

- ✓ **CLEAN WATER**
- ✓ **DOMESTIC USE**
- ✓ **CIVIL USE**



PERFORMANCE RANGE

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

INSTALLATION AND USE

JSW self-priming pumps are designed to draw water and liquids that contain air.

They are reliable and easy to operate. They are a favorite for domestic use, particularly effective for water distribution with small to medium-sized pressure tanks and suitable for irrigation.

APPLICATION LIMITS

- Manometric suction head up to **9 m** (HS)
- Liquid temperature between **-10 °C** and **+40 °C**
- Ambient temperature up to **+40 °C**
- Maximum working pressure **6 bar**

AVAILABLE UPON REQUEST

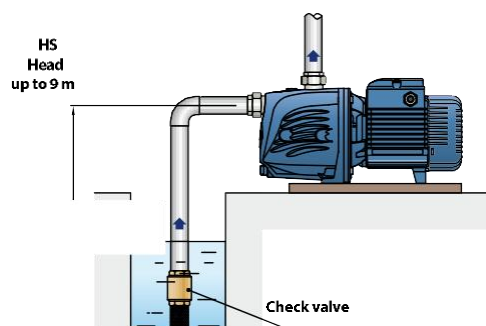
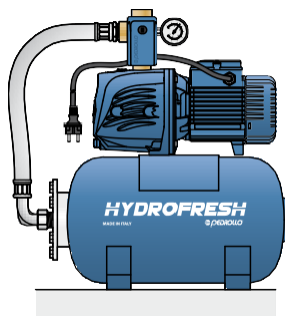
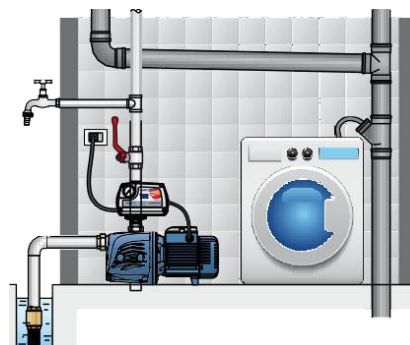
- Techno polymer impeller (JSW X) (cost-effective version)
- Different voltage requirements 60 Hz frequency

PATENTS - TRADE MARKS - MODELS

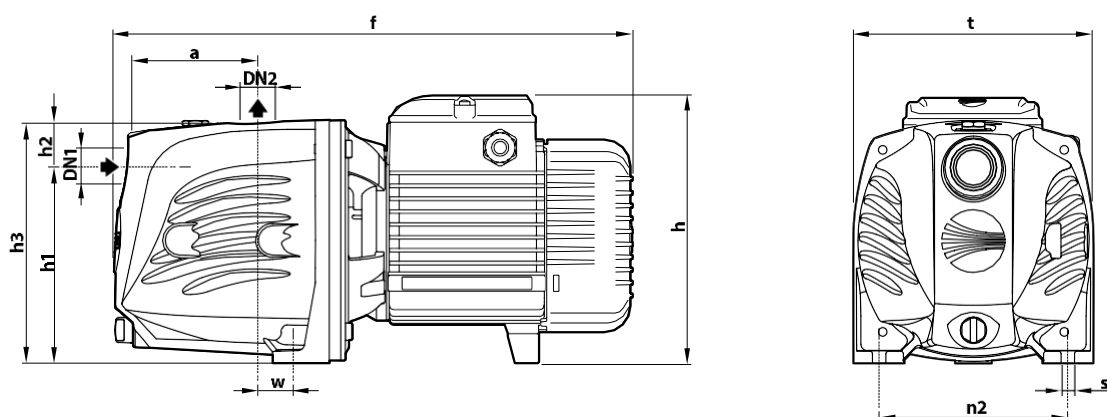
- **JSW**® Registered trademark No. 013073135
- Registered Community Model No. 002218610
- European Patent No. 1 510 696



EXAMPLES OF INSTALLATION



DIMENSIONS AND WEIGHT



(*) h=220 mm for single-phase 110 V versions

TYPE		PORTS		DIMENSIONS mm										kg	
Single-ph.	Three- ph.	DN1	DN2	a	f	h	h1	h2	h3	t	n2	w	s	1~	3~
JSWm 2A	JSW 2A	1"	1"	96	389	200*	147	33	180	180	142	22	10	15.0	14.0

ABSORPTION

Type	VOLTAGE
Single-phase	230 V-t
JSWm 2 A	6.0A

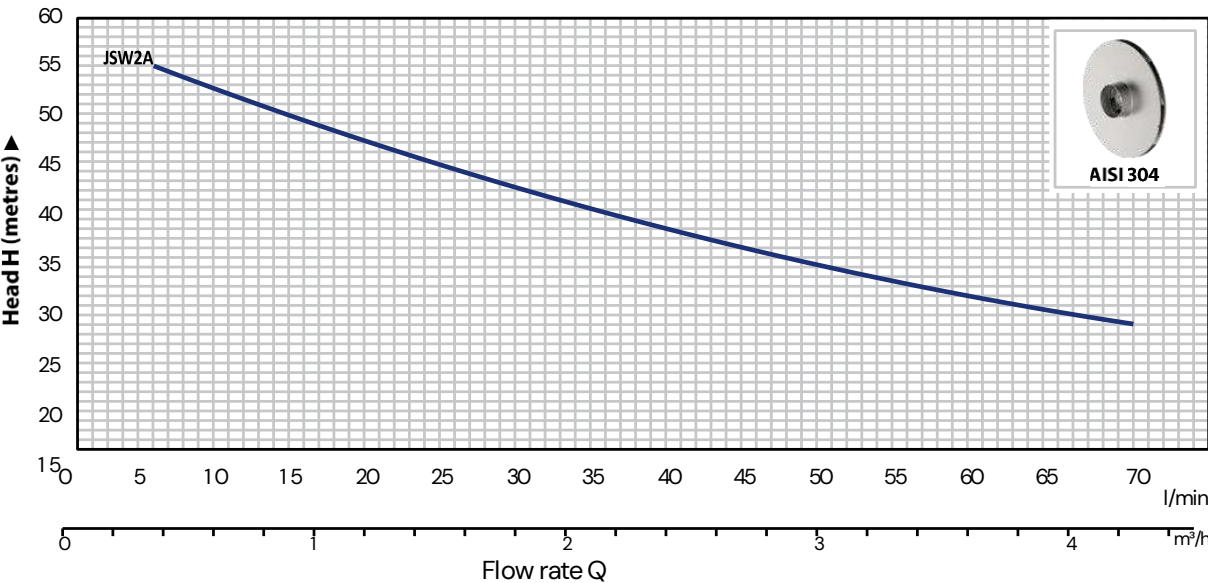
Type	VOLTAGE	
Three-phase	230 V-t	400 V - s
JSW 2 A	5.2A	3.0A



PALLET CAPACITY

TYPE		NO. OF PUMPS
Single-ph.	Three-ph.	
JSWm 2A	JSW 2A	72

CURVES AND PERFORMANCE DATA – HS=50 m



Q = Flow rate H = Total manometric head HS = Suction height Performance curves comply with EN ISO 9906
Grade 3B tolerance limits

TYPE		POWER (P2)				Q m³/h l/min H metres	0	0.3	0.6	1.2	1.8	2.4	2.7	3.0	3.6	4.2
Single-ph.	Three-ph.	kW	HP	1~	3~		0	5	10	20	30	40	45	50	60	70
JSWm 2A	JSW 2A	0.90	1.25	IE2	IE3		58	55	52	46.5	42	37.5	35.5	34	31	28



MATERIALS AND COMPONENTS

1 Pump body Cast iron with cataphoretic treatment, provided with ISO 228/1 threaded ports (for JSW 1) Cast iron with ISO 228/1 threaded ports (for JSW 2)

2 Cover Stainless steel **AISI 304**

3 Ejector unit Noryl™

4 Impeller Stainless steel **AISI 304**

5 Mechanical seal	Water pump	Seal	Shaft	Materials
JSW1	AR-12	Ø 12 mm	Ceramic / Graphite / NBR	
JSW2	AR-14	Ø 14 mm	Ceramic / Graphite / NBR	

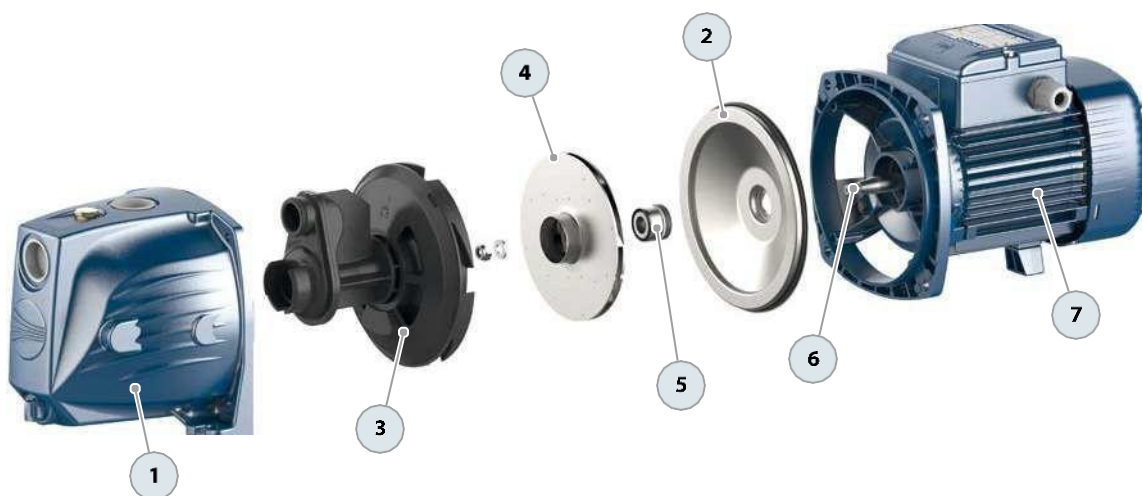
6 Motor shaft Stainless steel **AISI 431**

7 Electric motor

JSWm: single-phase 230 V – 50 Hz with winding integrated thermal motor protection
JSW: three-phase 230/400 V – 50 Hz

※ Pumps are equipped with high-efficiency motors (IEC 60034-30-1)
 class **IE2** for single-phase
 models class **IE3** for three-phase models

- Continuous running duty **S1**
- Insulation: CLASS F
- Protection rating: IP X4



- ✓ CLEAN WATER
- ✓ DOMESTIC USE
- ✓ CIVIL USE
- ✓ INDUSTRIAL USE



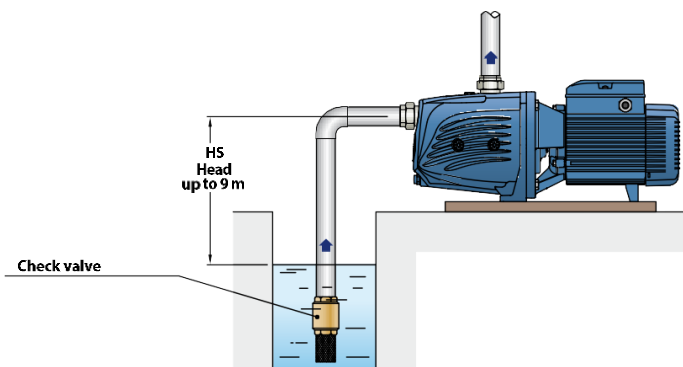
PERFORMANCE RANGE

- Flow rate up to **160 l/min** (9.6 m³/h)
- Head up to **97 m**

INSTALLATION AND USE

JSW self-priming pumps are designed to draw water and liquids that contain air.

They are reliable and easy to operate. They are a favorite for domestic use, particularly effective for water distribution with small to medium-sized pressure tanks and suitable for irrigation.



APPLICATION LIMITS

- Manometric suction head up to **9 m** (HS)
- Liquid temperature between **-10 °C** and **+40 °C**
- Ambient temperature up to **+40 °C**
- Maximum working pressure of **10 bar**

AVAILABLE UPON REQUEST

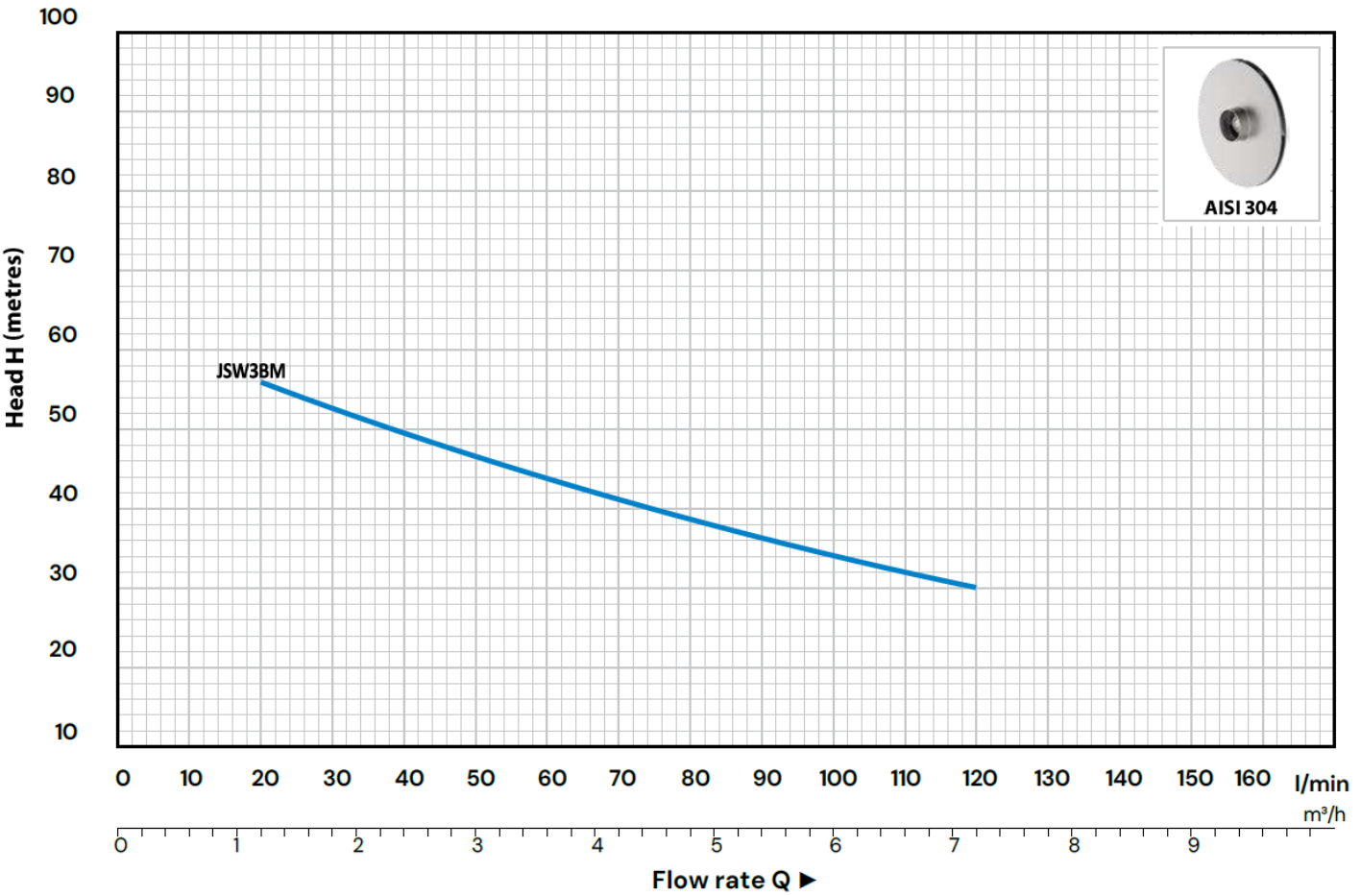
- IPX5 protection
- Different voltage requirements 60 Hz frequency

PATENTS – TRADE MARKS – MODELS

- JSW® Registered trademark No. 013073135
- Registered Community Model No. 002218610



CURVES AND PERFORMANCE DATA – HS=0 m 50 Hz



TYPE		POWER (P2)		1~	3~	Q	m³/h 0 0.6 1.2 1.8 2.4 3.0 3.6 4.2 4.8 6.0 7.2 8.4 9.6												
Single-ph.	Three-ph.	kW	HP				l/min 0 10 20 30 40 50 60 70 80 100 120 140 160												
JSWm 3BM	JSW 3BM	1.5	2	IE2	IE3	H metres	63	–	56	53	49.5	47.5	44	41	39	34	30		

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

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

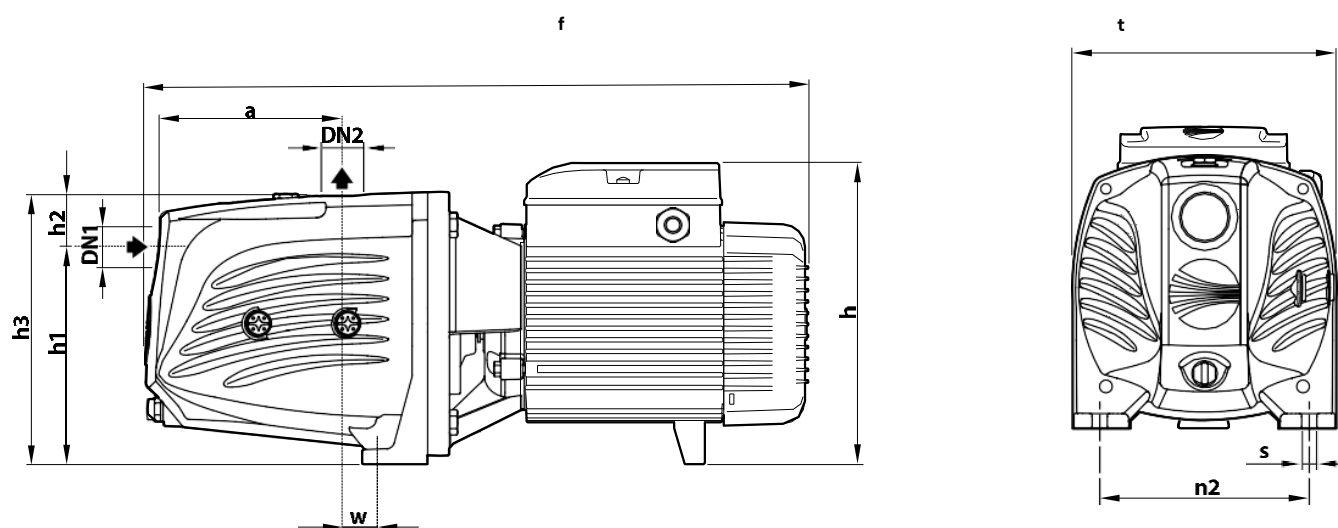


ABSORPTION

TYPE	VOLTAGE
Single-phase	230V
JSW 3BM	9.7A

TYPE	VOLTAGE	
	230V - Δ	400V - Δ
JSW 3BM	6.1 A	3.5 A

DIMENSIONS AND WEIGHT



TYPE		PORTS		DIMENSIONS (mm)										kg	
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	h3	t	n2	w	s	1~	3~
JSWm 3BM	JSW 3BM	1 1/4"	1"	143	522	240	165	39	204	206	164	30	11	25.7	25.7

PALLET CAPACITY

TYPE			NO. OF PUMPS
Single-phase	Three-phase		
JSWm 3BM	JSW 3BM		35



MATERIALS AND COMPONENTS

1 Pump body	Cast iron with cataphoresis treatment, provided with ISO 228/1 threaded ports		
2 Cover	Cast iron with cataphoresis treatment		
3 Ejector unit	Noryl™		
4 Impeller	Stainless steel AISI 304		
5 Mechanical seal	Seal FN-18	Shaft Ø 18 mm	Materials Graphite / Ceramic / NBR
6 Motor shaft	Stainless steel AISI 431		
7 Electric motor	JSWm: single-phase 230 V - 50 Hz with winding integrated thermal motor protection JSW: three-phase 230/400 V - 50 Hz ※ Pumps are equipped with high-efficiency motors (IEC 60034-30-1) class IE2 for single-phase models class IE3 for three-phase models – Continuous running duty S1 – Insulation: CLASS F – Protection rating: IP X4		

