.4	3.6	65	14.0	14.0	14.0	10.1	71

# **DIMENSIONS AND WEIGHTS**

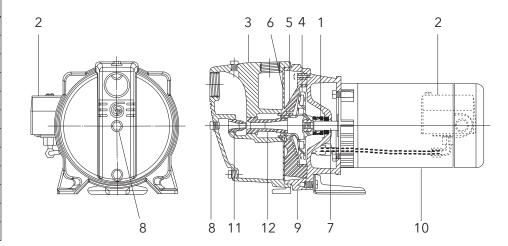
Model	J5S	J5SH	J7S	J10S	J15S			
Wt. (lbs.)	43	43	47	50	60			
Length	171⁄4	171⁄4	181⁄4	18¾	191⁄4			
Width			97/8	•				
Height		8¾						
HP	1/2	1/2	3/4	1	11/2			
"L" Max.	81/2	8½	9½	10	10½			



(All dimensions are in inches and weights in lbs. Do not use for construction purposes.)

# **COMPONENTS**

Item No.	Description						
1	Mechanical seal						
2	Pressure switch						
3	Casing						
4	Impeller						
5	Diffuser (Guidevane)						
6	Diaphragm						
7	Stainless steel shaft						
8	Nozzle clean-out plug						
9	Motor adapter						
10	Motor						
11	Nozzle						
12	Venturi (diffuser)						





Xylem, Inc. 2881 East Bayard Street Ext., Suite A Seneca Falls, NY 13148 Phone: (866) 325-4210

Phone: (866) 325-4210 Fax: (888) 322-5877

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