

JP SERIES FEATURES AND BENEFITS

All models are designed for shallow well application and have the following features:

Self priming and excellent suction lift up to 8m (26'), including inlet-pipe pressure loss at a liquid temperature of 20°C (68° F)

High quality pressure switch for auto stop/start

Robust end suction design with top discharge

Corrosion-resistant stainless steel construction

Thermal and overload protection

Stainless Steel pumps: Dual voltage 115/230V; Cast iron pumps are 230V direct wired

Built-in ejector complete with clean-out port to clear blockages from nozzle

Inlet and outlet connection 1" NPT (F) for Stainless models

Motor is air-cooled with greased for life sealed bearings

Motor is single phase with a built-in thermal switch for complete motor protection

MODEL SPECIFIC FEATURES

Model	Part Number	HP	Voltage	Max. Flow	Max. Head	Sound Level	Weight	Comment
Stainless Steel								
JP 18 05 154	99463939	1/2	115/230	18 gpm / 4 m ³ h	47 m / 154'	70 dB	10.6 kg / 23.4 lb	Suitable for 6-10 taps or 13.2-17.6 gpm (3-4 m ³ h)
JP 18 07 177	99463940	3/4	115/230	18 gpm / 4 m ³ h	54 m / 177'	74 dB	12.4 kg / 27.4 lb	Suitable for 6-10 taps or 13.2-17.6 gpm (3-4 m ³ h)
JP 22 10 157	99463941	1	115/230	22 gpm / 5 m ³ h	48 m / 157'	81 dB	14.1 kg / 31.1 lb	Suitable for 11-20 taps or 17.6-22 gpm (3-4 m ³ h)
Cast Iron								
JP 15S-CI	97855091	1 1/2	230	18 gpm / 4.0 m ³ h	61 m / 200'	83 dB	30.8 kg / 68 lbs	Recommended for irrigation
JP 20S-CI	97855094	2	230	30 gpm / 6.82 m ³ h	61 m / 200'	86 dB	34.9 kg / 77 lbs	Recommended for irrigation
JP 30S-CI	97855095	3	230	45 gpm / 10.21m ³ h	52 m / 170'	88 dB	32.2 kg / 71 lbs	Recommended for irrigation
EXISTING Cast iron Jet pumps: Inlet 1.25" NPT (F) and outlet connection 1" NPT (F)								
Jet Pump and Stainless Steel Tank Package								
JP 18 05 154	91580125	1/2	115/230	18 gpm / 4 m ³ h	47 m / 154'	70 dB	16.3 kg / 36 lbs	Suitable for 6-10 taps or 13.2-17.6 gpm (3-4 m ³ h)
Includes a 6 gallon (24L) SS tank and all fittings between pump and tank. All components are mounted and ready for installation								

Operating Conditions

System pressure: maximum 87 psi (6 bar/0.60 MPa)

Liquid temperature: Max 40° C (104° F) (S1) / 60° C (140° F) (S3)*

Ambient temperature: Max 40° C (104° F) (S1) / 55° C (131° F) (S3)*

Relative humidity: Maximum 98%

Enclosure class: IP44

Insulation class: F

Start/stop frequency: Maximum 20 per hour

*S3 means that the pump will run in intermittent operation to cool down the motor

New Part Number Updates

Model	Current Part #	New Model	Replacement Part #
JP05S-CI, Shallow Well, Cast Iron	97855073	JP 18 05 154 1x115/230V 60 Hz	99463939
JP05S-SS, Shallow Well, Stainless	97855075		
JP07S-CI, Shallow Well, Cast Iron	97855081	JP 18 07 177 1x115/230V 60 Hz	99463940
JP07S-SS, Shallow Well, Stainless	97855083		
JP10S-CI, Shallow Well, Cast Iron	97855085	JP 22 10 157 1x115/230V 60 Hz	99463941
JP10S-SS, Shallow Well, Stainless	97855088		
JP15S-CI, Shallow Well, Cast Iron, w/Shaft Seal SIC/CARB EPDM	91584927	Obsolete	No Replacement
JP20S-CI, Shallow Well, Cast Iron, w/Shaft Seal SIC/CARB EPDM	91584928	Obsolete	No Replacement
JP05D-CI, Deep Well, Cast Iron	97855072	Obsolete	No Replacement
JP07D-CI, Deep Well, Cast Iron	97855080	Obsolete	No Replacement
JP15D-CI, Deep Well, Cast Iron	97855090	Obsolete	No Replacement
JP20D-CI, Deep Well, Cast Iron	97855093	Obsolete	No Replacement
JP05S-CI, Tank Package, Shallow Well, Cast Iron	91580127	Obsolete	No Replacement