

SPRINKLER

Self-priming centrifugal pumps

 Clean water

 Domestic use

 Civil use



PERFORMANCE RANGE

- Flow rate up to **400 l/min** (24.0 m³/h)
- Head up to **36 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 **10 bar**
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

EN 60335-1
IEC 60335-1
CEI 61-150

EN 60034-1
IEC 60034-1
CEI 2-3



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 **SPRINKLER** pumps are designed to pump water even in cases where air is present. Because of their reliability and the fact that they are easy to use, they are recommended for use in domestic and civil applications such as the distribution of water in combination with 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.

OPTIONS AVAILABLE ON REQUEST

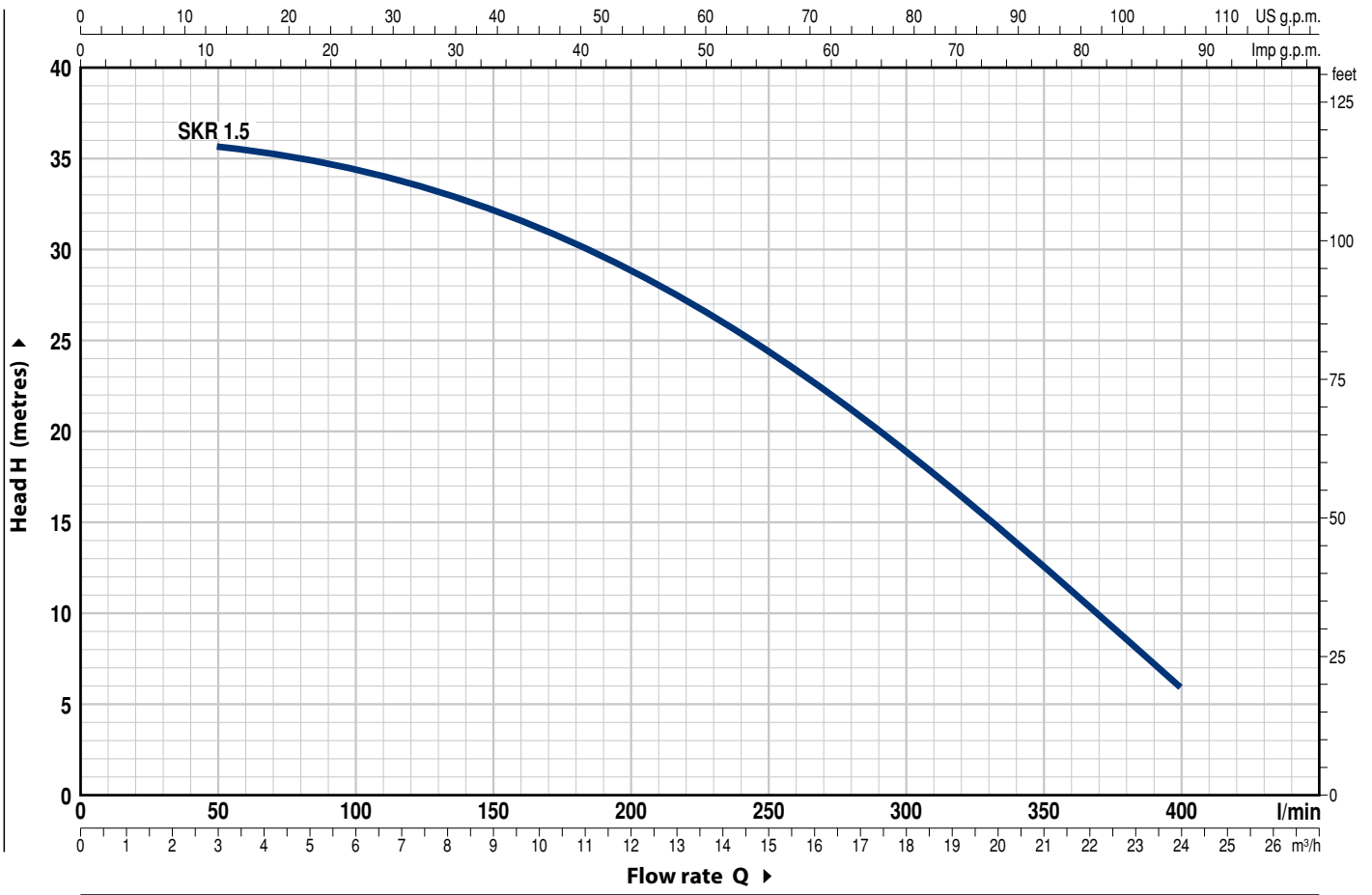
- Other voltages
- IPX5 protection

CERTIFICATIONS

Company with management system certified DNV
ISO 9001: QUALITY

CHARACTERISTIC CURVES AND PERFORMANCE DATA

60 Hz n= 3450 min⁻¹ HS= 0 m

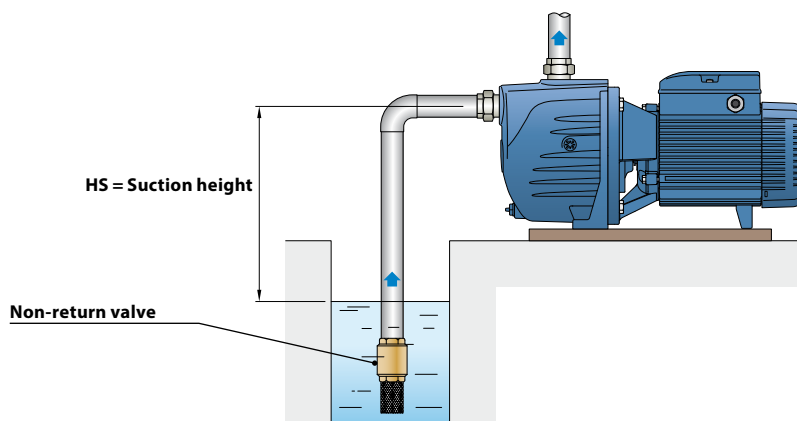


MODEL		POWER (P ₂)				▲	Q	Flow rate (l/min)							
Single-phase	Three-phase	kW	HP	Service Factor	0			3.0	6.0	9.0	12.0	15.0	18.0	21.0	24.0
SKRm 1.5	SKR 1.5	1.1	1.5	1.3	IE3	H metres	36	35.5	34.5	32	29	24.5	19	12.5	6

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

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

▲ Performance class of the three-phase motor (IEC 60034-30-1)

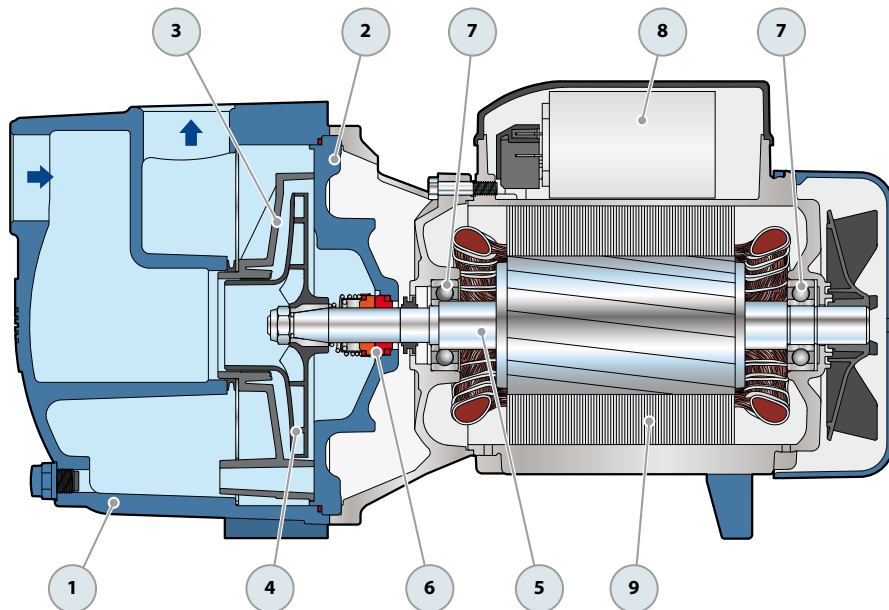


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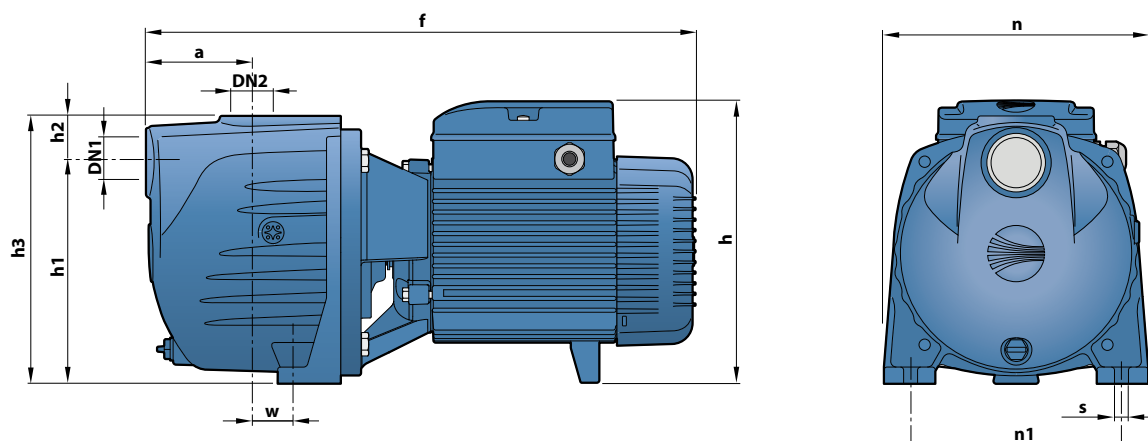
POS. COMPONENT

CONSTRUCTION CHARACTERISTICS

1	PUMP BODY	Cast iron with an Epoxy Electro Coating treatment, with NPT ANSI B 1.20.1 threaded ports				
2	BODY BACKPLATE	Cast iron with an Epoxy Electro Coating treatment				
3	DIFFUSER	Noryl FE1520PW				
4	IMPELLER	Noryl FE1520PW				
5	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104				
6	MECHANICAL SEAL	<i>Seal Model</i> FN-18	<i>Shaft Diameter</i> Ø 18 mm	<i>Stationary ring</i> Graphite	<i>Rotational ring</i> Ceramic	<i>Elastomer</i> NBR
7	BEARINGS	6204 ZZ / 6204 ZZ				
8	CAPACITOR	<i>Pump Single-phase</i> SKRm 1.5	<i>Capacitance (220 V)</i> 50 µF - 450 VL	<i>(110 V or 115 V)</i> 80 µF - 250 VL		
9	ELECTRIC MOTOR	<p>SKRm: single-phase 220 V - 60 Hz with thermal overload protector incorporated into the winding. SKR: three-phase 220/380 V - 60 Hz or 220/440 V - 60 Hz.</p> <p>➔ The three-phase pumps are fitted with high performance motors in class IE3 (IEC 60034-30-1)</p> <p>– Insulation: class F – Protection: IP X4</p>				



DIMENSIONS AND WEIGHT



MODEL		PORTS		DIMENSIONS mm										kg	
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	h3	n	n1	w	s	1~	3~
SKRm 1.5	SKR 1.5	1½" NPT	1½" NPT	91	465	241	186	39	225	223	178	37.5	11	27.3	-

ABSORPTION

MODEL	VOLTAGE		
	220 V	110 V	115 V
Single-phase			
SKRm 1.5	11 A	22 A	22 A

MODEL	VOLTAGE			
	220 V	380 V	220 V	440 V
Three-phase				
SKR 1.5	-	-	-	-

PALLETIZATION

MODEL		GROUPAGE n. pumps	CONTAINER n. pumps
Single-phase	Three-phase		
SKRm 1.5	SKR 1.5	35	49