

Self-priming "JET" pumps

-  Clean water
-  Domestic use
-  Civil use



PERFORMANCE RANGE

- Flow rate up to **70 l/min** (4.2 m³/h)
- Head up to **58 m**

APPLICATION LIMITS

- Manometric suction lift up to **9 m** (HS)
- Liquid temperature between **-10 °C** and **+40 °C**
- Ambient temperature up to **+40 °C**
- Max. working pressure **6 bar**
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

EN 60335-1
IEC 60335-1
CEI 61-150

EN 60034-1
IEC 60034-1
CEI 2-3



CERTIFICATIONS

Company with management system certified DNV
ISO 9001: QUALITY
ISO 14001: ENVIRONMENT



INSTALLATION AND USE

Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. The self-priming **JSW** pumps are designed to pump water even in cases where air is present. Because of their reliability and the fact that they are easy to use, they are recommended for use in domestic applications such as the distribution of water in combination with small or medium sized pressure tanks, and for the irrigation of gardens and orchards, etc. The pump should be installed in an enclosed environment or sheltered from inclement weather.

PATENTS - TRADE MARKS - MODELS

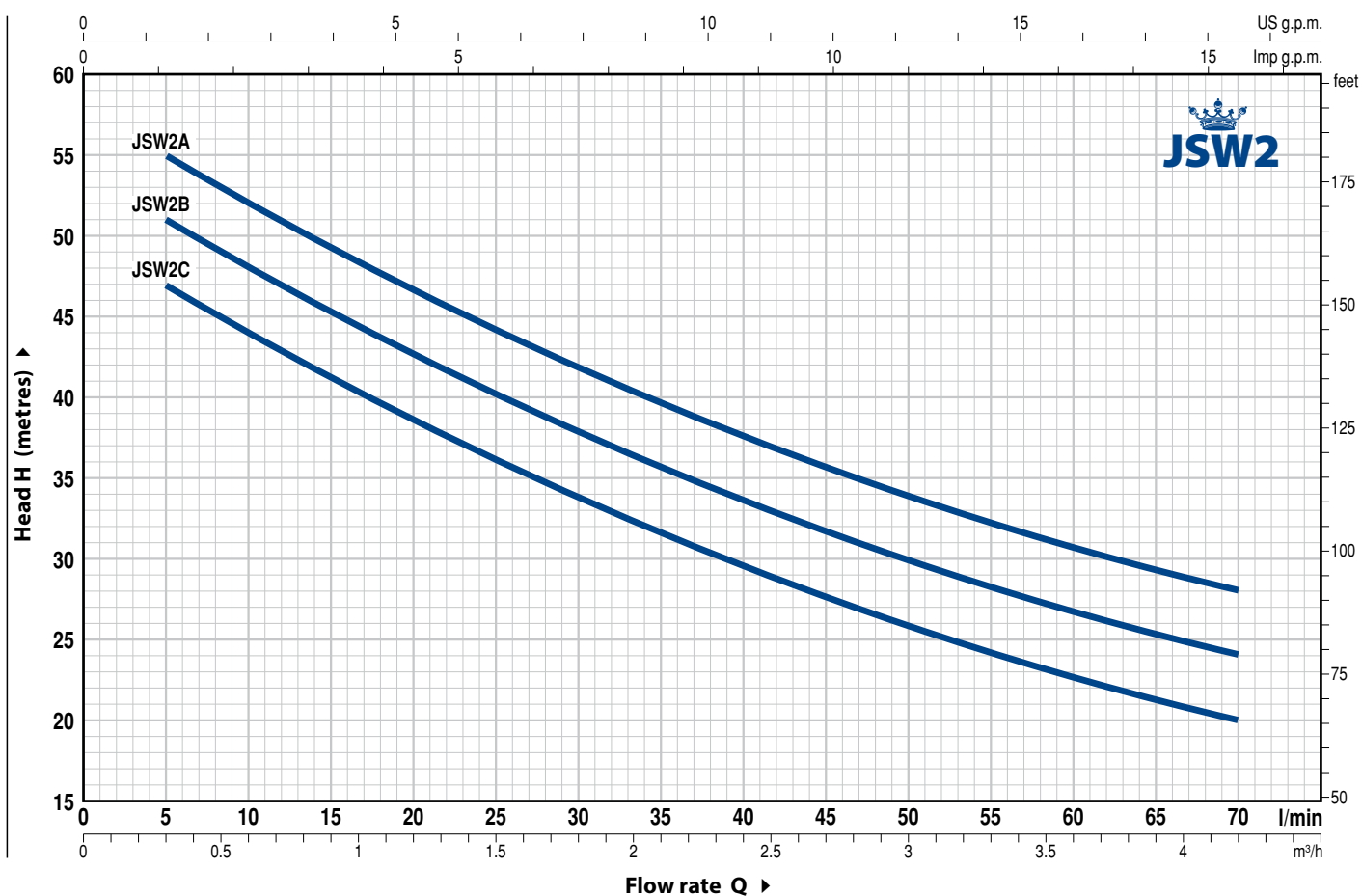
- Registered Trade Mark n. 013073135 JSW[®]
- Registered EU Design n. 002218610-0002
- European Patent n. 1 510 696

OPTIONS AVAILABLE ON REQUEST

- Other voltages or 60 Hz frequency
- Pumps with technopolymer impeller

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 rpm HS= 0 m

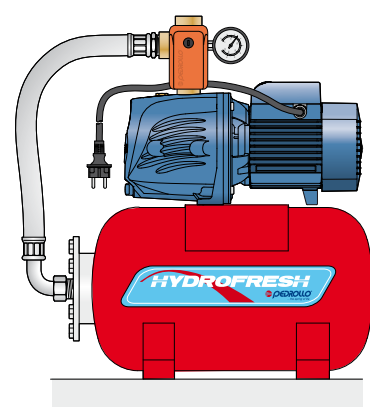
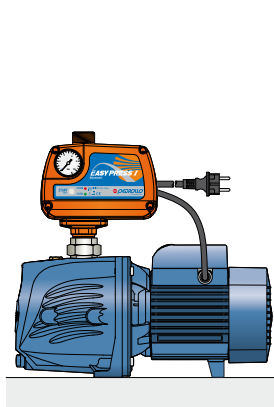
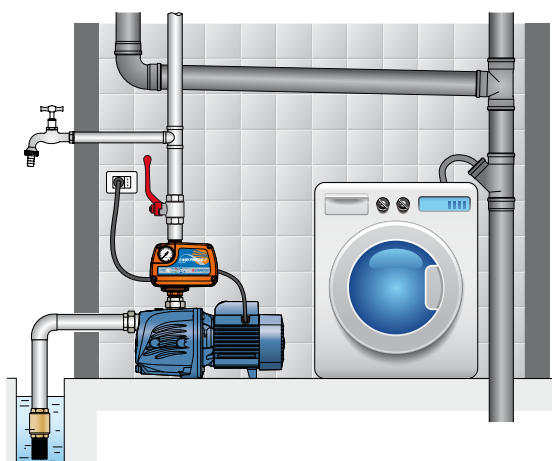


MODEL		POWER (P ₂)		Q												
Single-phase	Three-phase	kW	HP		m ³ /h	0	0.3	0.6	1.2	1.5	1.8	2.4	2.7	3.0	3.6	4.2
					l/min	0	5	10	20	25	30	40	45	50	60	70
JSWm 2C	JSW 2C	0.75	1	H metres		50	47	44	38.5	36	34	29.5	27.5	26	22.5	20
JSWm 2B	JSW 2B	0.90	1.25			54	51	48	42.5	40	38	33.5	31.5	30	26.5	24
JSWm 2A	JSW 2A	1.1	1.5			58	55	52	46.5	44	42	37.5	35.5	34	31	28

Q = Flow rate H = Total manometric head HS = Suction height

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

STANDARD INSTALLATION



POS. COMPONENT		CONSTRUCTION CHARACTERISTICS				
1	PUMP BODY	Cast iron with an Epoxy Electro Coating treatment, with threaded ports in compliance with ISO 228/1				
2	BODY BACKPLATE	Stainless steel AISI 304				
3	NOZZLE ASSEMBLY	Noryl FE1520PW				
4	IMPELLER	Stainless steel AISI 304				
5	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104				
6	MECHANICAL SEAL	<i>Seal Model</i>	<i>Shaft Diameter</i>	<i>Stationary ring</i>	<i>Materials Rotational ring</i>	<i>Elastomer</i>
		AR-14	Ø 14 mm	Ceramic	Graphite	NBR
7	BEARINGS	6203 ZZ / 6203 ZZ				
8	CAPACITOR	<i>Pump Single-phase</i>	<i>Capacitance (230 V or 240 V)</i>	<i>(110 V)</i>		
		JSWm 2C	20 µF - 450 VL	60 µF - 300 VL		
		JSWm 2B	25 µF - 450 VL	60 µF - 300 VL		
		JSWm 2A	25 µF - 450 VL	60 µF - 300 VL		
9	ELECTRIC MOTOR	JSWm: single-phase 230 V - 50 Hz with thermal overload protector incorporated into the winding. JSW: three-phase 230/400 V - 50 Hz. ➡ The three-phase pumps are fitted with high performance motors in class IE2 (IEC 60034-30) – Insulation: class F – Protection: IP X4				

