

## Self-Priming "JET" Pumps

 Clean Water

 Residential



### PERFORMANCE RANGE

- Flow rate up to **15 GPM** (60 l/min) (3.6 m<sup>3</sup>/h)
- Head up to **157 feet** (48 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
- 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

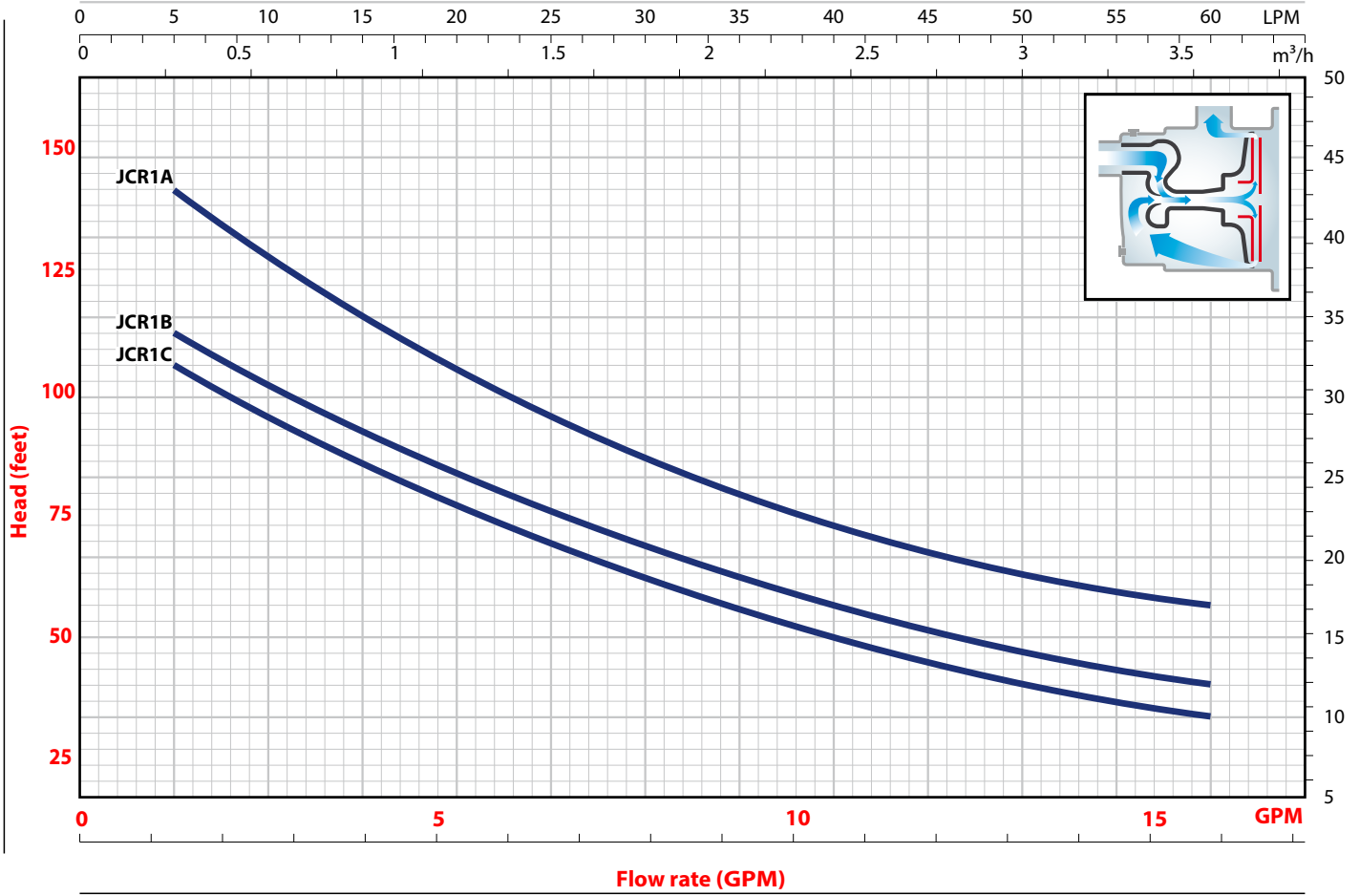
- Pump Body with GAS ANSI B 1.20.1 Threaded Ports
- Other Voltages Available

### GUARANTEE

**2 YEARS** subject to terms and conditions

## PERFORMANCE CURVES AND DATA

60 Hz RPM = 3450

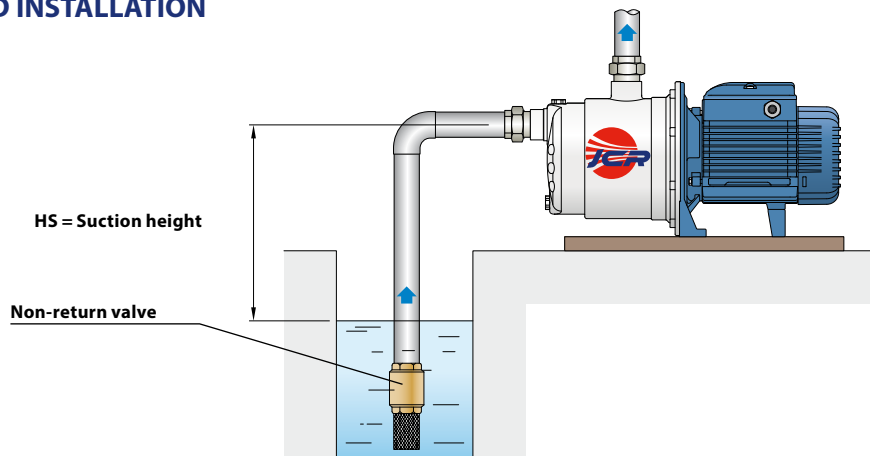


MODEL NUMBER		MOTOR SIZE			LPM	0	5	10	20	25	30	40	45	50	60
Single-phase	Three-phase	kW	HP	EFF	GPM	0	1.3	2.6	5.3	6.6	7.9	10.6	11.9	13.2	15.8
JCRm 1C	JCR 1C	0.37	0.50	IE2	HEAD (feet)	114.8	104.9	93.5	77.1	68.9	60.7	49.2	44.3	39.4	32.8
JCRm 1B	JCR 1B	0.48	0.65			121.4	111.5	100.1	83.7	75.4	67.3	55.8	50.8	45.9	39.4
JCRm 1A	JCR 1A	0.55	0.75	IE3		157.5	141.1	127.9	103.3	93.5	85.3	72.2	67.3	62.3	55.7

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

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

## STANDARD INSTALLATION



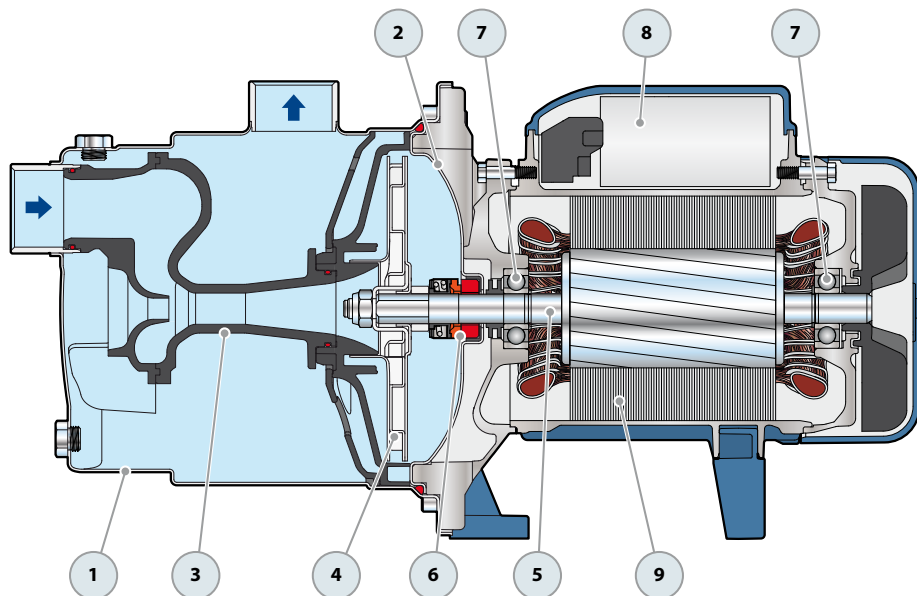
## NO. COMPONENT CONSTRUCTION CHARACTERISTICS

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-12	Ø 0.4 in	Ceramic	Graphite	NBR
7	<b>BEARINGS</b>	6201 ZZ / 6201 ZZ				
8	<b>CAPACITOR</b>	<i>Pump Single-phase</i>	<i>Capacitance (230 V)</i>	<i>(115 V or 127 V)</i>		
		JCRm 1C	10 µF - 450 VL	25 µF - 250 VL		
		JCRm 1B	10 µF - 450 VL	25 µF - 250 VL		
		JCRm 1A	14 µF - 450 VL	25 µF - 250 VL		

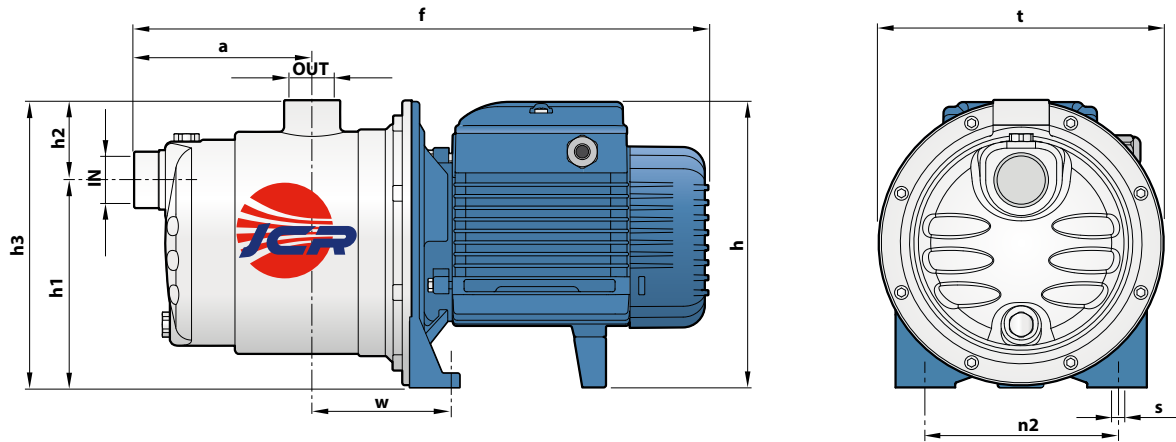
**9 ELECTRIC MOTOR**      **JCRm:** single-phase 230 V - 60 Hz with thermal overload protector incorporated into the winding.  
**JCR:** three-phase 220/380 V - 60 Hz or 230/460 V - 60 Hz.

⇒ **The three-phase pumps are fitted with high performance motors up to P<sub>2</sub>=0.48 kW in class IE2 and from P<sub>2</sub>=0.55 kW in class IE3 (IEC 60034-30-1)**

- Insulation: class F
- Protection: IP X4



## 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 1C	JCR 1C	1"	1"	4.4	14.4	7.2	5.2	2.0	7.2	7.2	4.7	3.4	0.4	15.2	15.4
JCRm 1B	JCR 1B													15.2	15.2
JCRm 1A	JCR 1A													16.7	15.2

## ABSORPTION

MODEL	VOLTAGE		
	230 V	115 V	127 V
<b>Single-phase</b>			
JCRm 1C	3.0 A	6.0 A	5.2 A
JCRm 1B	3.3 A	6.6 A	5.7 A
JCRm 1A	4.0 A	8.0 A	6.9 A

MODEL	VOLTAGE			
	230 V	380 V	230 V	460 V
<b>Three-phase</b>				
JCR 1C	2.0 A	1.15 A	1.7 A	1.1 A
JCR 1B	2.3 A	1.3 A	2.1 A	1.2 A
JCR 1A	3.1 A	1.8 A	2.6 A	1.5 A