



Clean water



Domestic use



Industrial use



Agricultural use



✳ With anti-lock front scraping

INSTALLATION AND USE

Designed for pumping diesel/naphtha and clean water free from abrasive particles and non-corrosive liquids that do not harm the pump's components.

Their specific operating mechanism makes them an excellent solution when a compact self-priming pump is required or when the flow of the liquid is irregular or mixed with air.

APPLICATION LIMITS

- Suction head up to **9 m (HS)**
- Liquid temperature between **-10 °C** and **+90 °C**
- Ambient temperature up to **+40 °C**
- Maximum working pressure **6 bar**

AVAILABLE UPON REQUEST

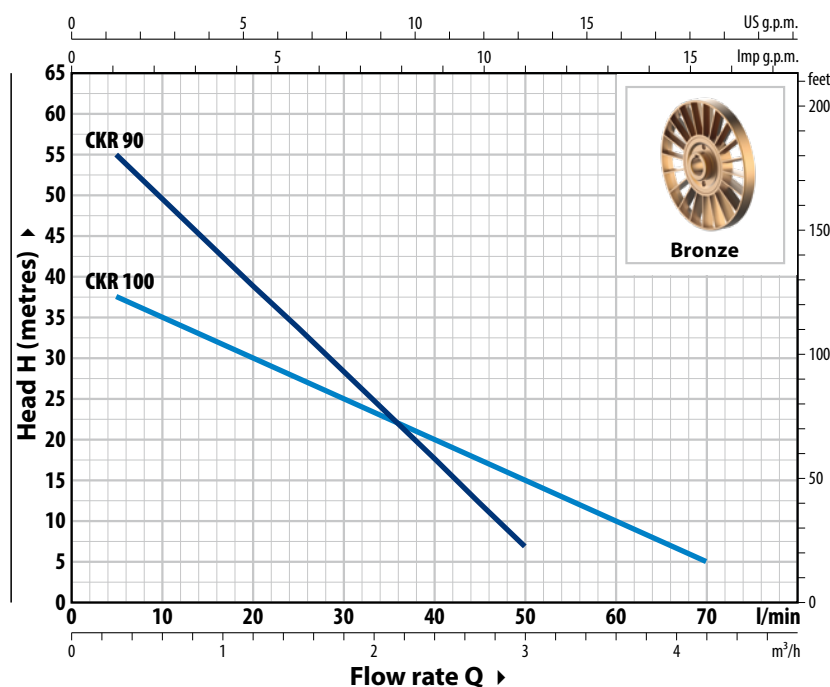
- ✳ Mechanical seal options available
- ✳ Specific voltages
- ✳ Protection rating: IP 55

PATENTS - TRADE MARKS - MODELS

- Motor bracket: Patent No. IT1243605

CURVES AND PERFORMANCE DATA – HS=0 m

50 Hz



ABSORPTION

MODEL	VOLTAGE	
Single-phase	230 V	
CKRm 90	5.7 A	
CKRm 100	6.0 A	

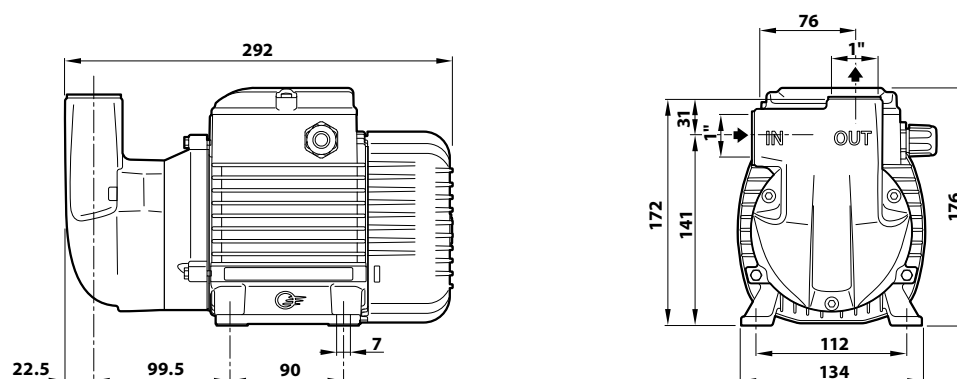
MODEL	VOLTAGE	
Three-phase	230 V - Δ	400 V - Δ
CKR 90	4.0 A	2.3 A
CKR 100	3.8 A	2.2 A

MODEL		POWER (P2)		Q	m³/h	0	0.3	0.6	1.2	1.8	2.4	3.0	3.6	4.2
Single-phase	Three-phase	kW	HP											
CKRm 90	CKR 90	0.75	1	1~3~	Q	60	55	49.7	39	28.3	17.7	7		
CKRm 100	CKR 100					40	37.5	35	30	25	20	15	10	5

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

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

DIMENSIONS (mm)



MODEL		PORTS		WEIGHT (kg)		PALLET CAPACITY n. of pumps
Single-phase	Three-phase	DN1	DN2	1~	3~	
CKRm 90	CKR 90	1"	1"	12.0	12.0	119
CKRm 100	CKR 100					

CONSTRUCTION FEATURES

1	Pump body	Cast iron, with stainless-steel front shaving surface to prevent the impeller from locking due to oxidation. The pump body is equipped with ISO 228/1 threaded ports		
2	Motor bracket	Aluminium with brass cover with front anti-locking shim function (patented)		
3	Impeller	Bronze, star-type with open radial vanes		
4	Mechanical seal	Type	Materials	
		AR-12V	Ceramic / Graphite / Viton	
5	Shaft	Stainless steel AISI 431		
6	Electric motor	CKRm : single-phase 230 V - 50 Hz with winding integrated thermal motor protection		
		CKR : 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		

