

IT
NEW

JCR2



 **PEDROLLO**[®]
... the spring of life

NEW

TECHNICAL CHARACTERISTICS

- ▶ New self-priming electric water pumps
- ▶ Original design by Pedrollo
- ▶ Quieter
- ▶ Better hydraulic characteristics
- ▶ Better priming performances
- ▶ Reduced energy consumption
- ▶ Pump body in stainless steel AISI 304
- ▶ Impeller in stainless steel AISI 304

INSTALLATION AND USE

Suitable for use with clean water and 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 sets, and for the irrigation of gardens and allotments, etc.

APPLICATION LIMITS

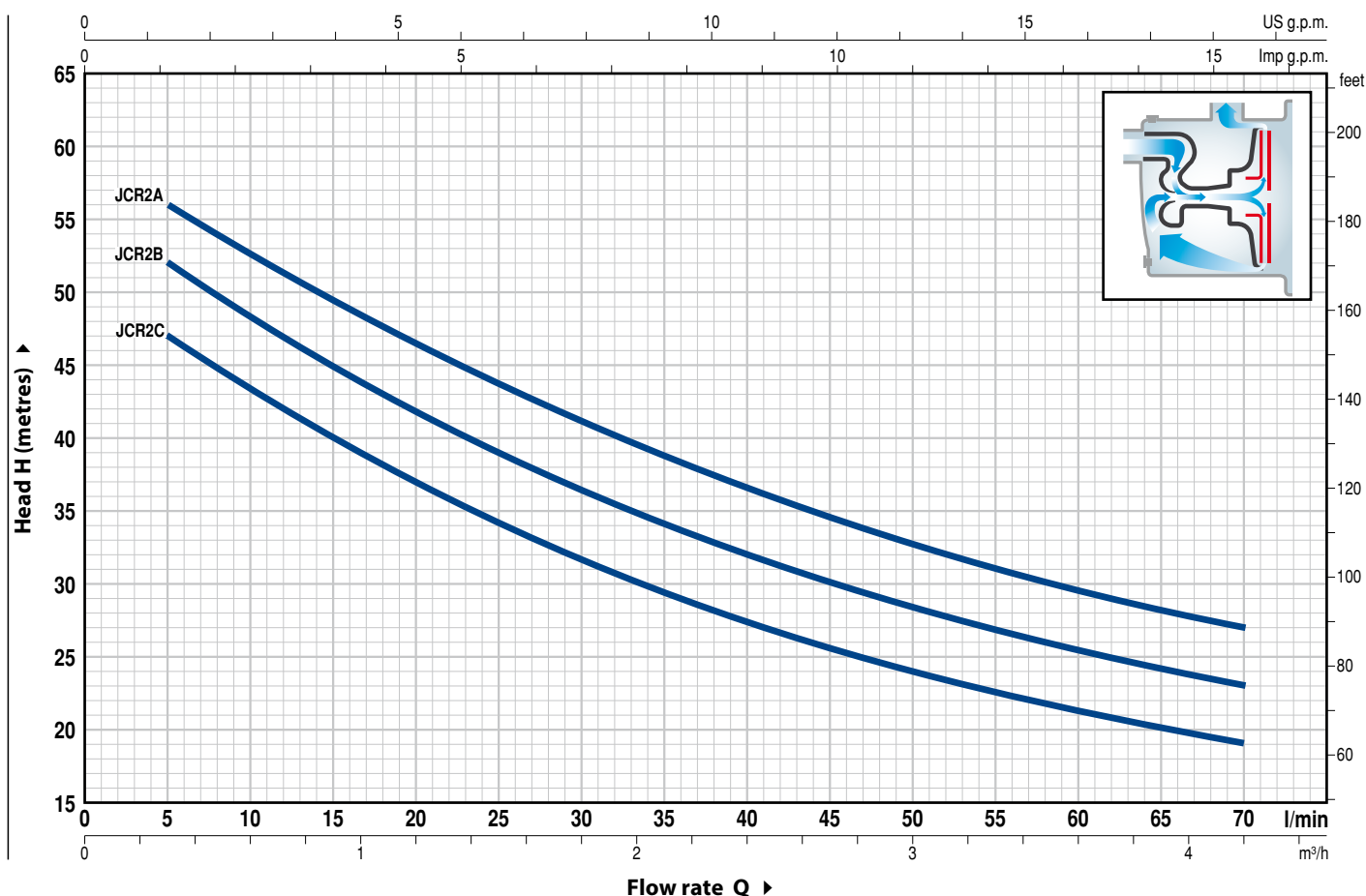
- Manometric suction lift up to **9 m (HS)**
- Liquid temperature between **-10 °C** and **+40 °C**
- Ambient temperature up to **+40 °C**
- Max. working pressure **6.5 bar**
- Continuous service **S1**

PATENTS

- European Patent n° 1 510 696

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n = 2900 1/min HS = 0 m



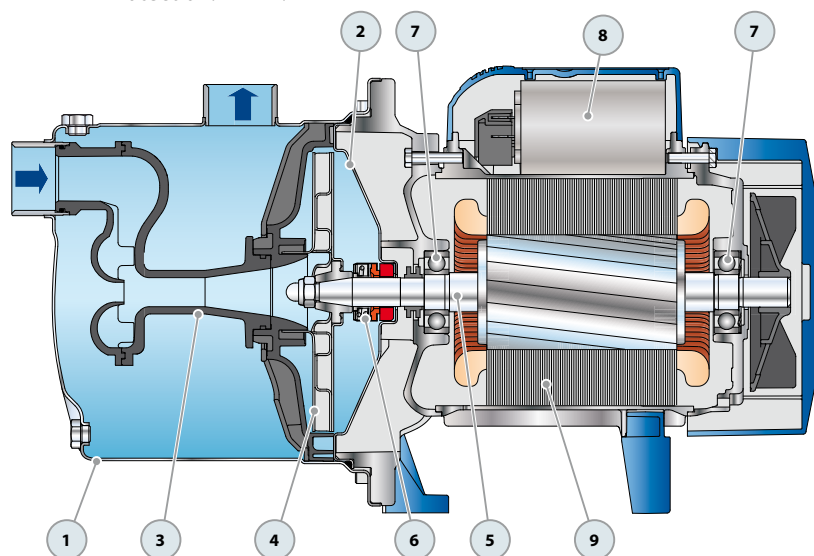
MODEL		POWER		Q m³/h l/min	Flow rate Q (l/min)											
Single-phase	Three-phase	kW	HP		0	0.3	0.6	1.2	1.5	1.8	2.4	2.7	3.0	3.6	4.2	
JCRm 2C	JCR 2C	0.75	1	H metres	0	5	10	20	25	30	40	45	50	60	70	
JCRm 2B	JCR 2B	0.90	1.25		50	47	43	37	34	31.5	27.5	25.5	24	21	19	
JCRm 2A	JCR 2A	1.1	1.5		55	52	48	42	39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

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

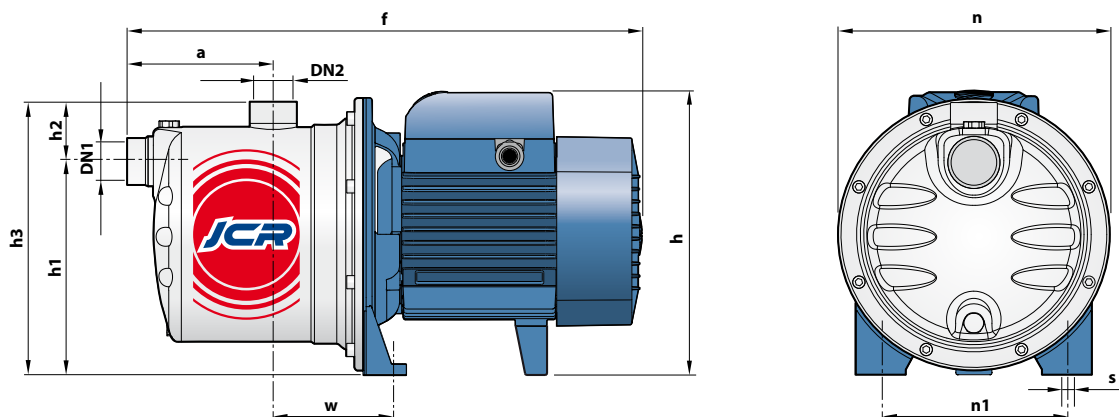
Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3.

POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
1	Base	Concrete or steel plate
2	Support	Steel plate or concrete
3	Frame	Steel plate or concrete
4	Roof	Steel plate or concrete
5	Walls	Steel plate or concrete
6	Floors	Steel plate or concrete
7	Columns	Steel plate or concrete
8	Beams	Steel plate or concrete
9	Trusses	Steel plate or concrete
10	Roofing	Steel plate or concrete
11	Walls	Steel plate or concrete
12	Floors	Steel plate or concrete
13	Columns	Steel plate or concrete
14	Beams	Steel plate or concrete
15	Trusses	Steel plate or concrete
16	Roofing	Steel plate or concrete
17	Walls	Steel plate or concrete
18	Floors	Steel plate or concrete
19	Columns	Steel plate or concrete
20	Beams	Steel plate or concrete
21	Trusses	Steel plate or concrete
22	Roofing	Steel plate or concrete
23	Walls	Steel plate or concrete
24	Floors	Steel plate or concrete
25	Columns	Steel plate or concrete
26	Beams	Steel plate or concrete
27	Trusses	Steel plate or concrete
28	Roofing	Steel plate or concrete
29	Walls	Steel plate or concrete
30	Floors	Steel plate or concrete
31	Columns	Steel plate or concrete
32	Beams	Steel plate or concrete
33	Trusses	Steel plate or concrete
34	Roofing	Steel plate or concrete
35	Walls	Steel plate or concrete
36	Floors	Steel plate or concrete
37	Columns	Steel plate or concrete
38	Beams	Steel plate or concrete
39	Trusses	Steel plate or concrete
40	Roofing	Steel plate or concrete
41	Walls	Steel plate or concrete
42	Floors	Steel plate or concrete
43	Columns	Steel plate or concrete
44	Beams	Steel plate or concrete
45	Trusses	Steel plate or concrete
46	Roofing	Steel plate or concrete
47	Walls	Steel plate or concrete
48	Floors	Steel plate or concrete
49	Columns	Steel plate or concrete
50	Beams	Steel plate or concrete
51	Trusses	Steel plate or concrete
52	Roofing	Steel plate or concrete
53	Walls	Steel plate or concrete
54	Floors	Steel plate or concrete
55	Columns	Steel plate or concrete
56	Beams	Steel plate or concrete
57	Trusses	Steel plate or concrete
58	Roofing	Steel plate or concrete
59	Walls	Steel plate or concrete
60	Floors	Steel plate or concrete
61	Columns	Steel plate or concrete
62	Beams	Steel plate or concrete
63	Trusses	Steel plate or concrete
64	Roofing	Steel plate or concrete
65	Walls	Steel plate or concrete
66	Floors	Steel plate or concrete
67	Columns	Steel plate or concrete
68	Beams	Steel plate or concrete
69	Trusses	Steel plate or concrete
70	Roofing	Steel plate or concrete
71	Walls	Steel plate or concrete
72	Floors	Steel plate or concrete
73	Columns	Steel plate or concrete
74	Beams	Steel plate or concrete
75	Trusses	Steel plate or concrete
76	Roofing	Steel plate or concrete
77	Walls	Steel plate or concrete
78	Floors	Steel plate or concrete
79	Columns	Steel plate or concrete
80	Beams	Steel plate or concrete
81	Trusses	Steel plate or concrete
82	Roofing	Steel plate or concrete
83	Walls	Steel plate or concrete
84	Floors	Steel plate or concrete
85	Columns	Steel plate or concrete
86	Beams	Steel plate or concrete
87	Trusses	Steel plate or concrete
88	Roofing	Steel plate or concrete
89	Walls	Steel plate or concrete
90	Floors	Steel plate or concrete
91	Columns	Steel plate or concrete
92	Beams	Steel plate or concrete
93	Trusses	Steel plate or concrete
94	Roofing	Steel plate or concrete
95	Walls	Steel plate or concrete
96	Floors	Steel plate or concrete
97	Columns	Steel plate or concrete
98	Beams	Steel plate or concrete
99	Trusses	Steel plate or concrete
100	Roofing	Steel plate or concrete

1	PUMP BODY	Stainless steel AISI 304, complete with threaded ports in compliance with ISO 228/1				
2	BODY BACKPLATE	Stainless steel AISI 304				
3	NOZZLE ASSEMBLY	Noryl FE1520PW				
4	IMPELLER	Stainless steel AISI 304				
5	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104				
6	MECHANICAL SEAL	<i>Seal Model</i>	<i>Shaft Diameter</i>	<i>Stationary ring</i>	<i>Materials Rotational ring</i>	<i>Elastomer</i>
		AR-14	Ø 14 mm	Ceramic	Graphite	NBR
7	BEARINGS	6203 ZZ / 6203 ZZ				
8	CAPACITOR	<i>Pump Single-phase</i>	<i>Capacitance (230 V or 240 V)</i>	<i>(110 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	ELECTRIC MOTOR	JCRm: monofase 230 V - 50 Hz con salvamotore termico incorporato nell'avvolgimento. JCR: three-phase 230/400 V - 50 Hz. ⇒ Pumps fitted with the three-phase motor option offer IE2 (IEC 60034-30) class high performance. ⇒ Stator and rotor are made out of magnetic sheet with low iron loss. – Insulation: F class. – Protection: IP X4.				



DIMENSIONS



MODEL		PORTS		DIMENSIONS mm									
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	h3	n	n1	w	s
JCRm 2C	JCR 2C	1"	1"	111	393	217	162	46	208	208	142	91	10
JCRm 2B	JCR2 B												
JCRm 2A	JCR 2A												



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