



# J05X, J05K, J05L

CONVERTIBLE PUMP / TANK PACKAGES

### PUMP FEATURES

- **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.
  - Corrosion resistant, engineered plastic tubing and fittings.
- **Powered for Continuous Operation:** Pump ratings are within the motor manufacturer's recommended working limits. Can be operated continuously without damage.
- **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.

### TANK FEATURES

- **Maximum Working Pressure:** 100 PSI
- **Temperature Rating:** Maximum 120° F
- **Exterior Finish:** High durability exterior finish of tough, powder coat over a zinc phosphate surface treatment.
- Tanks are designed for installation indoors or where they are protected from rain, irrigation overspray, salt air and other corrosive environments. Always protect tanks from freezing.
- **Deep Drawn Steel Shells:** Provide maximum material strength.
- **Inner Shell:** Prevents diaphragm from over-expanding.
- **Heavy Duty Diaphragm:** Made of finest quality butyl rubber. Separates air and water, maintains air charge.
- **Interior Tank Lining:** Fusion bonded polymeric lining (durable polypropylene liner used on V15P). Both meet FDA requirements.
- **Maximum Working Pressure:** 100 PSI for V45MP and V60MP, 125 PSI for V15P.
- **Temperature Rating:** Maximum 120° F
- **Appliance Appearance Exterior Finish:** Two coat high performance protection system.
- **Heavy Duty Base:** Eliminates corrosion due to condensation and exposure to the elements. Made of high density polypropylene.

### APPLICATIONS

Home, farm and cottage water systems and booster service.

### SPECIFICATIONS

#### Pump:

- Pipe connections:
  - 1" NPT pressure
  - 1¼" NPT suction
  - 1" NPT discharge
- Pressure switch:
  - AS4 preset 30-50 PSI

#### Motor:

- NEMA service factor
- 60 Hz
- ½ HP, 115/230 V capacitor start
- 3500 RPM
- Built-in overload with automatic reset
- Stainless steel shaft

### ADDITIONAL COMPONENTS REQUIRED

- **Shallow Well Package:** Includes shallow well adapter, nozzle, venturi (diffuser), gasket, bolts and pipe plugs  
or
  - **Deep Well Package:** Choose either a twin pipe or packer style.
    - Twin pipe includes jet body, nozzle, venturi (diffuser) and foot valve.
    - Packer includes packer body, nozzle, venturi (diffuser), and built-in check valve.
- NOTE:** Packer systems also require a packer adapter on the wellhead.

### ORDER INFORMATION

Model No.	HP	Replacement Pump Model No.	Tank Model	Drawdown at	
				20/40 PSI	30/50 PSI
J05X	½	J5	V15P	1.7	1.4
J05K	½	J05LT	V45MP	5.1	4.3
J05L	½	J05LT	V60MP	7.3	6.1

### SHALLOW WELL PERFORMANCE RATINGS

HP/Model	½ HP - J05LT					½ HP - J05LT					
Shallow Well Package	FH5					FH5H (High Pressure Model)					
Adapter	4K62										
Nozzle	AN017					AN019					
Venturi	AD3731					AD3528					
		Discharge Pressure - PSI					Discharge Pressure - PSI				
Total Suction Lift (feet)	20	30	40	50	Max. Shut off (PSI)	20	30	40	50	60	Max. Shut off (PSI)
	Gallons per minute					Gallons per minute					
5	17.5	16.5	10.2	5.0	63	11.5	11.3	11.0	7.7	4.8	83
10	15.7	14.4	9.2	4.3	61	10.3	10.0	9.6	7.0	4.2	81
15	13.7	12.5	8.0	3.6	59	8.8	8.6	8.3	6.3	3.7	79
20	11.5	10.4	7.1	2.3	57	7.0	7.0	6.8	5.8	3.2	76
25	8.7	8.6	6.2	1.3	54	5.3	5.2	5.2	5.0	2.8	73

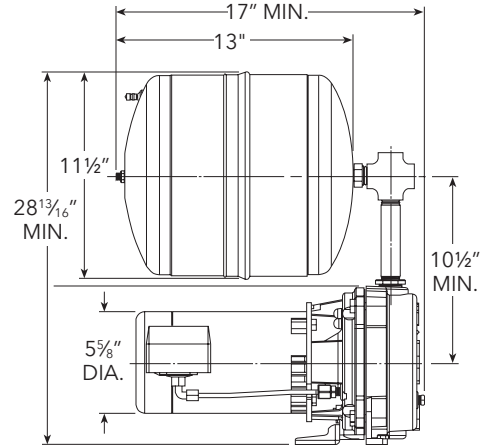
### TWIN PIPE PERFORMANCE RATINGS

HP/Model	½ HP - J05LT			
Well Casing min. I.D.	4		4½	
Pressure	Pipe Size (in.)		1	
Suction	Pipe Size (in.)		1¼	
① Jet Assembly Package	FT4-13	FT4-31	FT4-08	FT5-14
Jet Body (only)	AT4		AT5	
Nozzle	AN017	AN016	AN015	AN018
Venturi	AD726	AD723	AD720	AD724
Control Valve Setting (PSI)	30	30	30	30
		Feet		
		30-50 PSI		
Depth to Jet Assembly (based on submergence of 5 feet)	30	13.0	11.0	
	40	11.8	9.0	
	50		7.6	6.9
	60		7.0	5.2
	70			4.7
	80			3.8
	90			3.1
	100			4.1

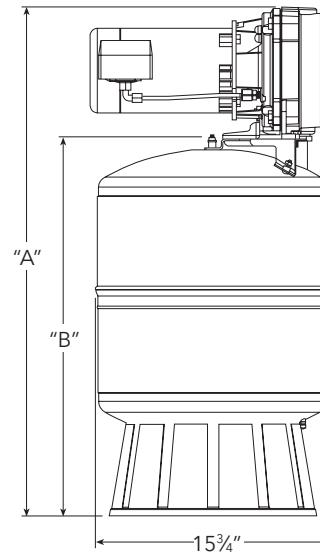
① Jet assembly package includes:  
jet body, nozzle, Venturi and foot valve.

### SYSTEM DIMENSIONS

Model	Tank	Tank Wt. (lb.)	Total Wt. (lb.)
J05X	V15P	11.9	63



Model	A (in.)	B (in.)	Tank	Tank Wt. (lb.)	Total Wt. (lb.)
J05K	34.2	25.5	V45MP	27.8	71.0
J05L	41.7	33.0	V60MP	40.0	83.0



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