Self-priming "JET" pumps



Clean water



Domestic use



Civil use



PERFORMANCE RANGE

- Flow rate up to **70 l/min** $(4.2 \text{ m}^3/\text{h})$
- Head up to 60 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 60034-1 EN 60335-1 IEC 60335-1 IEC 60034-1 CEI 61-150 **CEI 2-3**

CERTIFICATIONS

Company with management system certified DNV

ISO 9001: QUALITY
ISO 14001: ENVIRONMENT AND SAFETY



INSTALLATION AND USE

Suitable for use with clean water and with liquids that are not chemically aggressive towards the materials from which the pump is made. The self-priming **JCR** 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 tanks, and for the irrigation of gardens and orchards, etc.

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

PATENTS - TRADE MARKS - MODELS

• European Patent n. 1 510 696

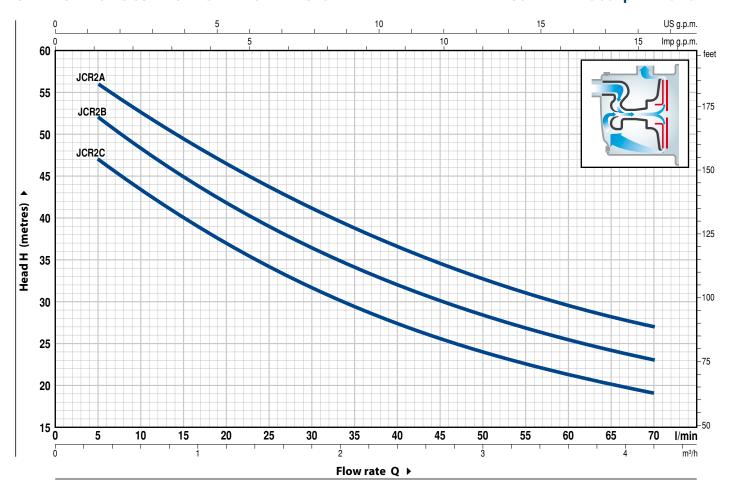
OPTIONS AVAILABLE ON REQUEST

• Other voltages or 60 Hz frequency



CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 rpm HS= 0 m

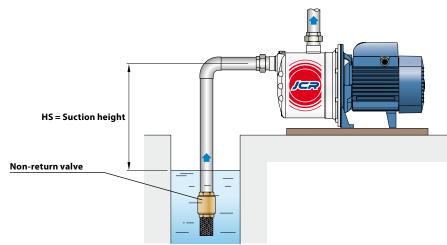


МО	DEL	POWE	R (P2)	m³/h	0	0.3	0.6	1.2	1.5	1.8	2.4	2.7	3.0	3.6	4.2
Single-phase	Three-phase	kW	HP	Q I/min	0	5	10	20	25	30	40	45	50	60	70
JCRm 2C	JCR 2C	0.75	1		50	47	43	37	34	31.5	27.5	25.5	24	21	19
JCRm 2B	JCR 2B	0.90	1.25	H metres	55	52	48	42	39	36	32	30	28.5	25.5	23
JCRm 2A	JCR 2A	1.1	1.5		60	56	53	46.5	43.5	41	36.5	34.5	32.5	29.5	27

 $\mathbf{Q} = \mathsf{Flow} \; \mathsf{rate} \; \; \mathbf{H} = \mathsf{Total} \; \mathsf{manometric} \; \mathsf{head} \; \; \mathbf{HS} = \mathsf{Suction} \; \mathsf{height}$

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

STANDARD INSTALLATION



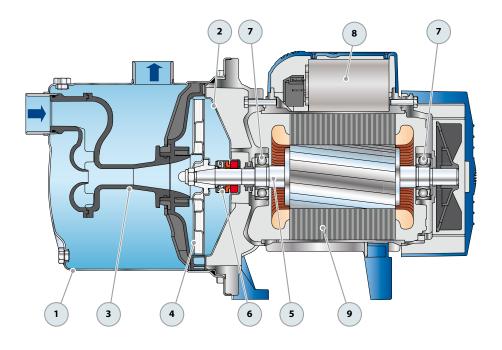


POS.	COMPONENT	CONSTRUCTION	CHARACTERIST	ICS		
1	PUMP BODY	Stainless steel AISI 30	94 complete with thr	eaded ports ir	n compliance w	vith ISO 228/1
2	BODY BACKPLATE	Stainless steel AISI 30	04			
3	NOZZLE ASSEMBLY	Noryl FE1520PW				
4	IMPELLER	Stainless steel AISI 30	04			
5	MOTOR SHAFT	Stainless steel EN 100)88-3 - 1.4104			
6	MECHANICAL SEAL	Seal Model	Shaft Diameter	Stationary ring	Materials Rotational ring	Elastomer
		AR-14	Ø 14 mm	Ceramic	Graphite	NBR
7	BEARINGS	6203 ZZ / 6203 ZZ				
8	CAPACITOR	Pump Single-phase	Capacitance (230 V or 240 V)	(110 V)		
		JCRm 2C	20 μF - 450 VL	60 μF -		
		JCRm 2B	25 μF - 450 VL	60 μF -		
		JCRm 2A	25 μF - 450 VL	60 μF -	300 VL	

9 ELECTRIC MOTOR

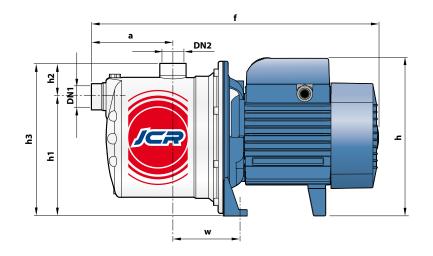
JCRm: single-phase 230 V - 50 Hz with thermal overload protector incorporated into the winding. JCR: three-phase 230/400 V - 50 Hz.

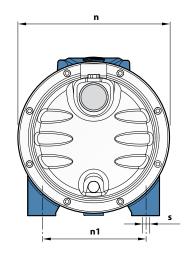
- **➡** The three-phase pumps are fitted with high performance motors in class IE2 (IEC 60034-30)
- Insulation: class F
- Protection: IP X4





DIMENSIONS AND WEIGHT





МС	DEL	РО	RTS					DIMENS	IONS mn	า				k	g
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	h3	n	n1	w	S	1~	3~
JCRm 2C	JCR 2C													10.2	10.2
JCRm 2B	JCR 2B	1″	1″	111	393	217	162	46	208	208	142	91	10	11.2	11.2
JCRm 2A	JCR 2A													11.5	11.5

ABSORPTION

MODEL	VOLTAGE							
Single-phase	230 V	240 V	110 V					
JCRm 2C	4.7 A	4.5 A	9.4 A					
JCRm 2B	5.8 A	5.3 A	11.6 A					
JCRm 2A	6.2 A	5.7 A	12 A					

MODEL	MODEL VOLTAGE					
Three-phase	230 V	400 V	690 V	240 V	415 V	720 V
JCR 2C	3.5 A	2.0 A	1.2 A	3.4 A	1.9 A	1.1 A
JCR 2B	4.6 A	2.7 A	1.6 A	4.4 A	2.5 A	1.5 A
JCR 2A	5.3 A	3.1 A	1.7 A	4.9 A	2.8 A	1.6 A

PALLETIZATION

МО	DEL	GROUPAGE	CONTAINER		
Single-phase	Three-phase	n. pumps	n. pumps		
JCRm 2C	JCR 2C	60	80		
JCRm 2B	JCR 2B	60	80		
JCRm 2A	JCR 2A	60	80		