



JS 05-07-08
Self-priming "JET" pumps

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 up to **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



INSTALLATION AND USE

Suitable for use with clean water and liquids that are not chemical-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.

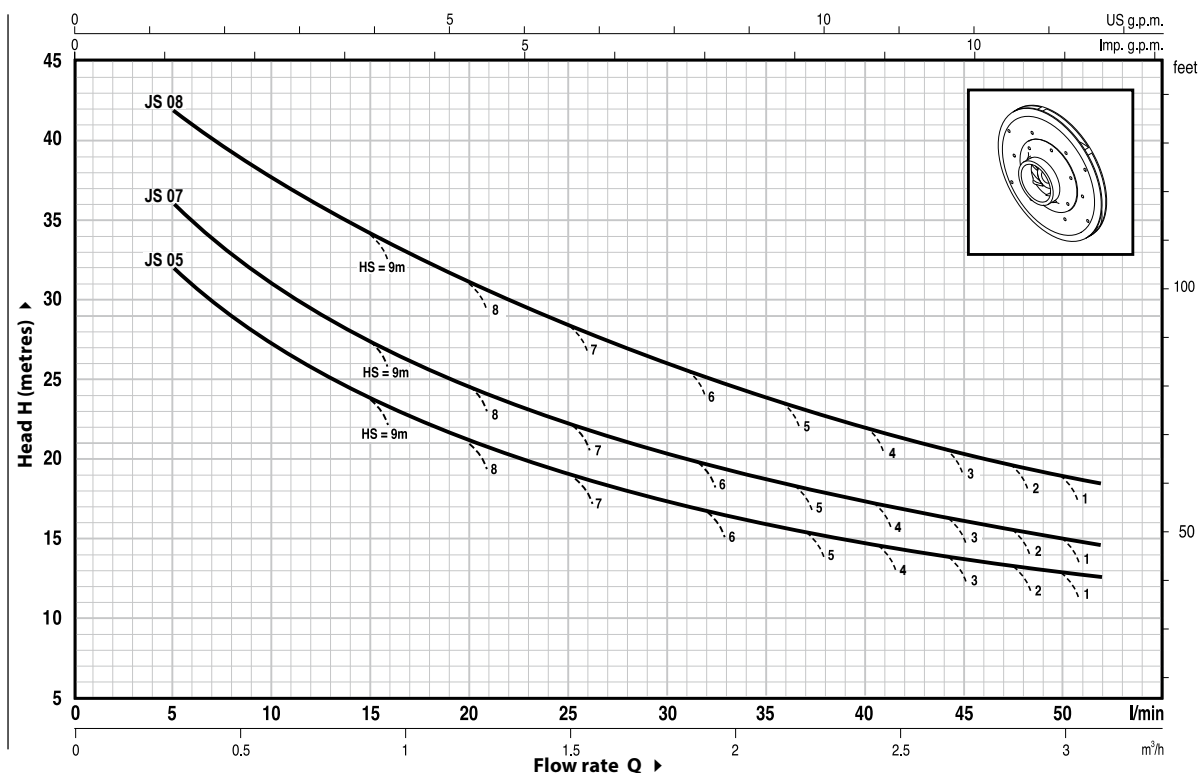
OPTIONALS AVAILABLE ON REQUEST

- 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

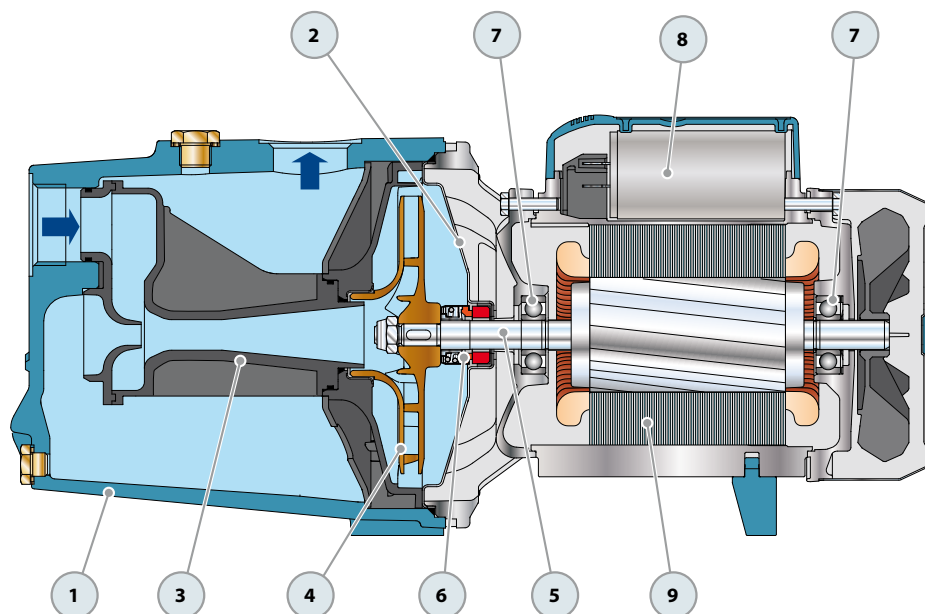


MODEL		POWER		Q	m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
Single-phase	Three-phase	kW	HP		l/min	0	5	10	15	20	25	30	35	40	45	50
JS 05M	–	0.37	0.50	H metres		35	32	27	24	21	19	17	16	15	14	13
JS 07M	JS 07	0.50	0.70			41	36	31	27	24	22	20	19	17	16	15
JS 08M	JS 08	0.60	0.85			47	42	38	34	31	28.5	26	24	22	21.5	19

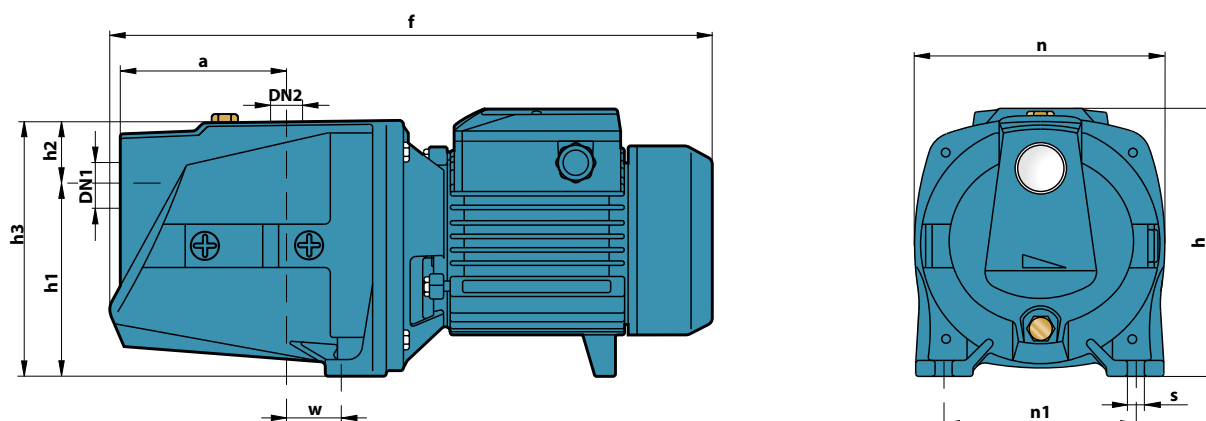
Q = Flow rate H = Total manometric head HS = Suction height

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

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-12	Ø 12 mm	Ceramic	Graphite	NBR
7	BEARINGS	6201 ZZ / 6201 ZZ				
8	CAPACITOR	Pump	Capacitance			
		Single-phase	(230 V or 240 V)		(110 V)	
		JS 05M	10 µF 450 VL	25 µF 250 VL		
		JS 07M	10 µF 450 VL	30 µF 250 VL		
		JS 08M	14 µF 450 VL	30 µF 250 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 05M	–	1"	1"	115	379	171	127	33.5	160.5	160	124	24	10	9.2	–
JS 07M	JS 07													10.0	9.5
JS 08M	JS 08													10.3	10.1

ABSORPTION

MODEL	VOLTAGE (single-phase)		
Single-phase	230 V	240 V	110 V
JS 05M	2.4 A	2.2 A	4.8 A
JS 07M	3.2 A	2.9 A	6.5 A
JS 08M	3.6 A	3.3 A	7.3 A

MODEL	VOLTAGE (three-phase)					
Three-phase	230 V	400 V	690 V	240 V	415 V	720 V
JS 07	2.1 A	1.2 A	0.7 A	2.0 A	1.2 A	0.7 A
JS 08	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~
JS 05M	–	98	1440	920	–	154	2180	1440	–
JS 07M	JS 07	98	1440	1000	950	154	2180	1560	1480
JS 08M	JS 08	98	1440	1030	1010	154	2180	1600	1570

