

- ✓ CLEAN WATER
- ✓ DOMESTIC USE
- ✓ CIVIL USE



PERFORMANCE RANGE

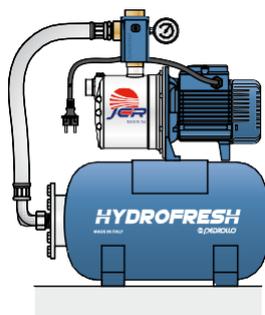
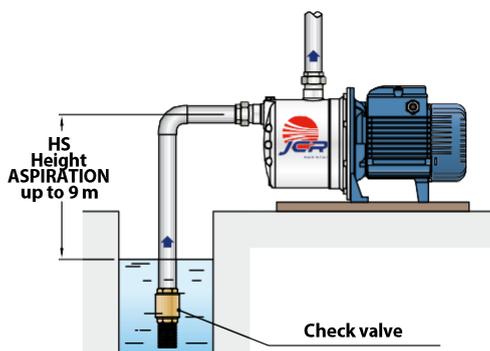
- Flow rate up to **70 l/min** (4.2 m³/h)
- Head up to **60 m**

INSTALLATION AND USE

JCR self-priming pumps are designed to draw water and liquids that contain air.

They are reliable and easy to operate. They are a favorite for domestic use, particularly effective for water distribution with small to medium-sized pressure tanks and suitable for irrigation.

EXAMPLES OF INSTALLATION



APPLICATION LIMITS

- Manometric suction head up to **9 m (HS)**
- Liquid temperature between **-10 °C** and **+40 °C**
- Ambient temperature up to **+40 °C**
- Maximum working pressure **6 bar**

AVAILABLE UPON REQUEST

- Different voltage requirements 60 Hz frequency
- Certified pumps 

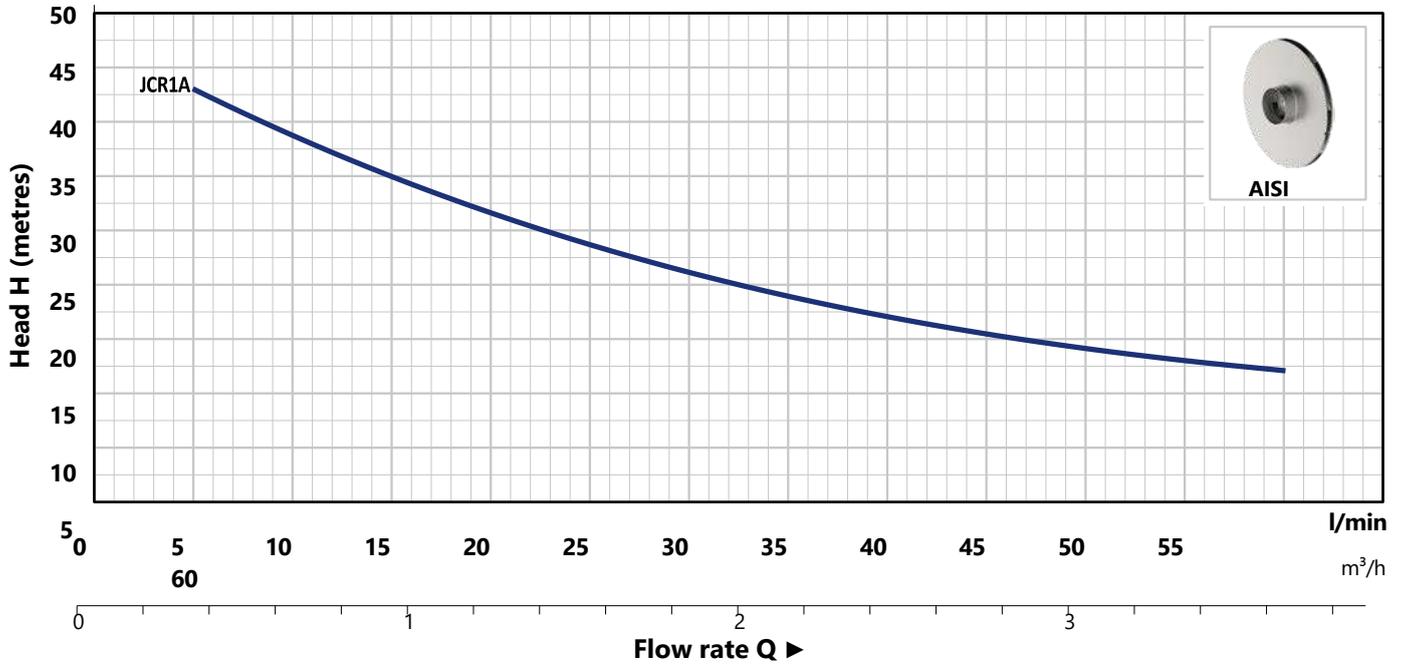
PATENTS - TRADE MARKS - MODELS

- European Patent No. 1 510 696



CURVES AND PERFORMANCE DATA – HS=0 m

50 Hz



TYPE		POWER (P2)		1~	3~	Q m³/h l/min	0	0.3	0.6	1.2	1.5	1.8	2.4	2.7	3.0	3.6
Single phase	Three phase	kW	HP				0	5	10	20	25	30	40	45	50	60
JCRm 1A	JCR 1A	0.55	0.75	IE2	IE3	H metres	48	43	39	31.5	28.5	26	22	20.5	19	17

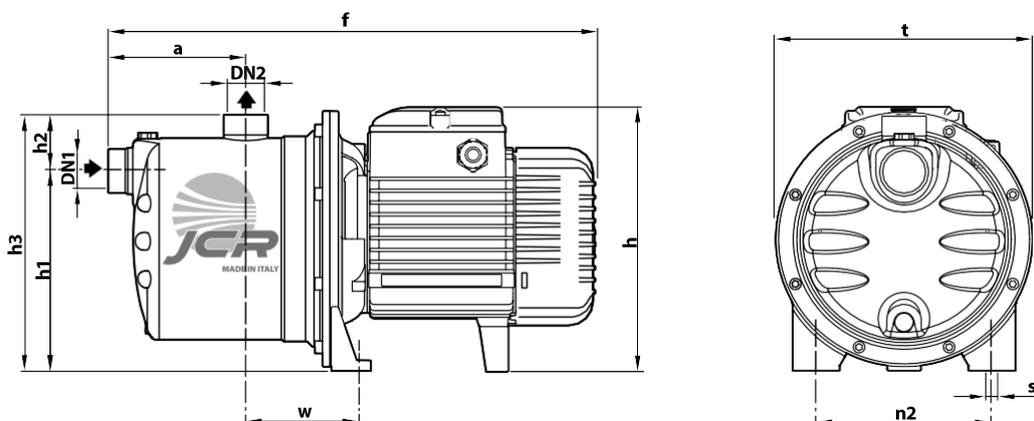
ABSORPTION

TYPE	VOLTAGE
Single-ph.	230 V
JCRm 1A	3.6 A

TYPE	VOLTAGE	
Three-ph.	230 V - t	400 V - s
JCR 1A	2.8 A	1.6 A



DIIMENSIONS AND WEIGHT



TYPE		PORTS		DIMENSIONS mm										kg	
Single-ph.	Three-ph.	DN1	DN2	a	f	h	h1	h2	h3	t	n2	w	s	1~	3~
JCRm 1A	JCR 1A	1"	1"	113	367	183	132	51	183	182	120	87	9	7.8	7.1

(*) h=236 mm for single-phase 110V versions

PALLET CAPACITY

TYPE		NO. OF PUMPS
Single-ph.	Three-ph.	
JCRm 1A	JCR 1A	84



MATERIALS AND COMPONENTS

1 Pump body Stainless steel **AISI 304**, provided with ISO 228/1 threaded ports

2 Cover Stainless steel **AISI 304**

3 Ejector unit Noryl™

4 Impeller Stainless steel **AISI 304**

5 Mechanical seal	Water pump	Seal	Shaft	Materials
JCR1		AR-12	Ø 12 mm	Ceramic / Graphite / NBR
JCR2		AR-14	Ø 14 mm	Ceramic / Graphite / NBR

6 Motor shaft Stainless steel **AISI 431**

7 Electric motor

JCRm: single-phase 230 V – 50 Hz with winding integrated thermal motor protection
JCR: three-phase 230/400 V – 50 Hz
 ※ Pumps are equipped with high-efficiency motors (IEC 60034-30-1)
 class **IE2** for single-phase models'
 class **IE3** for three-phase models'

- Continuous running duty **S1**
- Insulation: CLASS F
- Protection rating: IP X4

