

IRRIGATION PUMPING STATIONS
VERTICAL PUMPS

THINKING GREEN



WATER & ENERGY CONSERVATION

SAVINGS

▶ Moisture Monitoring



▶ Multiple Pivot Applications



▶ Variable Water Levels



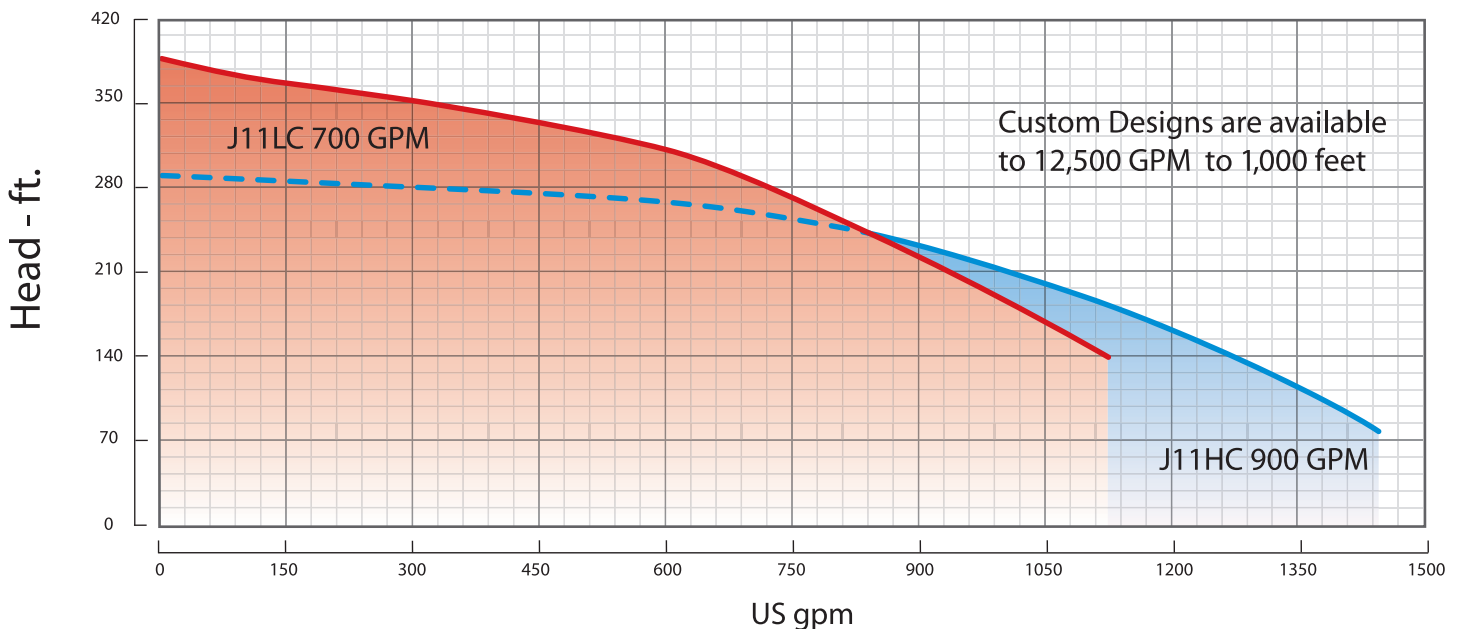
▶ Variable Water Sources
Well · Ditch · Lagoon



OPERATIONAL FEATURES

- ▶ Constant Pressure At Variable Flow
- ▶ Soft Start, Reduced Voltage Starting
- ▶ Plug & Play System
- ▶ Cutting Edge PLC (Programmable Logic Controller) and User Interface Maintains Optimum System Performance
- ▶ Simplex, Duplex & Custom Designs

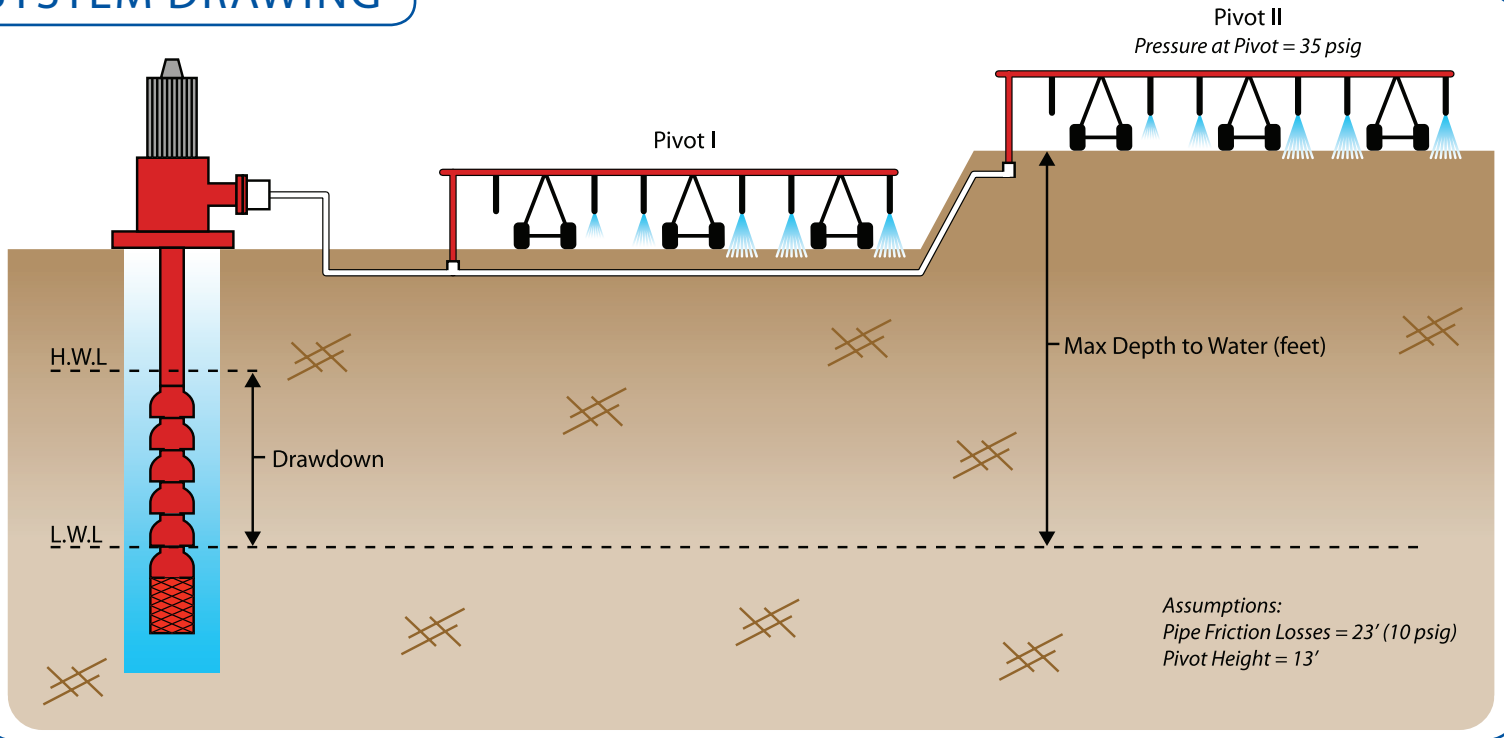
PERFORMANCE RANGE



TECHNICAL DATA

Flow (USGPM)	Head ft. (psig)	HP	Pkg. Model	Max Depth to Water (ft.)	Pump Model	Stages	RPM	Impeller Trim
700	192 (83)	40	700-192-40	75'	J11LC	4	1770	8.273"
700	240 (104)	50	700-240-50	123'	J11LC	4	1770	8.805"
700	290 (126)	60	700-290-60	173'	J11LC	5	1770	8.715"
900	148 (65)	40	900-148-40	31'	J11HC	3	1770	7.890"
900	185 (80)	50	900-185-50	68'	J11HC	3	1770	8.378"
900	225 (98)	60	900-225-60	108'	J11HC	4	1770	8.190"

SYSTEM DRAWING



PACKAGE COMPONENTS

- ▶ National Line Shaft Turbine Pump (*Bowl Assembly, Head, Column Assembly - Water or Oil Lubricated, Basket Strainer*)
- ▶ VHS Motor with Coupling, 3/60/460V, VFD Compatible
- ▶ NEMA 3 VFD Control Panel with PLC and User Interface
- ▶ Transducer, 0 - 150 psig
- ▶ Isolation Valve, Gear Operated
- ▶ Check Valve
- ▶ Baseplate, Powder Coated, 3" Channel Framed, 1/2" Deck