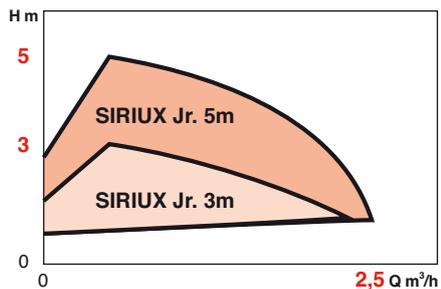


## OPERATING LIMITS

Flow up to	2.5 m <sup>3</sup> /h
Head. up to	5 m
Maximum operating pressure	10 bar
Temperature range	+2 to +110°C*
Maximum ambient temperature	+ 40°C
EEL-Part 2	≤0,27

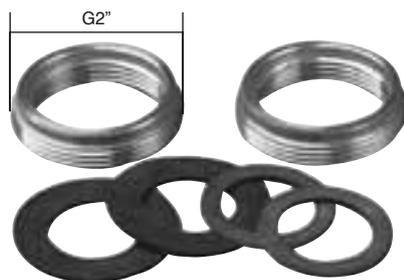
\* See operating instructions leaflet

The benchmark for most efficient circulators is EEL ≤ 0,20



## ADVANTAGES

- Energy-saving
- Automatic de-jamming system
- Noise control
- Cataphoretic paint
- Quick fit electrical connectors



• Adaptation rings ØG1<sup>1/2</sup>" - 2" Réf. 4051850

# SIRIUX Jr

## HIGH EFFICIENCY CIRCULATORS

### Heating 50 Hz

## APPLICATIONS

For accelerated water circulation for heating or cooling, with optimization of circulator operating point for:

- Old or new installations (renovations and extensions)
- Installations with or without thermostatic valves.

- Individual Houses
- Underfloor heating

**Circulating pumps recommended for installations fitted with thermostatic valves**



• Sirix Jr 3m and 5m

# SIRIUX Jr

## DESIGN

### • Hydraulic part

- Pump casing with threaded ports for mounting directly on pipework.
- The pump body is fully cathaphoresis coated to ensure corrosion resistance.

### • Motor

- Single phase, wet rotor.
- Bearings lubricated by pumped liquid.
- Self-regulating, adapts to the pressure required by the installation.
- Self protected by impedance, requires no external protection system.
- Synchronous motor using E.C.M. (Electronically Commuted Motor) technology, fitted with a permanent magnet rotor. The rotating magnetic field of the stator is generated by electronic switching of the coils.

This rotating field creates a continuous torque through the attraction of the unlike magnetic poles of the rotor, controlling its position (synchronous motor). This gives the motor optimum performance at any speed.

Protection index : IP 44  
 Maximum temperature of pumped liquid : TFT 110  
 CEM compliance : - emission 61000-6-3  
 - immunity 61000-6-2

## IDENTIFICATION

Sirix Jr - 3m

Sirix Jr : \_\_\_\_\_  
 Heating circulating pumps  
 (180 mm between threaded ports - ND 25)

3m : \_\_\_\_\_  
 Pressure head at 1m<sup>3</sup>/h

## STANDARD CONSTRUCTION

Main parts	Material
Pump housing	Cathaphoretically treated Cast iron
Impeller	Composite
Shaft- air gap sleeve	Stainless steel
Impeller neck ring	Stainless steel
Bearings	Graphite
Seals	Ethylene-propylene

## ADVANTAGES

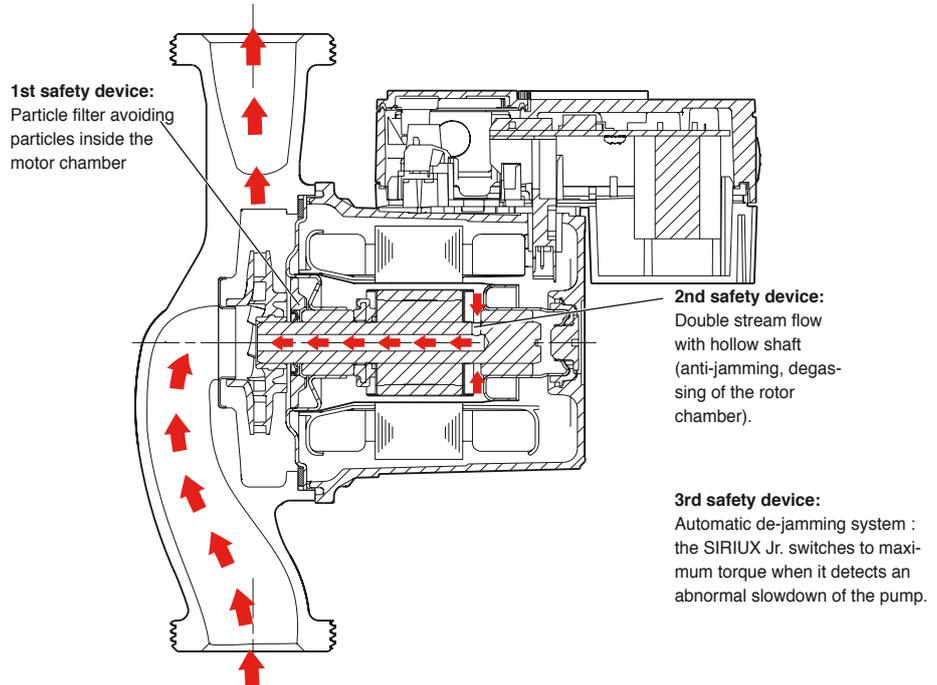
### • Energy-saving:

High efficiency circulators, with optimization of the operating point.  
 Energy savings of up to 80% compared to a traditional circulator.

### • Noise control

Eliminating of whistling and hydraulic noises in the thermostatically controlled valves.  
 Automatic adapting of speeds to the system's needs.

### • Safety devices to prevent blockage



### • Simple and fast installation

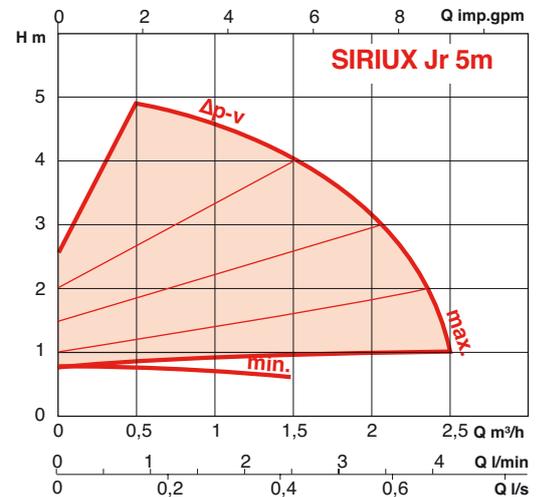
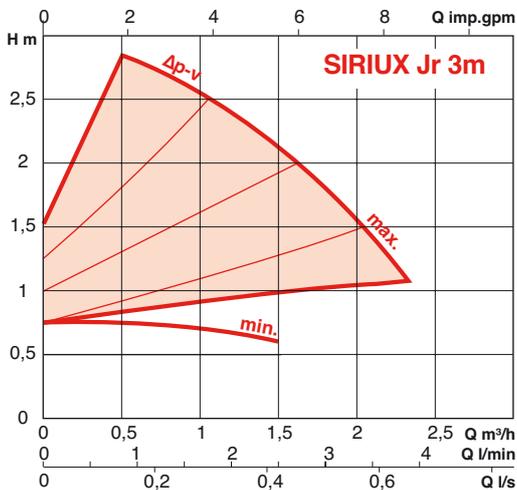
Electrical connections possible on both sides of the terminal box.



A flat on the pump body makes it easy to hold with a spanner when installing.

Quick fit electrical connectors

## HYDRAULIC PERFORMANCE



## PRESSIONS MINIMALES

• Minimum suction pressures depend on operating temperatures

Type	82°C	95°C	110°C
Siriux Jr	1,5 mCE	3,0 mCE	10 mCE

10,2 mCE = 1 bar

To avoid bearing damage and the risks of cavitation of the pump, it is essential to observe the minimum pressures stated above.



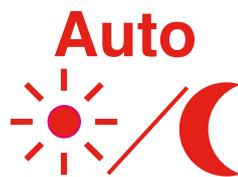
## SETTINGS

Only one settings knob

The knob of the selector switch situated on the front of the terminal box allows you to select the hydraulic curve suiting with the needs of the installation.



The numbers 1 to 3 (Siriux Jr 3m) or 1 to 5 (Siriux Jr 5m) indicate the manometric head in meters. Any intermediate position can be selected.

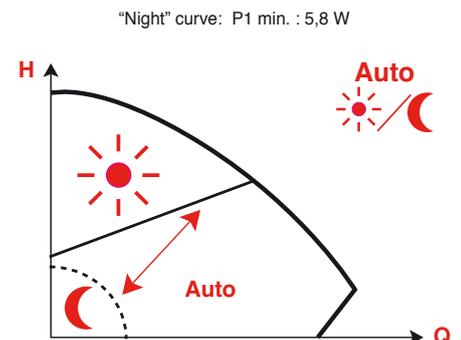


### • "Night" curve:

The Temperature sensor of the SIRIUX JR is able to detect when the boiler is in "night mode"

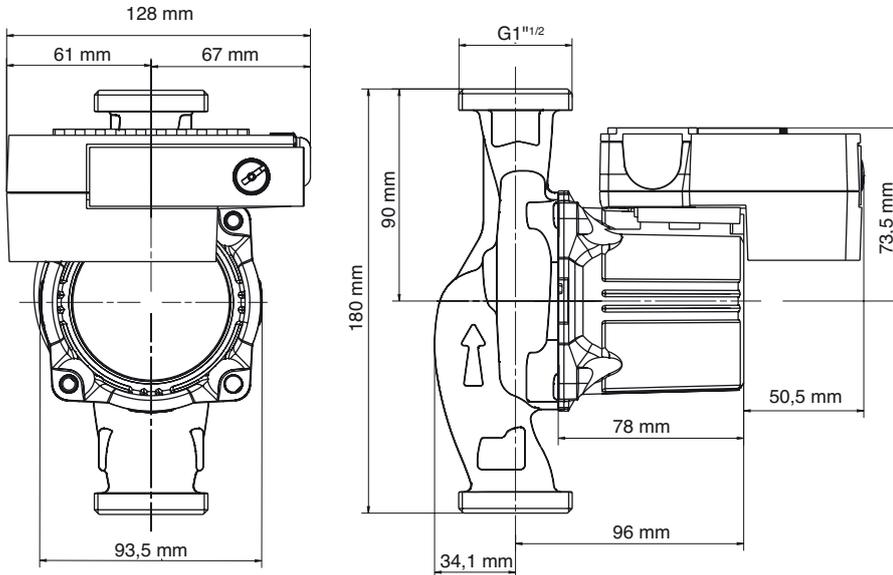
If the SIRIUX JR detects a significant drop of water temperature, it automatically switches to its night curve to avoid an unnecessary consumption of energy.

Then, the SIRIUX JR. will revert to its pre-set operating curve as soon as an increase in water temperature is detected.



# SIRIUX Jr

## ELECTRICAL DATA AND DIMENSIONS



## FEATURES

### a) Electrical

- Single-phase, 230-V, 50Hz (60Hz).
- Motor protection circuit-breaker not required.

### b) Installation

- Motor shaft always horizontal.
- Installation using union fittings.

### c) Packaging

- Supplied with seals, without union fittings.

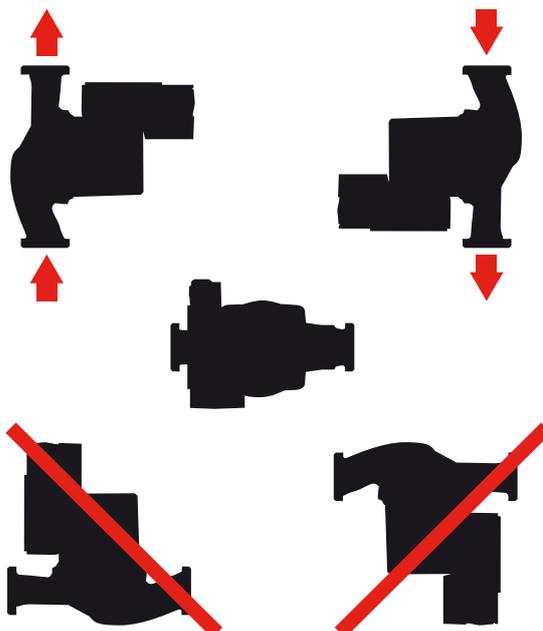
### d) Maintenance

- Standard exchange of circulator.

Order reference	MOTOR						PUMP				
	Speed (rpm)		P1 (W)		I1 (A)		Distance between centres	Connexion on threaded pipe			Mass (kg)
	Min.	Max.	Min.	Max.	Min.	Max.		Ø 3/4"	Ø 1"	Ø 1 1/4"	
SIRIUX Jr. 3m*	1 400	2 700	5,8	32	0,07	0,3	180 mm	RED 2027 n° 4104741	RU 2634 no 4104727	RU 3342 n° 4104728 + adaptation ring n°4051850	2,9
SIRIUX Jr. 5m	1 400	3 500	5,8	59	0,07	0,46					

\* Exist in distance between centres 130 - Connexion ND 15 (SIRIUX-Jr - 130 - DN15)

## FITTING POSITIONS



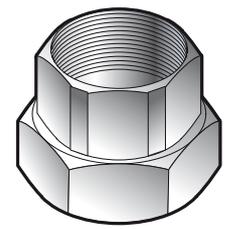
## ACCESSORIES



• Adaptation rings ØG 1 1/2 - 2"  
Ref.: 4051850



• Union with valve  
RU 2634 - Ref.: 4063825



• Union