KR TWIN

Ready-to-connect rainwater harvesting system



Description

Ready-to-connect rainwater harvesting system for schools, companies, and medium-sized applications, designed to supply toilets, washing machines, and outdoor taps, as well as for watering, irrigation, and cleaning activities.

KRTWIN ensures automatic supply of a rainwater network from a rainwater tank. The 200 liters intermediate tank of KR TWIN , supplied by the municipal water system ("city water"), ensures continuous delivery to the distribution network whenever the available rainwater volume is insufficient.

Switching between rainwater and municipal water, and vice versa, is performed automatically via the self-priming 3-way solenoid valve installed on the pump suction line, depending on the rainwater level indicated by a float switch.

Plus

1. Super silent system <50 dB(A) with amphibious IP 68 intelligent pumps that do not fear moisture and water.

2. Super easy and smart installation, as the pumps with inverter integrated or with pressure and flow switch built in, are plug-andplay and ready to operate immediately.

3. Customizable design, pumps models (all Intelly and Evolution families) and tank size

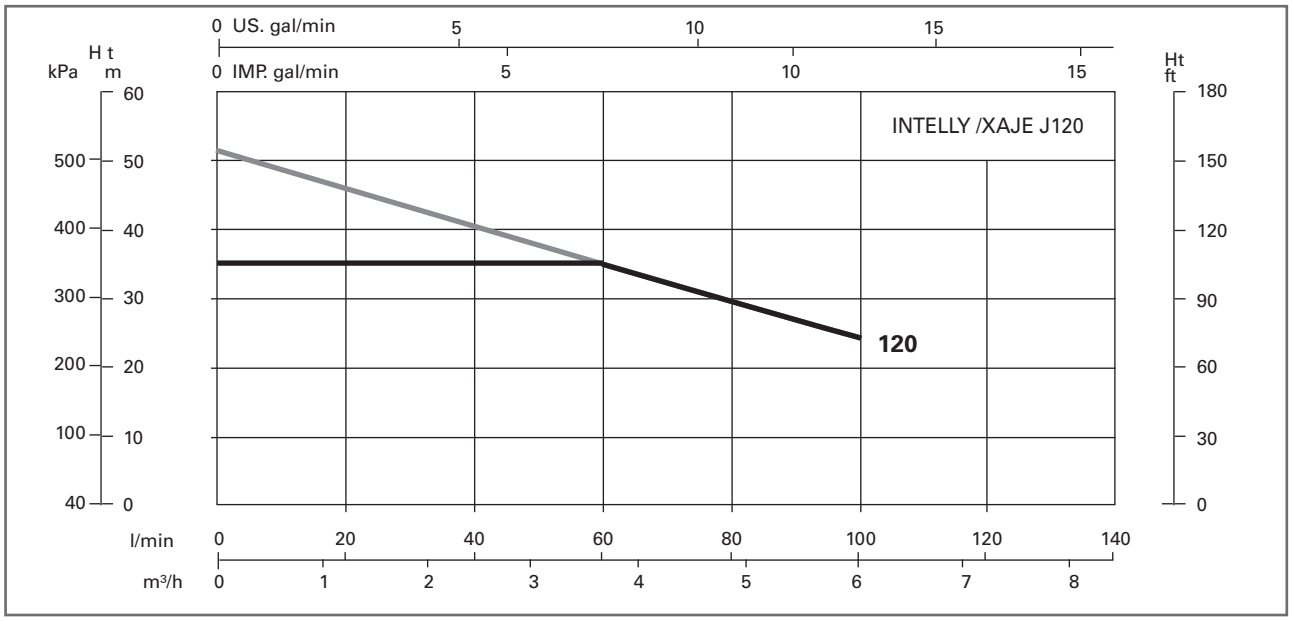
4. Advanced self-diagnosis features of the pumps to detect potential issues in the entire system and in specific applications.

Technical Data

- Maximum flow rate: 102 l/min,
- Maximum head: 52 m, Liquid
- Temperature: +5°C to +55°C
- Maximum network pressure: 4 bar.
- Minimum network flow rate: 10 l/min
- Maximum height of the highest point of use:20m;
- Power supply: 220–240 V, 50 Hz;
- Maximum input current: 5.9+5.9 A;
- Ambient temperature:+5°C to +40°C;
- Network inlet pipe size: 3/4"
- Water ph: 4–9 ph (rainwater);
- Dry weight: 90 kg;
- Operating weight: 290 kg

Code	P_2 Nom.		1 ~ 50Hz Amp.	Q (l/m) FLOW							Dimensions mm			Weight Kg	Tank size lt
				0	10	20	30	40	50	60					
	Hp	kW	230 V	Total Hm in CA							L	H	P		
KR TWIN INTELLY J120	1,2+1,2	0,90+0,90	5,9+5,9	102	90	80	68	60	48	16	620	1474	720	90	200
KR TWIN XAJE 120 SD	1,2+1,2	0,90+0,90	5,9+5,9	102	90	80	68	60	48	16	890	620	1300	90	200

Curves and performance η = 2900 1/min



Legend

1) Steel frame;
2) Adjustable vibration dampers;
3) Pump model self priming: Intelly J120 or Xaje J120;
4) Three-way motorized valve;
5) Brass valve;
6) Adaptor;
7) 1" suction pipe;
8) Adaptor;
9) Brass valve;
10) Overflow 2";
11) 200L tank cat.5;
12) Brass valve check;
13) Manifold
14) Expansion vessel;
15) Flow direction frame with sprinkler;
16) Electrovalve;
17) Elbow;
18) NRing;
20) Flexible hose,
21) Inverter Intelly screen for setting, parameters and connection;
22) Rain water smart tank panel.

