



JS 10-12-15
Self-priming "JET" pumps

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



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 JS 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.

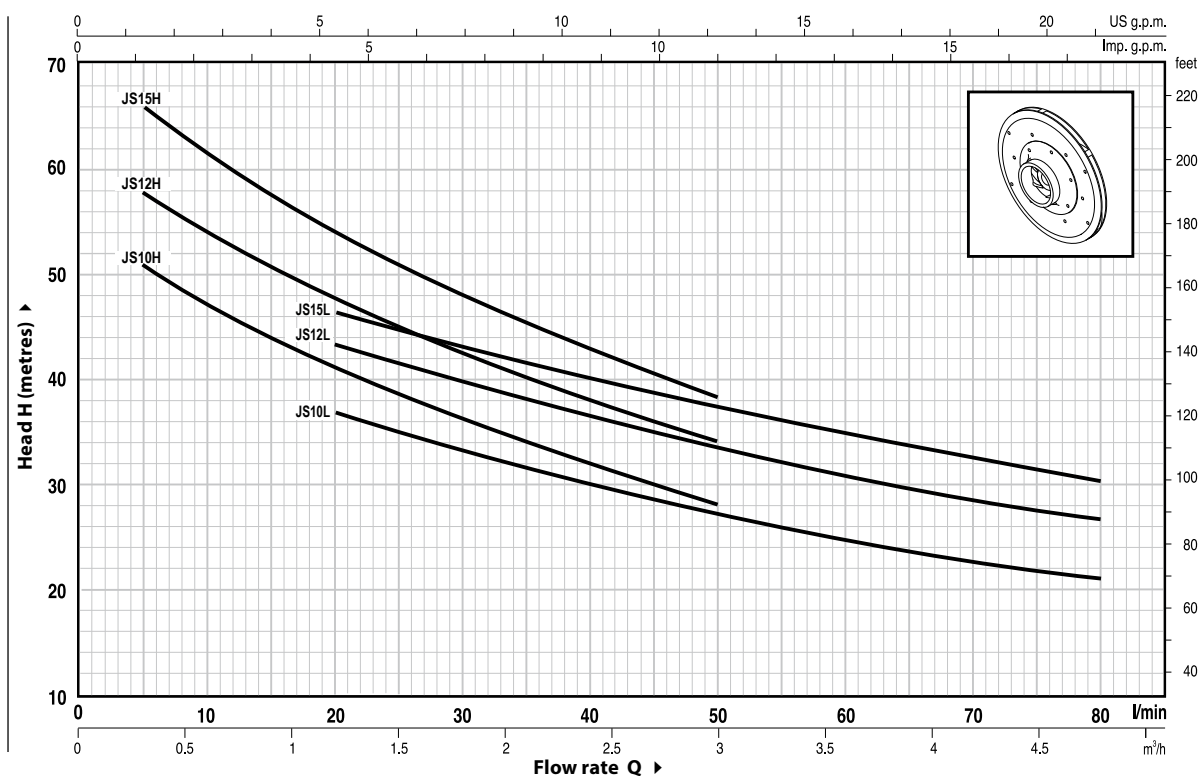
OPTIONALS AVAILABLE ON REQUEST

- 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

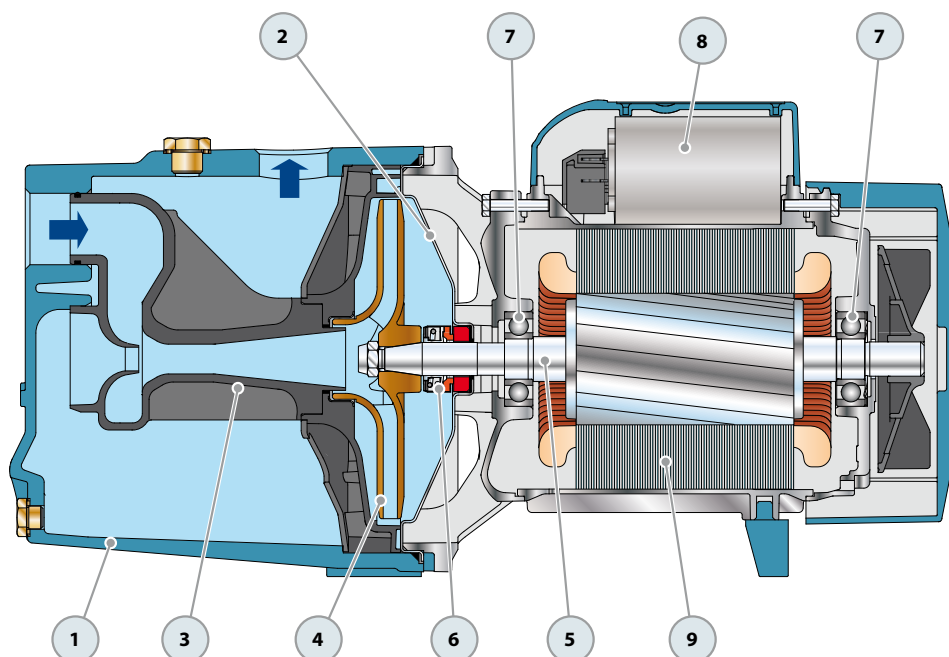


MODEL		POWER		Q														
Single-phase	Three-phase	kW	HP		m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.4	2.7	3.0	3.6	4.2	4.8
					l/min	0	5	10	15	20	25	30	40	45	50	60	70	80
JS 10HM	JS 10H	0.75	1	H metres		56	51	47	44	41	39	36	32	30	28			
JS 12HM	JS 12H	0.90	1.25			64	58	54	51	48	45	43	38	36	34			
JS 15HM	JS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

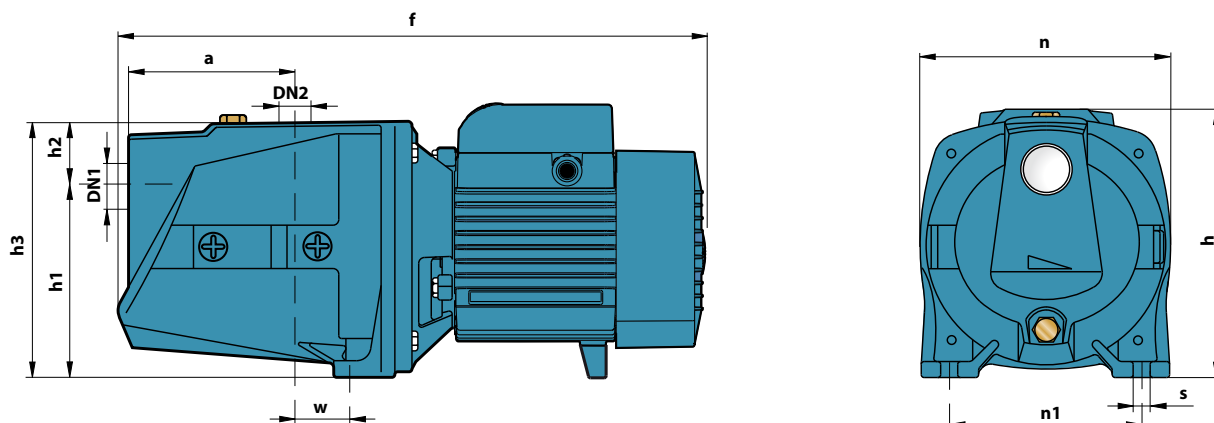
Q = Flow rate H = Total manometric head HS = Suction height

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

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	Seal	Shaft	Materials		
		Model	Diameter	Stationary ring	Rotational ring	Elastomer
		AR-14	Ø 14 mm	Ceramic	Graphite	NBR
7	BEARINGS	6203 ZZ / 6203 ZZ				
8	CAPACITOR	Pump	Capacitance			
		Single-phase	(230 V or 240 V)	(110 V)		
		JS 10HM-LM	20 µF 450 VL	60 µF 300 VL		
		JS 12HM-LM	25 µF 450 VL	60 µF 300 VL		
		JS 15HM-LM	25 µF 450 VL	60 µF 300 VL		
9	ELECTRIC MOTOR	JS M: single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding. JS: 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~
JS 10HM	JS 10H	1"	1"	113.5	402	201	147	35	182	180	142	22	10	13.7	13.8
JS 12HM	JS 12H													14.7	13.6
JS 15HM	JS 15H													15.1	14.8
JS 10LM	JS 10L													13.7	13.8
JS 12LM	JS 12L													14.7	13.6
JS 15LM	JS 15L													15.1	14.8

ABSORPTION

MODEL	VOLTAGE (single-phase)		
	230 V	240 V	110 V
JS 10HM	4.7 A	4.5 A	9.4 A
JS 12HM	5.4 A	5.0 A	10.8 A
JS 15HM	6.6 A	6.0 A	13.2 A
JS 10LM	5.0 A	4.6 A	10.0 A
JS 12LM	5.7 A	5.2 A	11.4 A
JS 15LM	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
JS 10H	3.5 A	2.0 A	1.2 A	3.4 A	2.0 A	1.2 A
JS 12H	4.2 A	2.4 A	1.4 A	4.0 A	2.3 A	1.3 A
JS 15H	5.5 A	3.2 A	1.8 A	5.3 A	3.1 A	1.8 A
JS 10L	3.6 A	2.1 A	1.2 A	3.5 A	2.0 A	1.2 A
JS 12L	4.5 A	2.6 A	1.5 A	4.3 A	2.5 A	1.4 A
JS 15L	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 1~ 3~	n° pumps	H (mm)	kg 1~ 3~	
JS 10HM	JS 10H	72	1460	1000 1010	96	1900	1330 1340	
JS 12HM	JS 12H	72	1460	1080 1000	96	1900	1430 1330	
JS 15HM	JS 15H	72	1460	1110 1090	96	1900	1470 1440	
JS 10LM	JS 10L	72	1460	1000 1010	96	1900	1330 1340	
JS 12LM	JS 12L	72	1460	1080 1000	96	1900	1430 1330	
JS 15LM	JS 15L	72	1460	1110 1090	96	1900	1470 1440	

