

FJS Series Shallow Well Jet Pump

The FJS Series of high-performance jet pumps is the perfect pump for when your installation calls for higher flow rates. All FJS Shallow Well Jet Pumps come complete with an installed, factory pre-set 30/50 Square D Pressure Switch and dual voltage AO Smith/Century Motors (115/230V).

The compact design integrates the Shallow Well jet components inside the pump case so there is no need for separate adaptors. Once the pump has been primed, the FJS can easily re-prime itself if air gets into the piping system.

Applications:

Potable water systems-homes, farms, cottages, booster systems.

Features –

- The industry proven AO Smith/Century Nema Standard Motor is UL778 Listed and features a 2-compartment design for quick wiring and service if needed. The thermally protected motor is rated for continuous operation without damage. All 1/2hp Units are Pre-Wired for 115V.
- Back pullout design allows easy access to pump components. No need to disturb the piping system.
- Square D 30/50 Pressure Switch.
- Internal diaphragm keeps water in the pump case so the mechanical seal is protected from running dry and being damaged.
- Large top port opening to pour in water for initial priming.
- Multiple tapped ports, 1-¼" Suction & 1" Discharge, ¼" Pressure Gauge port, Nozzle cleanout port and a drain and winterization port.
- Glass filled Noryl Impeller with stainless steel insert, corrosion resistant, designed for long service life.
- The positively aligned Diffuser includes a Stainless Steel Wear Ring that helps resist abrasion and wear in harsh applications.
- Maximum operating temperature: 140°F
- Assembled and tested in the U.S.A.





FJS05 = 1/2HP 1.6SF				Model-HP-SF	FJS05H = 1/2HP 1.5SF						
115/230V				Voltage	115/230V						
115V					Pre-Wired	115V					
FJVEN1 & FJNOZ1				Ven. & Noz.	FJVEN2 & FJNOZ2						
Discharge Pressure - PSI						Discharge Pressure - PSI					
20	30	40	50	Max	Total	20	30	40	50	60	
Shut											
in Feet				in Feet	Gallons Per Minute						
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					v: —850H030D0 200V						
	FJVEN3 & FJNOZ3 Discharge Pressure - PSI					FJVEN4 & FJNOZ4 Discharge Pressure - PSI					
).cı	Ven. & Noz.						
	ischarg	e Press	ure - F		Ven. & Noz.		ischarg	ge Pres	sure ·	- PSI	
30				Max	Ven. & Noz.	30				- PSI Ma	
30	ischarg 40	e Press	sure - F 60	Max Shut		30	ischarg 40	ge Pres 50	sure - 60	- PSI Ma Sh	ut
30	ischarg	e Press	sure - F 60	Max	Total	30	ischarg	ge Pres 50	sure - 60	- PSI Ma	ut ff
30	ischarg 40	e Press	sure - F 60	Max Shut Off	Total Suction Lift	30	ischarg 40	ge Pres 50	sure - 60	PSI Ma Sh	ut ff SI)
30 Gal	40 Ions Pe	e Press 50 r Minu	60 te	Max Shut Off (PSI)	Total Suction Lift in Feet	30 Gall	ischarg 40 ons Pe	ge Pres 50 r Minu	60 te	- PSI Ma Sh Of (PS	ut ff SI) 4
30 Gal	40 lons Pe	50 r Minu	60 te	Max Shut Off (PSI)	Total Suction Lift in Feet 5'	30 Gall 24.8	40 ons Pe	50 r Minu 16.6	60 te 9.9	PSI Ma Shi Of (PS	ut ff SI) 4
30 Gal 21.3 18.8	lons Pe	50 r Minu 12.5 11.3	60 te 6.6 5.0	Max Shut Off (PSI) 70 68	Total Suction Lift in Feet 5' 10'	30 Gall 24.8 22.9	40 ons Pe	50 r Minu 16.6 15.8	60 te	PSI Ma Shi Of (PS) 74	ut ff SI) 4 2
30 Gal 21.3 18.8 16.4	18.3 17.3 15.5	50 r Minu 12.5 11.3 9.6	60 te 6.6 5.0 3.7	Max Shut Off (PSI) 70 68 66	Total Suction Lift in Feet 5' 10' 15'	30 Gall 24.8 22.9 19.8	40 ons Pe 24.4 22.2 19.5	50 r Minu 16.6 15.8 13.8	9.9 8.6 6.9	PSI Ma Shi Of (PS 7/ 7/ 7/	ut ff SI) 4 2 0
30 Gal 21.3 18.8 16.4 13.6	18.3 17.3 15.5 13.2 9.9	2.5 11.3 9.6 8.3	60 te 6.6 5.0 3.7 2.0 1.0	Max Shut Off (PSI) 70 68 66 63 59	Total Suction Lift in Feet 5' 10' 15' 20'	30 Gall 24.8 22.9 19.8 16.6	24.4 22.2 19.5 16.6	50 r Minu 16.6 15.8 13.8 12.2	9.9 8.6 6.9 5.6	PSI Má Shi Ot (PS 74 72 76 65	ut ff SI) 4 2 0
30 Gal 21.3 18.8 16.4 13.6	18.3 17.3 15.5 13.2 9.9	12.5 11.3 9.6 8.3 6.4	60 te 6.6 5.0 3.7 2.0 1.0	Max Shut Off (PSI) 70 68 66 63 59	Total Suction Lift in Feet 5' 10' 15' 20'	30 Gall 24.8 22.9 19.8 16.6	24.4 22.2 19.5 16.6	50 r Minu 16.6 15.8 13.8 12.2	9.9 8.6 6.9 5.6	PSI Má Shi Ot (PS 74 72 76 65	ut ff SI) 4 2 0
30 Gal 21.3 18.8 16.4 13.6	18.3 17.3 15.5 13.2 9.9	12.5 11.3 9.6 8.3 6.4 = 1.5HI	6.6 5.0 3.7 2.0 1.0 0 V	Max Shut Off (PSI) 70 68 66 63 59	Total Suction Lift in Feet 5' 10' 15' 20'	30 Gall 24.8 22.9 19.8 16.6	24.4 22.2 19.5 16.6	50 r Minu 16.6 15.8 13.8 12.2	9.9 8.6 6.9 5.6	PSI Má Shi Ot (PS 74 72 76 65	ut ff SI) 4 2 0
30 Gal 21.3 18.8 16.4 13.6	18.3 17.3 15.5 13.2 9.9	12.5 11.3 9.6 8.3 6.4 = 1.5HI	60 te 6.6 5.0 3.7 2.0 1.0 0	Max Shut Off (PSI) 70 68 66 63 59 SF	Total Suction Lift in Feet 5' 10' 15' 20'	30 Gall 24.8 22.9 19.8 16.6	24.4 22.2 19.5 16.6	50 r Minu 16.6 15.8 13.8 12.2	9.9 8.6 6.9 5.6	PSI Má Shi Ot (PS 74 72 76 65	ut ff SI) 4 2 0
30 Gal 21.3 18.8 16.4 13.6 10.0	18.3 17.3 15.5 13.2 9.9	12.5 11.3 9.6 8.3 6.4 = 1.5HI 115/23 230V	60 te 6.6 5.0 3.7 2.0 1.0 0 1.3	Max Shut Off (PSI) 70 68 66 63 59 SF	Total Suction Lift in Feet 5' 10' 15' 20'	30 Gall 24.8 22.9 19.8 16.6 12.5	24.4 22.2 19.5 16.6 12.4	16.6 15.8 13.8 12.2 10.4	9.9 8.6 6.9 5.6 3.6	PSI Ma Shi Of (PS 7/2 7/2 6/5 6/5	ut ff SI) 4 2 0
30 Gal 21.3 18.8 16.4 13.6 10.0	18.3 17.3 15.5 13.2 9.9 FJS15	12.5 11.3 9.6 8.3 6.4 = 1.5HI 115/23 230V	60 te 6.6 5.0 3.7 2.0 1.0 0 1.3	Max Shut Off (PSI) 70 68 66 63 59 SF	Total Suction Lift in Feet 5' 10' 15' 20'	30 Gall 24.8 22.9 19.8 16.6 12.5	24.4 22.2 19.5 16.6	16.6 15.8 13.8 12.2 10.4	9.9 8.6 6.9 5.6 3.6	PSI Ma Shi Of (PS 7/2 7/2 6/5 6/5	ut ff SI) 4 2 0
30 Gal 21.3 18.8 16.4 13.6 10.0	18.3 17.3 15.5 13.2 9.9 FJS15	12.5 11.3 9.6 8.3 6.4 = 1.5HI 115/23 230V EN5 & Fige Pres	60 te 6.6 5.0 3.7 2.0 1.0 0V 5.5 Sure -	Max Shut Off (PSI) 70 68 66 63 59 SF	Total Suction Lift in Feet 5' 10' 15' 20' 25'	30 Gall 24.8 22.9 19.8 16.6 12.5	24.4 22.2 19.5 16.6 12.4	16.6 15.8 13.8 12.2 10.4	9.9 8.6 6.9 5.6 3.6	PSI Ma Shi Oti (PS 74 72 65 65	ut ff SI) 4 2 0 7 5
30 Gal 21.3 18.8 16.4 13.6 10.0	lons Pe 18.3 17.3 15.5 13.2 9.9 FJS15 FJVE Dischar 40 lons Pe	12.5 11.3 9.6 8.3 6.4 = 1.5HI 115/23 230V EN5 & Fige Pres	60 te 6.6 5.0 3.7 2.0 1.0 0V 5JNOZ5 ssure -	Max Shut Off (PSI) 70 68 66 63 59 SF PSI Max Shut Of (PSI)	Total Suction Lift in Feet 5' 10' 15' 20' 25'	30 Gall 24.8 22.9 19.8 16.6 12.5	24.4 22.2 19.5 16.6 12.4	16.6 15.8 13.8 12.2 10.4	9.9 8.6 6.9 5.6 3.6	PSI Ma Shi Oti (PS 74 72 65 65	ut ff SI) 4 2 0 7 5
30 Gal 21.3 18.8 16.4 13.6 10.0	18.3 17.3 15.5 13.2 9.9 FJS15	12.5 11.3 9.6 8.3 6.4 = 1.5HI 115/23 230V EN5 & Fige Pres	60 te 6.6 5.0 3.7 2.0 1.0 0V 5.5 Sure -	Max Shut Off (PSI) 70 68 66 63 59 SF	Total Suction Lift in Feet 5' 10' 15' 20' 25'	30 Gall 24.8 22.9 19.8 16.6 12.5	24.4 22.2 19.5 16.6 12.4	16.6 15.8 13.8 12.2 10.4	9.9 8.6 6.9 5.6 3.6	PSI Ma Shi Oti (PS 74 72 65 65	ut ff SI) 4 2 0 7 5
	20 Gal 17.5 15.7 13.7 11.5 8.7	FJVEN Discharg 20 30 Gallons Pe 17.5 16.5 15.7 14.4 13.7 12.5 11.5 10.4 8.7 8.6 FJS07 = 1	115/230 115V FJVEN1 & FJ Discharge Press 20 30 40 Gallons Per Minu 17.5 16.5 10.2 15.7 14.4 9.2 13.7 12.5 8.0 11.5 10.4 7.1 8.7 8.6 6.2 FJS07 = 3/4HP 115/230 230V	115/230V 115V FJVEN1 & FJNOZ1 Discharge Pressure - F 20 30 40 50 Gallons Per Minute 17.5 16.5 10.2 5.0 15.7 14.4 9.2 4.3 13.7 12.5 8.0 3.6 11.5 10.4 7.1 2.3 8.7 8.6 6.2 1.3 FJS07 = 3/4HP 1.59 115/230V 230V	115/230V 115V FJVEN1 & FJNOZ1 Discharge Pressure - PSI 20 30 40 50 Max Shut Off (PSI) 17.5 16.5 10.2 5.0 63 15.7 14.4 9.2 4.3 61 13.7 12.5 8.0 3.6 59 11.5 10.4 7.1 2.3 57 8.7 8.6 6.2 1.3 54 FJS07 = 3/4HP 1.5SF 115/230V 230V	115/230V Voltage	115/230V Voltage Pre-Wired	115/230V Voltage Pre-Wired	115/230V Voltage 115/230V T15/230V Pre-Wired T15/230V T15/230V Pre-Wired T15/230V Pre-Wired	115/230V Voltage 115/230V	115/230V 115V Pre-Wired 115V FJVEN1 & FJNOZ1 Ven. & Noz. FJVEN2 & FJNOZ2

12.9

12.0

10.1

75

73

71

20.4

17.6

14.0

21.5

18.0

14.0

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Max Shut Off (PSI)

83

81

79 76

73

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15'

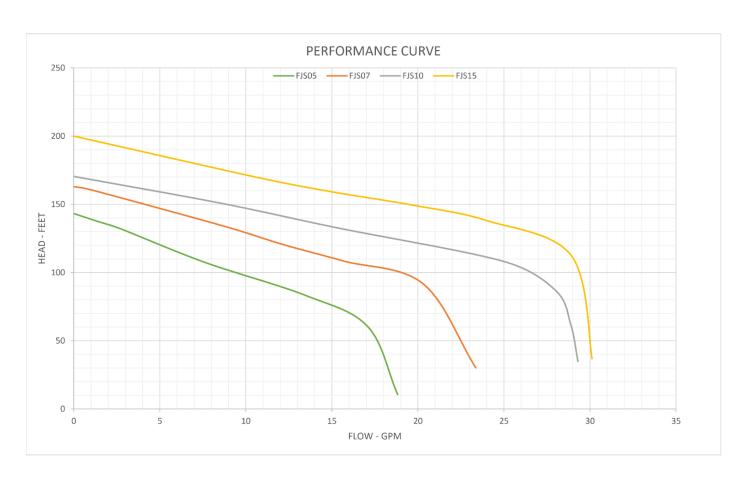
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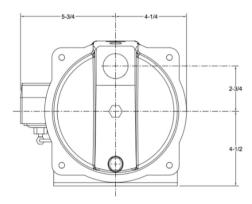
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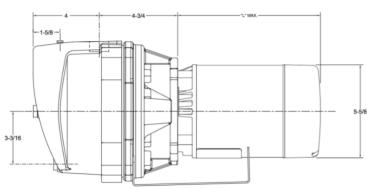
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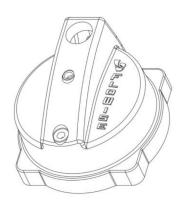
18.1

14.0









Pumps for Professionals Only !!!

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