

## Self-Priming "JET" Pumps

 Clean Water

 Residential

 Commercial



### PERFORMANCE RANGE

- Flow Rate up to **18 GPM** (70 l/min) (4.2 m<sup>3</sup>/h)
- Head up to **213 feet** (65 m)

### APPLICATION LIMITS

- Maximum Suction Lift up to **29 feet** (9 m)
- Liquid Temperature between **14°F** (-10°C) and **104°F** (+40°C)
- Ambient Temperature up to **104°F** (+40°C)
- Maximum Working Pressure **87 psi** (6 bar)
- Continuous Duty Rating **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

### FEATURES AND BENEFITS

- Clean water that does not contain abrasive particles
- Liquids that are not chemically aggressive
- Self-Priming
- Easy to Use

### APPLICATIONS AND MARKETS

- Residential
- Commercial
- Irrigation
- Water Distribution
- Small/Medium Pressure Tanks
- Water Well Service
- Pressure Boosting Systems
- OEM Equipment

### PATENTS - TRADE MARKS - MODELS

- European Patent No. 1 510 696

### OPTIONS AVAILABLE ON REQUEST

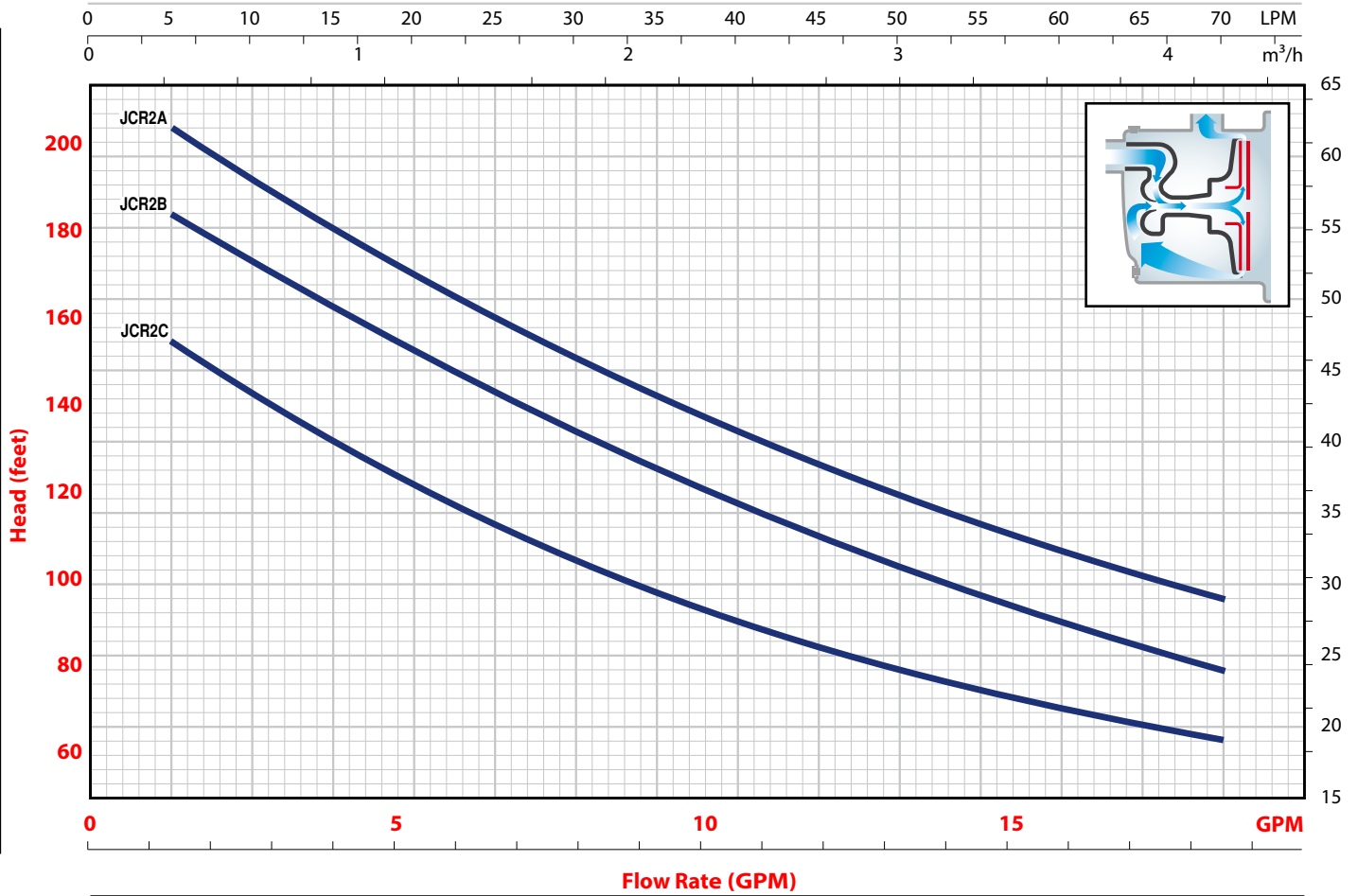
- Pump Body with GAS ANSI B 1.20.1 Threaded Ports
- Other Voltages

### GUARANTEE

**2 YEARS** subject to terms and conditions

## PERFORMANCE CURVES AND DATA

60 Hz RPM = 3450

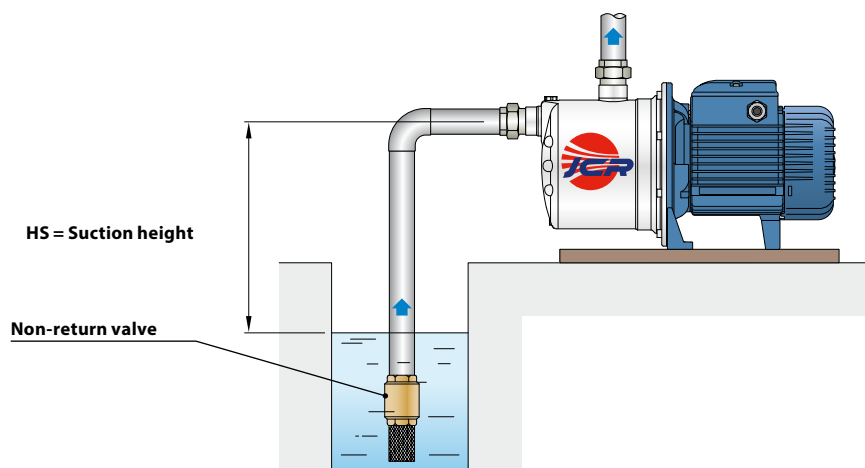


MODEL NUMBER		MOTOR SIZE		LPM	0	5	10	20	25	30	40	45	50	60	70
Single-phase	Three-phase	kW	HP	GPM	0	1.3	2.6	5.3	6.6	7.9	10.6	11.9	13.2	15.8	18.5
JCRm 2C	JCR 2C	0.75	1.00	HEAD (feet)	164	154.2	141.1	121.4	111.5	103.3	90.2	83.7	78.7	68.9	62.3
JCRm 2B	JCR 2B	0.90	1.25		196.8	183.7	173.9	152.5	142.7	132.8	116.5	109.9	101.7	88.6	78.7
JCRm 2A	JCR 2A	1.10	1.50		213.3	203.4	190.3	168.9	159.1	150.9	134.5	126.3	118.1	104.9	95.1

Three-phase motor efficiency class (IEC 60034-30-1)

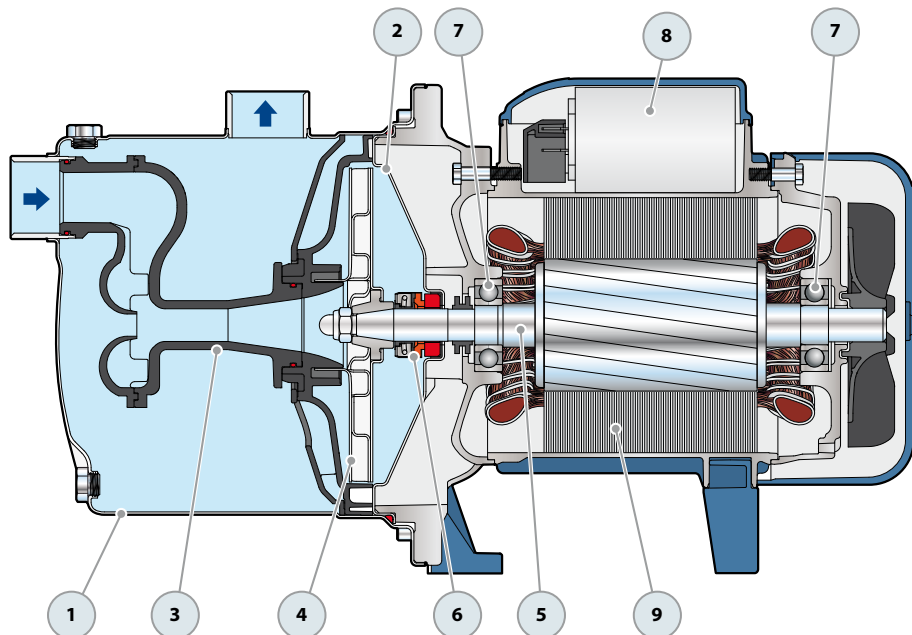
Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

## STANDARD INSTALLATION

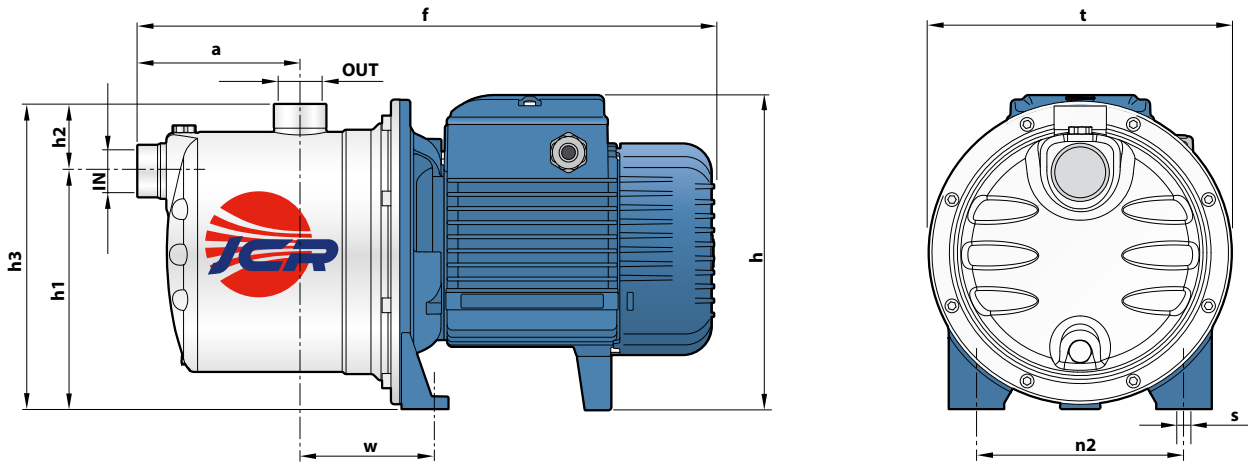


## NO. COMPONENT CONSTRUCTION CHARACTERISTICS

1	<b>PUMP BODY</b>	Stainless steel AISI 304 complete with threaded ports in compliance with ISO 228/1				
2	<b>BODY BACKPLATE</b>	Stainless steel AISI 304				
3	<b>NOZZLE ASSEMBLY</b>	Noryl				
4	<b>IMPELLER</b>	Stainless steel AISI 304				
5	<b>MOTOR SHAFT</b>	Stainless steel AISI 431				
6	<b>MECHANICAL SEAL</b>	<i>Seal Model</i>	<i>Shaft Diameter</i>	<i>Stationary ring</i>	<i>Materials Rotational ring</i>	<i>Elastomer</i>
		AR-14	Ø 0.5 in	Ceramic	Graphite	NBR
7	<b>BEARINGS</b>	6203 ZZ / 6203 ZZ				
8	<b>CAPACITOR</b>	<i>Pump Single-phase</i>	<i>Capacitance (230 V)</i>	<i>(115 V or 127 V)</i>		
		JCRm 2C	20 µF - 450 VL	60 µF - 300 VL		
		JCRm 2B	25 µF - 450 VL	60 µF - 300 VL		
		JCRm 2A	25 µF - 450 VL	60 µF - 300 VL		
9	<b>ELECTRIC MOTOR</b>	<p>JCRm: single-phase 230 V - 60 Hz with thermal overload protector incorporated into the winding.                      JCR: three-phase 220/380 V - 60 Hz or 230/460 V - 60 Hz.</p> <p>➔ <b>The three-phase pumps are fitted with high performance motors in class IE3 (IEC 60034-30-1)</b></p> <ul style="list-style-type: none"> <li>- Insulation: class F</li> <li>- Protection: IP X4</li> </ul>				



## DIMENSIONS AND WEIGHT



MODEL NUMBER		PORTS		DIMENSIONS (inches)										Lbs	
Single-phase	Three-phase	IN	OUT	a	f	h	h1	h2	h3	t	n2	w	s	1-PH	3-PH
JCRm 2C	JCR 2C	1"	1"	4.3	15.5	8.5 *	6.4	1.8	8.2	8.2	5.6	3.6	0.4	22.5	22.0
JCRm 2B	JCR 2B													24.5	24.3
JCRm 2A	JCR 2A													26.0	24.5

(\*) h = 9.2 in (236 mm) for single-phase versions at 115 V

## ABSORPTION

MODEL	VOLTAGE		
	230 V	115 V	127 V
Single-phase	230 V	115 V	127 V
JCRm 2C	5.0 A	10.0 A	9.0 A
JCRm 2B	6.7 A	13.4 A	11.6 A
JCRm 2A	6.9 A	13.8 A	12.9 A

MODEL	VOLTAGE			
	230 V	380 V	230 V	460 V
Three-phase	230 V	380 V	230 V	460 V
JCR 2C	3.8 A	2.2 A	3.6 A	2.0 A
JCR 2B	5.3 A	3.0 A	3.7 A	2.1 A
JCR 2A	5.8 A	3.3 A	5.5 A	3.1 A