



PERFORMANCE RANGE

- Flow rate up to **50 l/min** (3 m³/h)
- Head up to **47 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



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. As a result 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 sets, and for the irrigation of gardens and allotments, etc.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

PATENTS - TRADE MARKS - MODELS

- Registered Italian model n° 72753
- European Patent n° 1 510 696

OPTIONALS AVAILABLE ON REQUEST

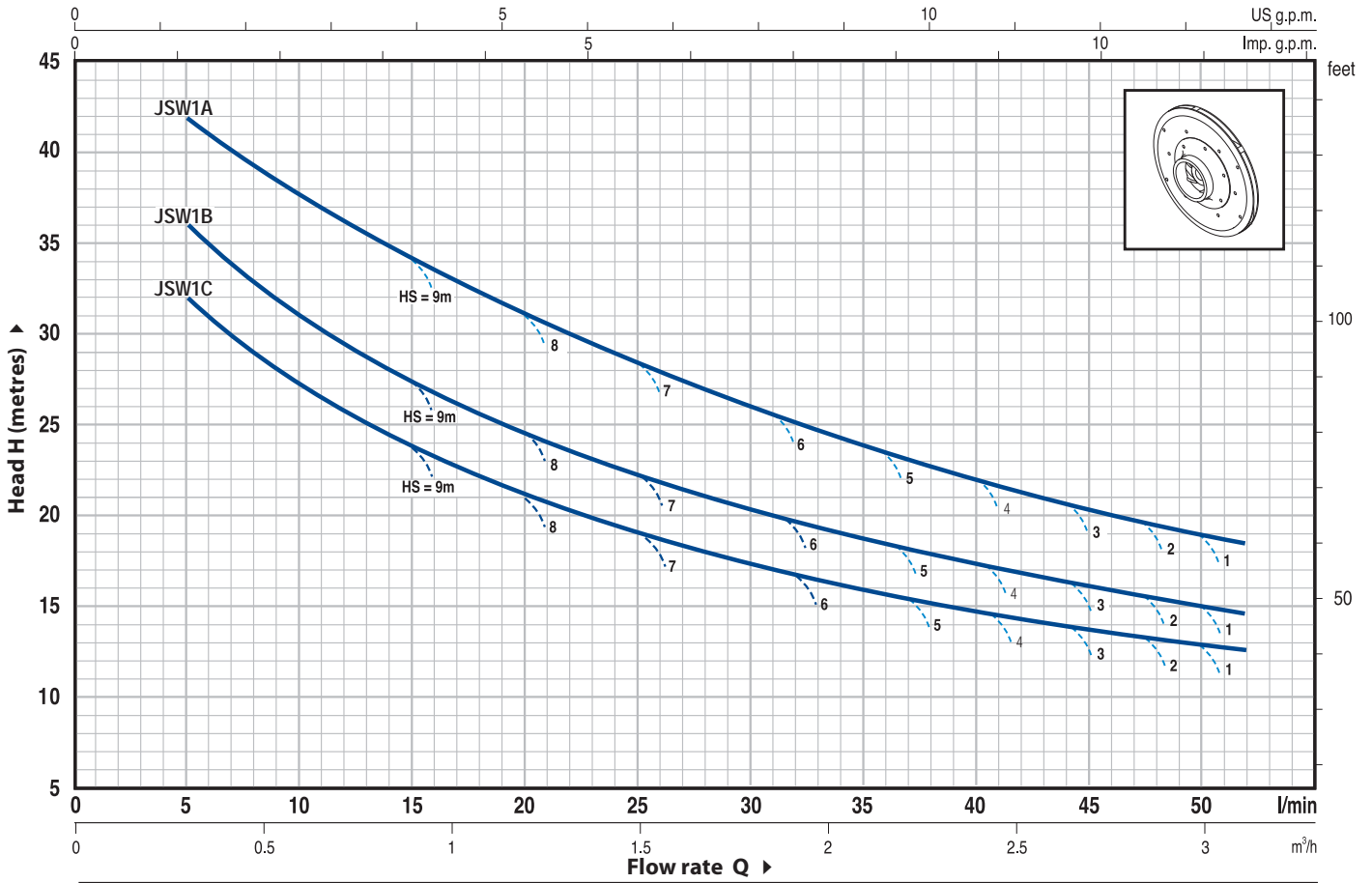
- Pumps with technopolymer impeller
- Other voltages or 60 Hz frequency

GUARANTEE

2 years subject to terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m

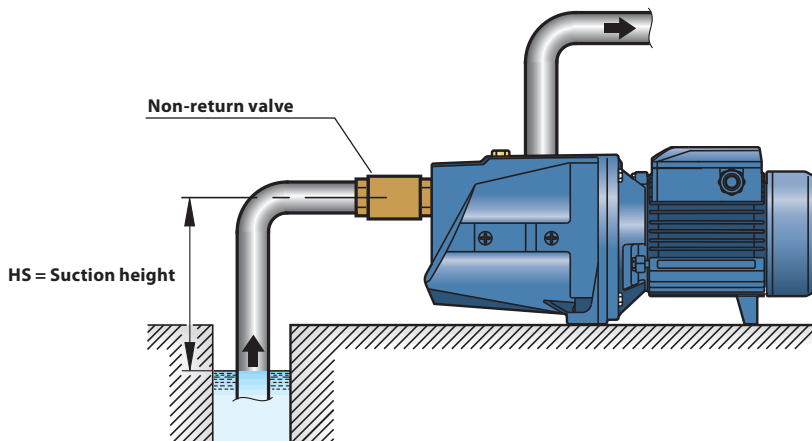


MODEL		POWER		Q	Flow rate														
Single-phase	Three-phase	kW	HP		0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0				
JSWm 1C	-	0.37	0.50	H metres	35	32	27	24	21	19	17	16	15	14	13				
JSWm 1B	JSW 1B	0.50	0.70		41	36	31	27	24	22	20	19	17	16	15				
JSWm 1A	JSW 1A	0.60	0.85		47	42	38	34	31	28.5	26	24	22	21.5	19				

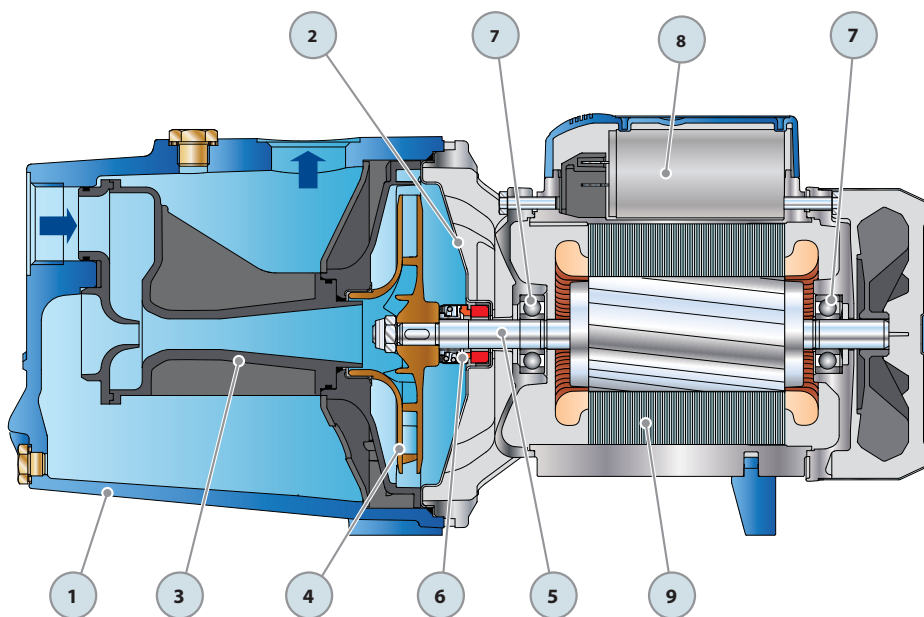
Q = Flow rate H = Total manometric head HS = Suction height

Tolerance of characteristic curves in compliance with EN ISO 9906 App. A.

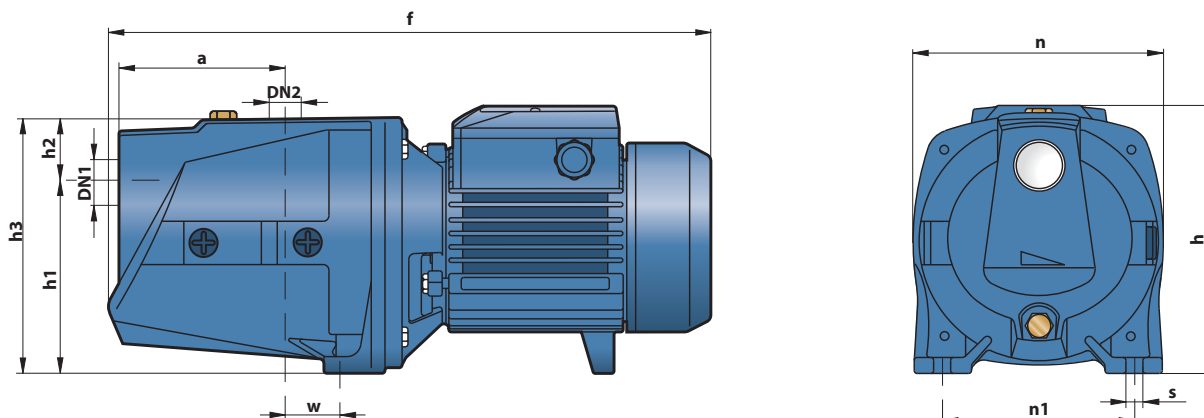
INSTALLATION EXAMPLE



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS					
1	PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO 228/1					
2	BODY BACKPLATE	Stainless steel AISI 304					
3	NOZZLE ASSEMBLY	Noryl GFN2V					
4	IMPELLER	Brass					
5	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104					
6	MECHANICAL SEAL	<i>Seal</i>	<i>Shaft</i>	<i>Materials</i>			
		<i>Model</i>	<i>Diameter</i>	<i>Stationary ring</i>	<i>Rotational ring</i>	<i>Elastomer</i>	
		AR-12	Ø 12 mm	Ceramic	Graphite	NBR	
7	BEARINGS	6201 ZZ / 6201 ZZ					
8	CAPACITOR	<i>Pump</i>	<i>Capacitance</i>				
		<i>Single-phase</i>	<i>(230 V or 240 V)</i>		<i>(110 V)</i>		
		JSWm 1C	10 µF 450 VL	25 µF 250 VL			
		JSWm 1B	10 µF 450 VL	30 µF 250 VL			
		JSWm 1A	14 µF 450 VL	30 µF 250 VL			
9	ELECTRIC MOTOR	JSWm: single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding. JSW: three-phase 230/400 V - 50 Hz. ➔ Pumps fitted with the three-phase motor option offer IE2 (IEC 60034-30) class high performance – Insulation: F class. – Protection: IP 44.					



DIMENSIONS AND WEIGHT



MODEL		PORTS		DIMENSIONS mm										kg	
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	h3	n	n1	w	s	1~	3~
JSWm 1C	-	1"	1"	115	379	171	127	33.5	160.5	160	124	24	10	9.2	-
JSWm 1B	JSW 1B													10.0	9.5
JSWm 1A	JSW 1A													10.3	10.1

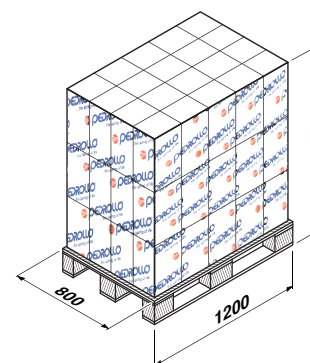
ABSORPTION

MODEL	VOLTAGE (single-phase)		
	230 V	240 V	110 V
JSWm 1C	2.4 A	2.2 A	4.8 A
JSWm 1B	3.2 A	2.9 A	6.5 A
JSWm 1A	3.6 A	3.3 A	7.3 A

MODEL	VOLTAGE (three-phase)					
	230 V	400 V	690 V	240 V	415 V	720 V
JSW 1B	2.1 A	1.2 A	0.7 A	2.0 A	1.2 A	0.7 A
JSW 1A	2.8 A	1.6 A	0.9 A	2.7 A	1.6 A	0.9 A

PALLETIZATION

MODEL		GROUPAGE				CONTAINER			
Single-phase	Three-phase	n° pumps	H (mm)	kg		n° pumps	H (mm)	kg	
				1~	3~			1~	3~
JSWm 1C	-	98	1440	920	-	154	2180	1440	-
JSWm 1B	JSW 1B	98	1440	1000	950	154	2180	1560	1480
JSWm 1A	JSW 1A	98	1440	1030	1010	154	2180	1600	1570



تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبروی پالایشگاه نفت پارس، پلاک ۱۲



PERFORMANCE RANGE

- Flow rate up to **80 l/min** (4.8 m³/h)
- Head up to **70 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 **6.5 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



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. As a result 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 sets, and for the irrigation of gardens and allotments, etc.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

PATENTS - TRADE MARKS - MODELS

- Registered Italian model n° 72753
- European Patent n° 1 510 696

OPTIONALS AVAILABLE ON REQUEST

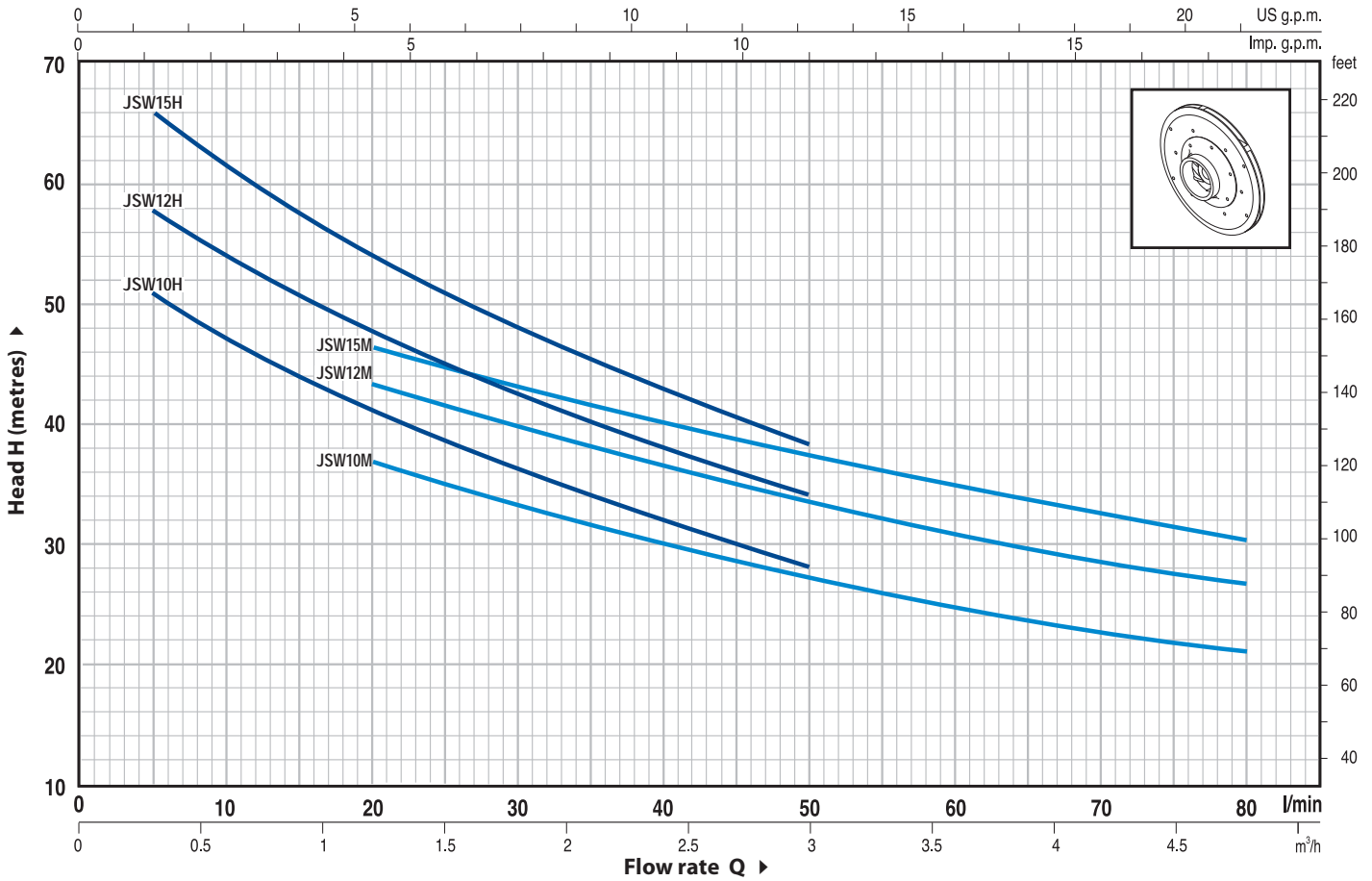
- Pumps with technopolymer impeller
- Other voltages or 60 Hz frequency

GUARANTEE

2 years subject to terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m

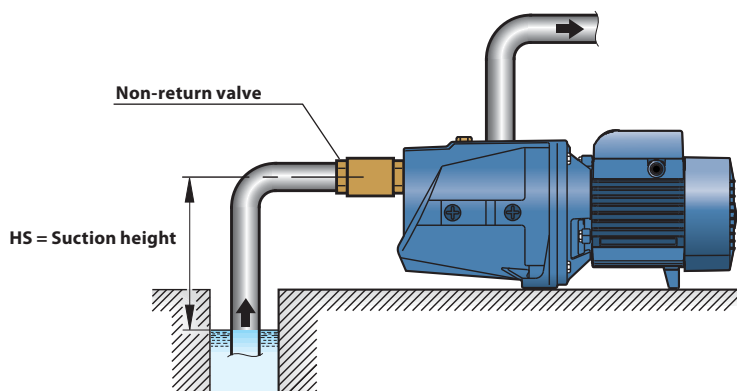


MODEL		POWER		Q	Flow rate																	
Single-phase	Three-phase	kW	HP		m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.4	2.7	3.0	3.6	4.2	4.8				
				l/min	0	5	10	15	20	25	30	40	45	50	60	70	80					
JSWm 10H	JSW 10H	0.75	1	H metres	56	51	47	44	41	39	36	32	30	28								
JSWm 12H	JSW 12H	0.90	1.25		64	58	54	51	48	45	43	38	36	34								
JSWm 15H	JSW 15H	1.1	1.5		70	66	62	58	54	51	48	43	41	38								
JSWm 10M	JSW 10M	0.75	1		46	42	40	38	37	35	33	30	29	27	25	23	21					
JSWm 12M	JSW 12M	0.90	1.25		50	48	46	44	42	41	39	36	35	33	31	29	27					
JSWm 15M	JSW 15M	1.1	1.5		55	52	50	48	46	45	43	40	39	37	35	33	30					

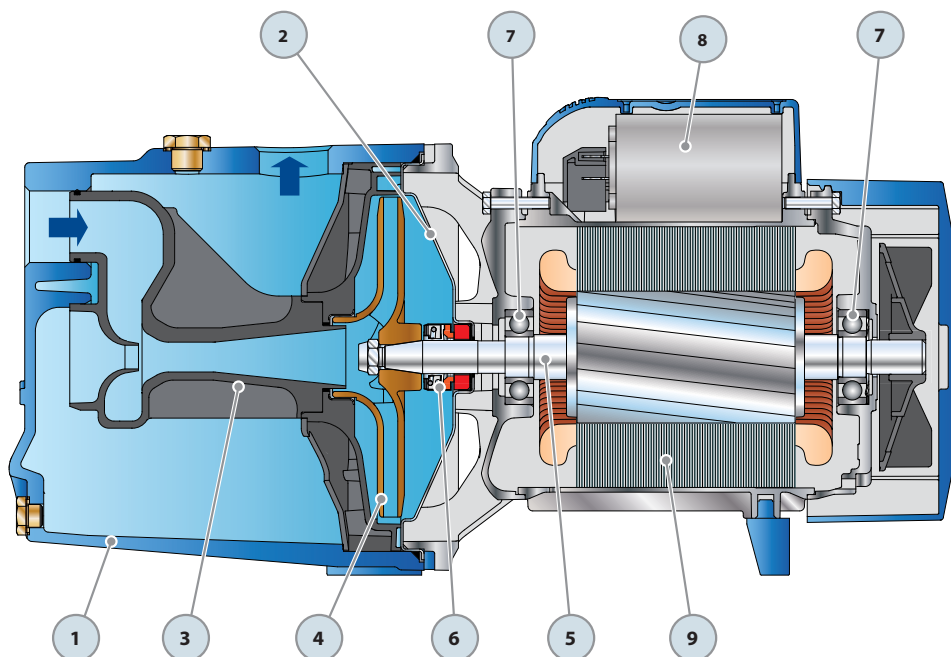
Q = Flow rate H = Total manometric head HS = Suction height

Tolerance of characteristic curves in compliance with EN ISO 9906 App. A.

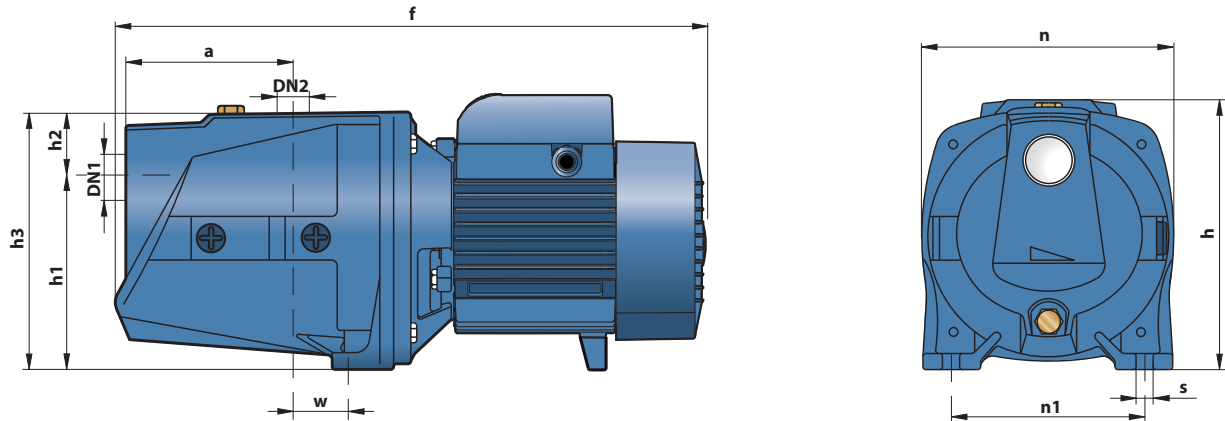
INSTALLATION EXAMPLE



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS				
1	PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO 228/1				
2	BODY BACKPLATE	Stainless steel AISI 304				
3	NOZZLE ASSEMBLY	Noryl GFN2V				
4	IMPELLER	Brass				
5	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104				
6	MECHANICAL SEAL	<i>Seal</i>	<i>Shaft</i>	<i>Materials</i>		
		<i>Model</i>	<i>Diameter</i>	<i>Stationary ring</i>	<i>Rotational ring</i>	<i>Elastomer</i>
		AR-14	Ø 14 mm	Ceramic	Graphite	NBR
7	BEARINGS	6203 ZZ / 6203 ZZ				
8	CAPACITOR	<i>Pump</i>	<i>Capacitance</i>			
		<i>Single-phase</i>	<i>(230 V or 240 V)</i>	<i>(110 V)</i>		
		JSWm 10H-M	20 µF 450 VL	60 µF 300 VL		
		JSWm 12H-M	25 µF 450 VL	60 µF 300 VL		
		JSWm 15H-M	25 µF 450 VL	60 µF 300 VL		
9	ELECTRIC MOTOR	<p>JSWm: single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding. JSW: three-phase 230/400 V - 50 Hz.</p> <p>➔ Pumps fitted with the three-phase motor option offer IE2 (IEC 60034-30) class high performance</p> <ul style="list-style-type: none"> - Insulation: F class. - Protection: IP 44. 				



DIMENSIONS AND WEIGHT



MODEL		PORTS		DIMENSIONS mm										kg	
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	h3	n	n1	w	s	1~	3~
JSWm 10H	JSW 10H	1"	1"	113.5	402	201	147	35	182	180	142	22	10	13.7	13.8
JSWm 12H	JSW 12H													14.7	13.6
JSWm 15H	JSW 15H													15.1	14.8
JSWm 10M	JSW 10M													13.7	13.8
JSWm 12M	JSW 12M													14.7	13.6
JSWm 15M	JSW 15M													15.1	14.8

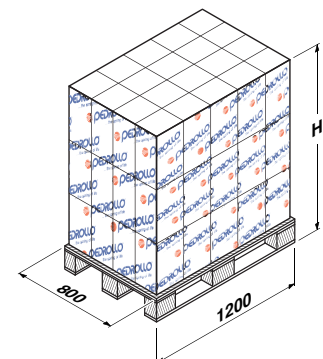
ABSORPTION

MODEL	VOLTAGE (single-phase)		
	230 V	240 V	110 V
Single-phase	230 V	240 V	110 V
JSWm 10H	4.7 A	4.5 A	9.4 A
JSWm 12H	5.4 A	5.0 A	10.8 A
JSWm 15H	6.6 A	6.0 A	13.2 A
JSWm 10M	5.0 A	4.6 A	10.0 A
JSWm 12M	5.7 A	5.2 A	11.4 A
JSWm 15M	6.6 A	6.0 A	13.2 A

MODEL	VOLTAGE (three-phase)					
	230 V	400 V	690 V	240 V	415 V	720 V
Three-phase	230 V	400 V	690 V	240 V	415 V	720 V
JSW 10H	3.5 A	2.0 A	1.2 A	3.4 A	2.0 A	1.2 A
JSW 12H	4.2 A	2.4 A	1.4 A	4.0 A	2.3 A	1.3 A
JSW 15H	5.5 A	3.2 A	1.8 A	5.3 A	3.1 A	1.8 A
JSW 10M	3.6 A	2.1 A	1.2 A	3.5 A	2.0 A	1.2 A
JSW 12M	4.5 A	2.6 A	1.5 A	4.3 A	2.5 A	1.4 A
JSW 15M	5.5 A	3.2 A	1.8 A	5.3 A	3.1 A	1.8 A

PALLETIZATION

MODEL		GROUPAGE				CONTAINER			
Single-phase	Three-phase	n° pumps	H (mm)	kg		n° pumps	H (mm)	kg	
				1~	3~			1~	3~
JSWm 10H	JSW 10H	72	1460	1000	1010	96	1900	1330	1340
JSWm 12H	JSW 12H	72	1460	1080	1000	96	1900	1430	1330
JSWm 15H	JSW 15H	72	1460	1110	1090	96	1900	1470	1440
JSWm 10M	JSW 10M	72	1460	1000	1010	96	1900	1330	1340
JSWm 12M	JSW 12M	72	1460	1080	1000	96	1900	1430	1330
JSWm 15M	JSW 15M	72	1460	1110	1090	96	1900	1470	1440





PERFORMANCE RANGE

- Flow rate up to **160 l/min** (9.6 m³/h)
- Head up to **96 m**

APPLICATION LIMITS

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



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. As a result of their reliability and the fact that they are easy to use, they are recommended for use in domestic, civil and industrial applications such as the distribution of water in combination with pressure sets, and for the irrigation of gardens and allotments, etc.

The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

PATENTS - TRADE MARKS - MODELS

- Registered Italian model n° 72753

OPTIONALS AVAILABLE ON REQUEST

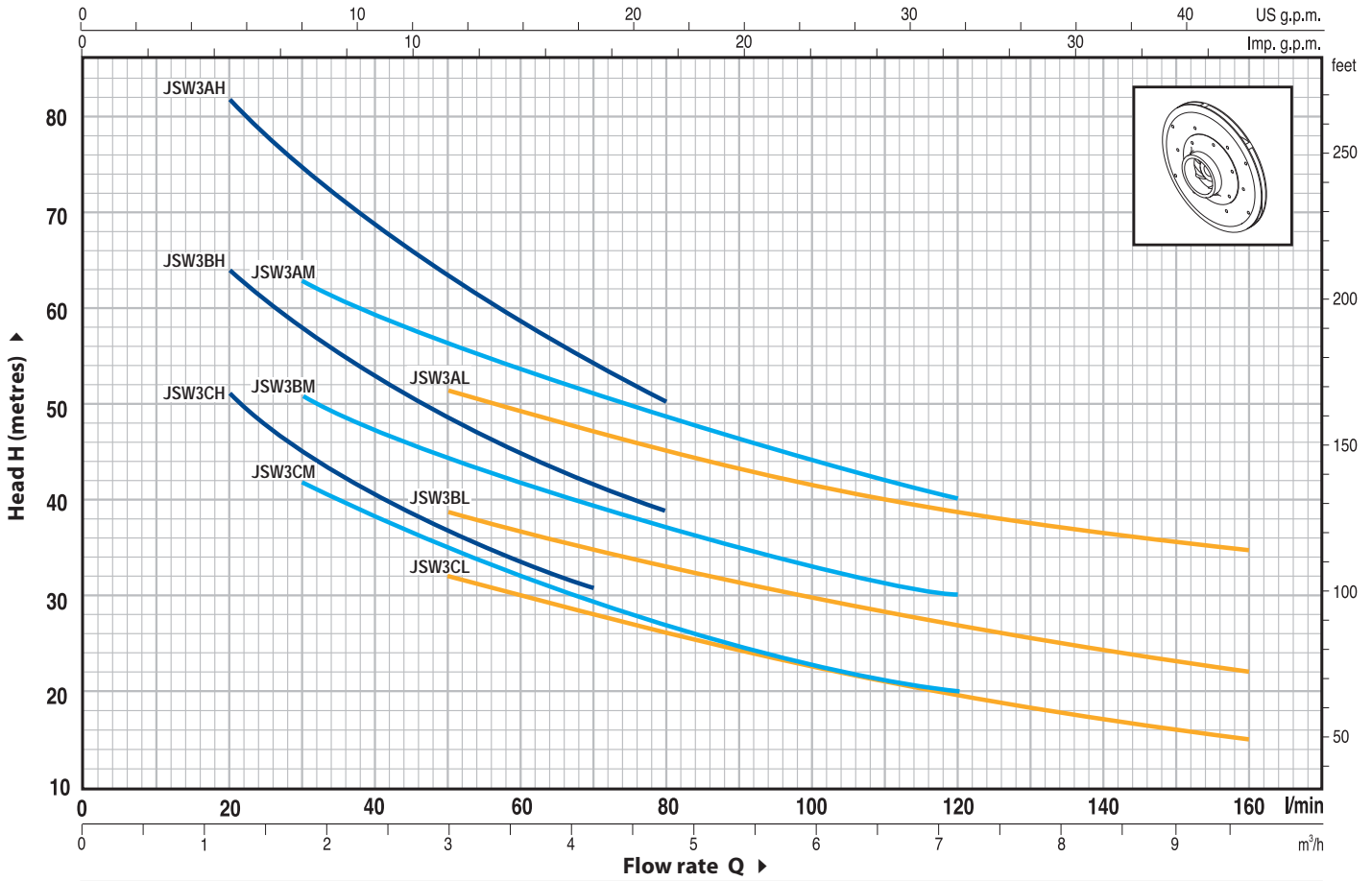
- Special mechanical seal
- Other voltages or 60 Hz frequency
- IP55 class protection

GUARANTEE

2 years subject to terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m

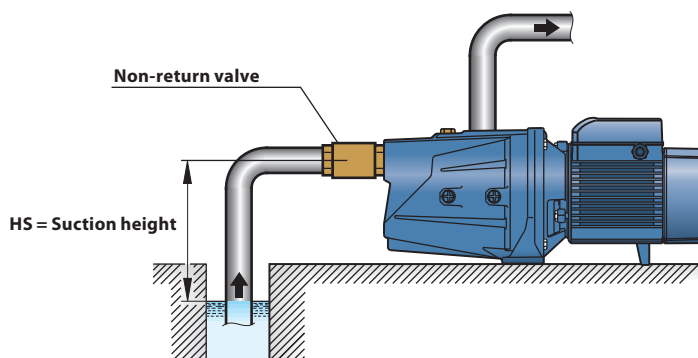


MODEL		POWER		Q	Flow rate (m³/h)																			
Single-phase	Three-phase	kW	HP		0	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.6	4.2	4.8	6.0	7.2	8.4	9.6			
				l/min	0	10	15	20	25	30	35	40	45	50	60	70	80	100	120	140	160			
JSWm 3CH	JSW 3CH	1.1	1.5	H metres	64	60	55	51	48	45	42.5	40	39	37	34	31								
JSWm 3BH	JSW 3BH	1.5	2		76	70	67	64	61	58	55.5	53	51	49	45	41	39							
-	JSW 3AH	2.2	3		96	90	86	82	79	75	71.5	69	66	64	58	54	50							
JSWm 3CM	JSW 3CM	1.1	1.5		52	50	48	45	44	42	40	38	37	35	32	29	27	23	20					
JSWm 3BM	JSW 3BM	1.5	2		60	58	56	54	52	51	49	47	46	45	42	39	37	33	30					
-	JSW 3AM	2.2	3		74	70	68	67	65	63	61	59	58	56	54	51	49	44	40					
JSWm 3CL	JSW 3CL	1.1	1.5		42	40	39	38	37	36	35	34	33	32	30	28	26	23	20	17	15			
JSWm 3BL	JSW 3BL	1.5	2		51	48	46	45	44	43	42	41	40	39	37	35	33	30	27	24	22			
-	JSW 3AL	2.2	3		62	60	58	57	56	55	54	53	52	51	49	47	45	42	39	36.5	35			

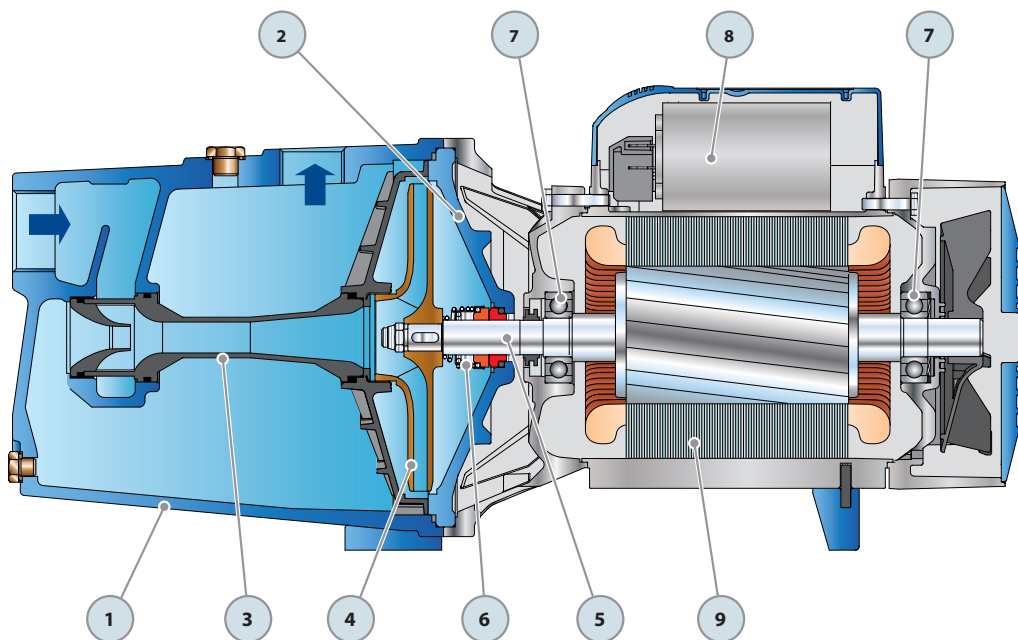
Q = Flow rate H = Total manometric head HS = Suction height

Tolerance of characteristic curves in compliance with EN ISO 9906 App. A.

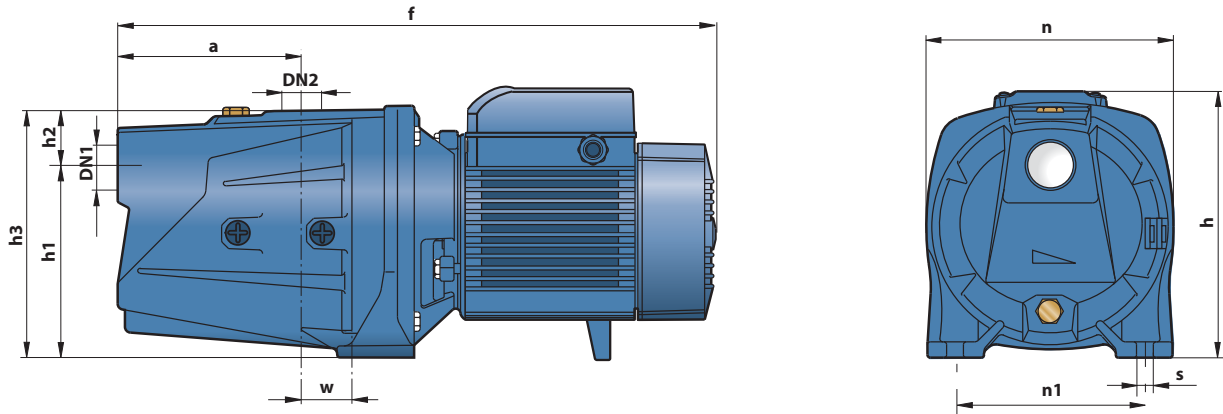
INSTALLATION EXAMPLE



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS				
1	PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO 228/1				
2	BODY BACKPLATE	Cast iron				
3	NOZZLE ASSEMBLY	Noryl GFN2V				
4	IMPELLER	Brass				
5	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104				
6	MECHANICAL SEAL	Seal	Shaft	Materials		
		<i>Model</i>	<i>Diameter</i>	<i>Stationary ring</i>	<i>Rotational ring</i>	<i>Elastomer</i>
		FN-18	Ø 18 mm	Graphite	Ceramic	NBR
7	BEARINGS	6204 ZZ / 6204 ZZ				
8	CAPACITOR	Pump	Capacitance			
		<i>Single-phase</i>	<i>(230 V or 240 V)</i>	<i>(110 V)</i>		
		JSWm 3C	31.5 µF 450 VL	60 µF 250 VL		
		JSWm 3B	45 µF 450 VL	80 µF 250 VL		
9	ELECTRIC MOTOR	JSWm: single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding. JSW: three-phase 230/400 V - 50 Hz. ⇒ Pumps fitted with the three-phase motor option offer IE2 (IEC 60034-30) class high performance – Insulation: F class. – Protection: IP 44.				



DIMENSIONS AND WEIGHT



MODEL		PORTS		DIMENSIONS mm										kg	
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	h3	n	n1	w	s	1~	3~
JSWm 3CH	JSW 3CH	1 1/4"	1"	155	530	242	165	43	208	206	164	30	11	24.9	22.9
JSWm 3BH	JSW 3BH													26.1	25.1
-	JSW 3AH													-	26.4
JSWm 3CM	JSW 3CM													24.9	22.9
JSWm 3BM	JSW 3BM													26.1	25.1
-	JSW 3AM													-	26.4
JSWm 3CL	JSW 3CL													24.9	22.9
JSWm 3BL	JSW 3BL													26.1	25.1
-	JSW 3AL													-	26.4

ABSORPTION

MODEL	VOLTAGE (single-phase)		
	230 V	240 V	110 V
JSWm 3CH	8.0 A	7.3 A	16.0 A
JSWm 3BH	9.0 A	8.2 A	18.0 A
JSWm 3CM	7.9 A	7.2 A	15.8 A
JSWm 3BM	9.3 A	8.5 A	18.6 A
JSWm 3CL	7.5 A	6.9 A	15.0 A
JSWm 3BL	9.7 A	9.0 A	19.4 A

MODEL	VOLTAGE (three-phase)					
	230 V	400 V	690 V	240 V	415 V	720 V
JSW 3CH	5.5 A	3.2 A	1.8 A	5.3 A	3.1 A	1.8 A
JSW 3BH	6.9 A	4.0 A	2.3 A	6.6 A	3.8 A	2.2 A
JSW 3AH	9.0 A	5.2 A	3.0 A	8.6 A	5.0 A	2.9 A
JSW 3CM	5.9 A	3.4 A	2.0 A	5.7 A	3.3 A	1.9 A
JSW 3BM	7.3 A	4.2 A	2.4 A	7.0 A	4.0 A	2.3 A
JSW 3AM	9.5 A	5.5 A	3.2 A	9.1 A	5.3 A	3.1 A
JSW 3CL	5.5 A	3.2 A	1.8 A	5.3 A	3.1 A	1.8 A
JSW 3BL	7.3 A	4.2 A	2.4 A	7.0 A	4.0 A	2.3 A
JSW 3AL	9.0 A	5.2 A	3.0 A	8.6 A	5.0 A	2.9 A

PALLETIZATION

MODEL		GROUPAGE				CONTAINER			
Single-phase	Three-phase	n° pumps	H (mm)	kg		n° pumps	H (mm)	kg	
				1~	3~			1~	3~
JSWm 3CH	JSW 3CH	35	1420	890	820	49	1930	1240	1140
JSWm 3BH	JSW 3BH	35	1420	930	900	49	1930	1300	1250
-	JSW 3AH	35	1420	-	941	49	1930	-	1310
JSWm 3CM	JSW 3CM	35	1420	890	820	49	1930	1240	1140
JSWm 3BM	JSW 3BM	35	1420	930	900	49	1930	1300	1250
-	JSW 3AM	35	1420	-	941	49	1930	-	1310
JSWm 3CL	JSW 3CL	35	1420	890	820	49	1930	1240	1140
JSWm 3BL	JSW 3BL	35	1420	930	900	49	1930	1300	1250
-	JSW 3AL	35	1420	-	941	49	1930	-	1310

