THUNDER SERIES

High-Flow Spa & Jacuzzi Pump

PRODUCT OVERVIEW

Thunder Series high-flow pumps are designed for hydro-massage tubs, whirlpools and concrete Jacuzzi systems. The source also describes commercial spa and swimming pool applications.



MOTOR & CONSTRUCTION

1. **Air-cooled motor**
   Air cooling and advanced winding design.
2. **Aluminum frame and base**
   Conjoined frame and base construction.
3. **Class F insulation**
   Insulation class F, as specified.
4. **IP55 protection**
   Motor protection rating stated in the source.
5. **Continuous duty**
   Continuous-duty operation specified.

THUNDER MODEL FAMILY

CX-20801	CX-20802
3.0 kW / 4.0 HP	**4.0 kW / 5.5 HP**
Power P1	Power P1

POWER P1	Qmax	Hmax	PROTECTION
3.0–4.0 kW	1300–1500 l/min	13–17.5 m	IP55

THUNDER SERIES

Model Range & Detailed Specifications

Two models with individual power, maximum flow and maximum head ratings. All source table values are retained below.

CX-20801



3.0 kW / 4.0 HP

CX-20802



4.0 kW / 5.5 HP

ELECTRICAL & HYDRAULIC DATA

MODEL	Qmax (l/min)	Hmax (m)	P1 kW	P1 HP	AMPS 380V/50Hz
CX-20801	1300	13	3.0	4.0	5.2
CX-20802	1500	17.5	4.0	5.5	7.0

CONNECTION, WEIGHT & SHIPPING

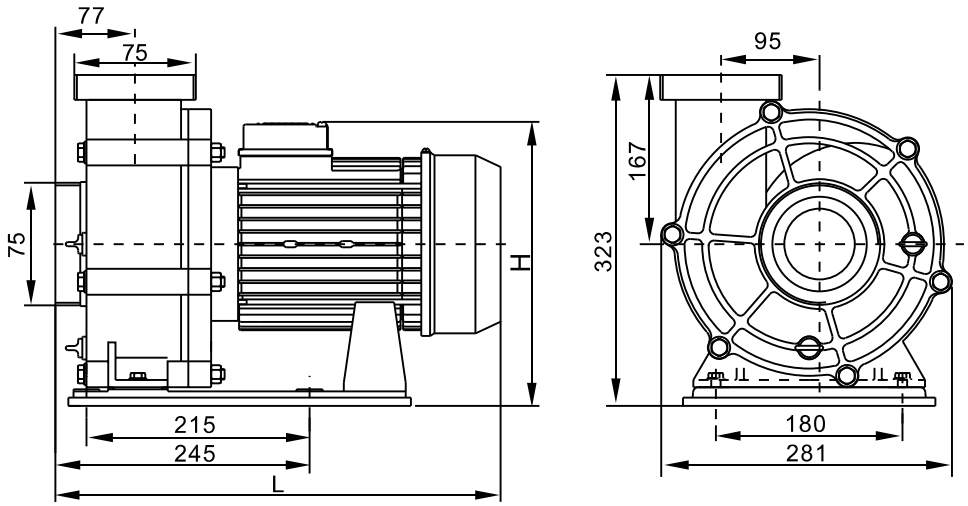
MODEL	FITTING SIZE (mm)*	(Kg)	PACKING SIZE (mm)	Qty/20’	VOLUME*
CX-20801	3”	23.9	445x310x360	584	0,067
CX-20802	3”	25.6	475x310x360	547	0,067

* Source lists 3” under (mm); volume unit is unclear. Values retained.

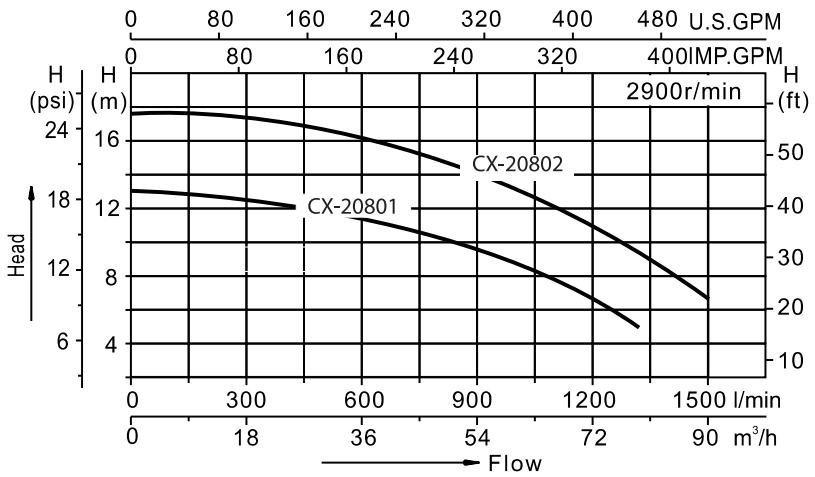
THUNDER SERIES

Technical Data Sheet

ENGINEERING DRAWINGS



PERFORMANCE CURVES



Original source curves | 2900 r/min

DRAWING NOTES

All dimension figures and symbols are preserved in the original drawing.

L and H are shown without numerical values or a model-specific dimension table.

Drawing units are not explicitly stated.

Maximum head and maximum flow are separate ratings, not one duty point.

THUNDER SERIES

Materials of Construction & Motor Features



MOTOR & FRAME

Air-cooled motor with an advanced winding design. The source describes the motor as suitable for Europe and commercial spa / Jacuzzi applications.

The frame and base are conjoined in aluminum. Low noise, reduced vibration and durability are described in the source; no measured noise or vibration values are supplied.

MOTOR SPECIFICATIONS

Insulation
Class F

Protection
IP55

Duty
Continuous

Medium temperature
50 °C

APPLICATIONS

Hydro massage
Hydro-massage tubs

Whirlpool
Whirlpool SPA systems

Jacuzzi
Concrete / commercial Jacuzzi

Pool
Swimming pool pumps

SOURCE CLARIFICATION

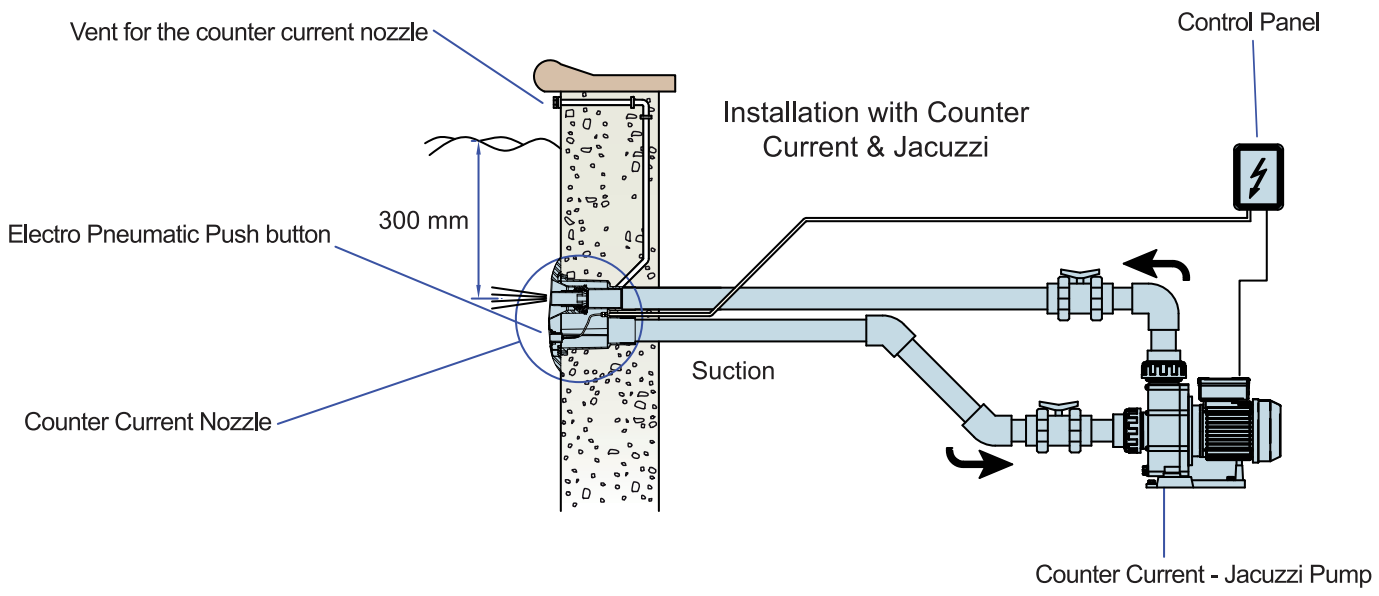
The motor text states “Single-phase with thermal protector from T1 to ensure safety.” The model table specifies 380 V / 50 Hz. Both statements are retained; supply phase and the T1 protector designation require confirmation. No phase conversion or correction has been made.

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Installation with Counter Current & Jacuzzi

Original installation schematic with source connection labels, flow arrows and the 300 mm dimension retained.

SOURCE INSTALLATION SCHEMATIC



SCHEMATIC IDENTIFICATION

Vent for the counter current nozzle • Electro Pneumatic Push button • Counter Current Nozzle • Suction • Control Panel • Counter Current - Jacuzzi Pump

The source schematic is reproduced without adding pipe sizes, electrical ratings or installation dimensions.

THUNDER SERIES

Component Identification & Exploded View

EXTERNAL ASSEMBLY

The supplied illustration shows the upper and front connection fittings separated from the assembled pump.

ASSEMBLED REFERENCE





Visual identifiers A and B refer only to this illustration. They are not manufacturer part numbers.

EXTERNAL COMPONENT IDENTIFICATION

REF.	VISIBLE COMPONENT	ILLUSTRATION DESCRIPTION
A	Upper connection fitting	Shown separated above the pump connection.
B	Front connection fitting	Shown separated in front of the pump connection.

Illustrative external view supplied by the user; internal components and service-part codes are not shown.