

GRUNDFOS SCALA2 Integrated Self Priming Compact Water Booster Pump



GRUNDFOS SCALA2 Integrated Self Priming Compact Water Booster Pump Owner's Manual

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GRUNDFOS SCALA2 Integrated Self Priming Compact Water Booster Pump



SCALA2 3-45

SCALA2 is an integrated, self-priming, compact water booster pump. It is designed for perfect pressure inside the home. It's quiet, easy to install, and maintains consistent pressure in all taps at all times.

Conditions of Service

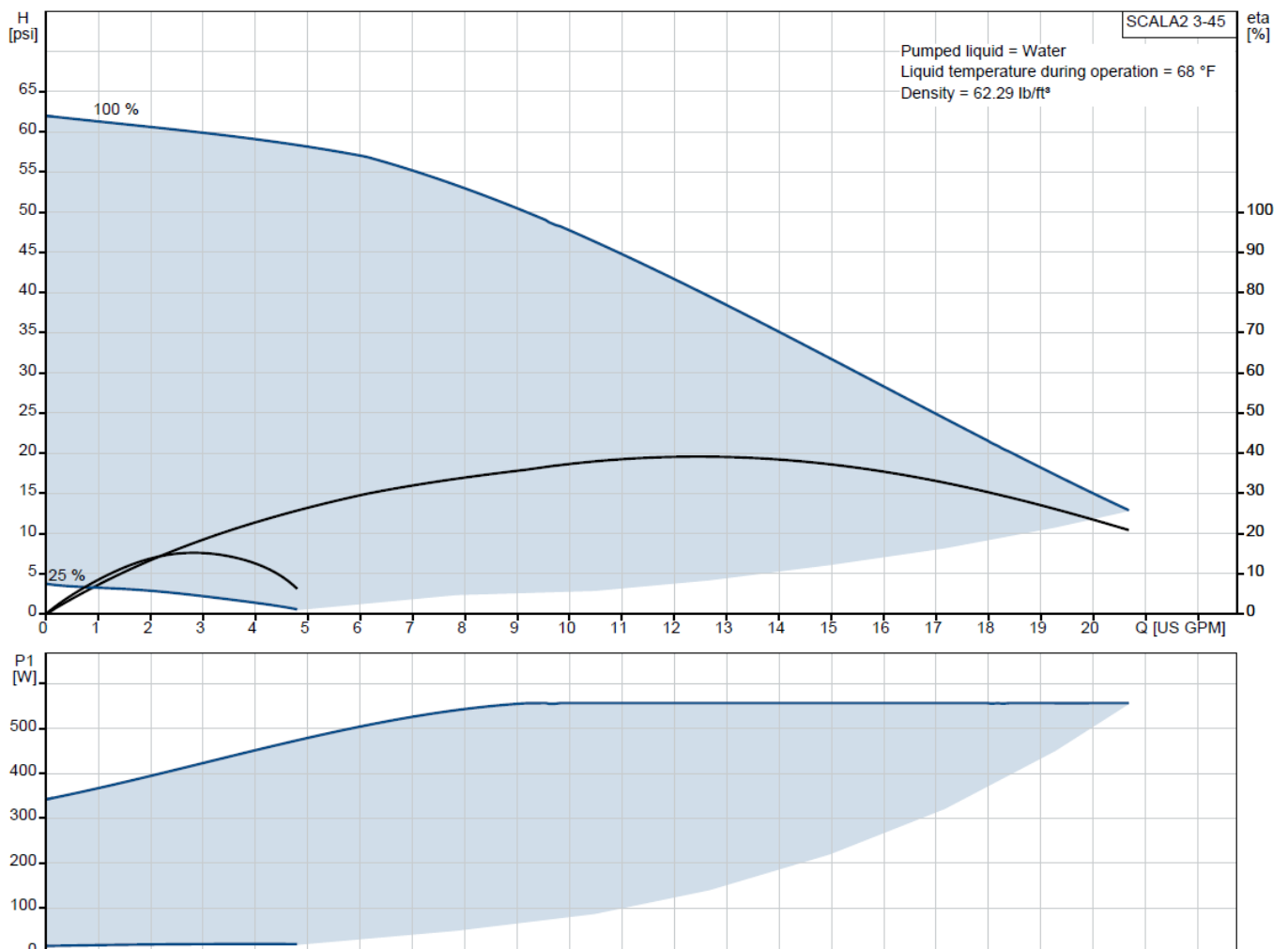
- Efficiency: %
- Liquid: Water
- Temperature: 68 °F
- NPSH required: psi
- Specific Gravity: 1.000

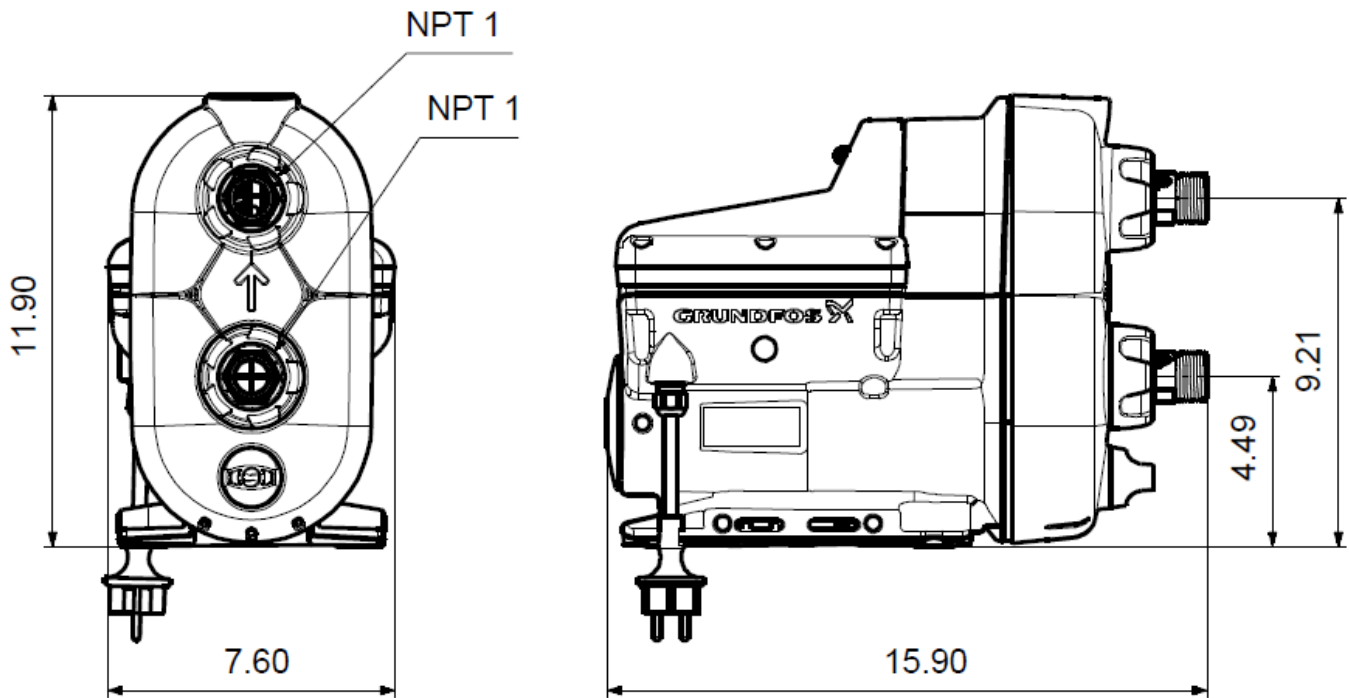
Pump Data

- Liquid temperature range: 32 .. 113 °F
- Maximum ambient temperature: 113 °F
- Product number: 93013251

Motor Data

- Mains frequency: 60 Hz
- Enclosure class: XX





Materials:

Pump housing: Composite

Impeller: Composite

Material code: A

Product No.: 93013251

Grundfos SCALA2 is a fully integrated, self-priming, compact waterworks for pressure boosting in domestic applications.

SCALA2 incorporates integrated speed control, enabling perfect pressure at the taps, meaning that the pump performance automatically adjusts according to demand.

SCALA2 can be installed in three easy steps:

1. Connect the pipes.
2. Prime the pump.
3. Plug the pump into the power outlet, and the pump starts.

Grundfos SCALA2 has all the components necessary to ensure comfortable pressure:

- intelligent controller
- integrated speed-controlled drive
- integrated tank
- integrated sensors
- integrated inlet and outlet valves.

SCALA2 features self-priming which enables the pump to extract water from a level below the pump.

Once adequately primed, the pump is capable of effortlessly lifting water from depths down to 8 meters in less than 5 minutes.

The pump moreover guarantees a dependable water supply in situations where there is a risk of dry running and leakages in the inlet hose or pipes, thereby enhancing the overall reliability of the system.

In the event of dry running, water shortage, extreme temperature or if the pump becomes blocked due to seizure

or overload, the pump automatically shuts down, preventing damage or motor burnout.

The pump features an automatic reset function.

In case of dry running or similar alarm, the pump stops.

The pump attempts to restart every 5 minutes for a total of 8 times.

After the 8th attempt, a new restart attempt occurs every 24 hours.

The automatic reset function can be deactivated.

Thanks to its hydraulic design, permanent-magnet motor and water cooling, the pump is extremely low-noise, 44 dB(A) in typical use, which makes it suitable for indoor as well as outdoor use. Maximum noise level at full load is 53 dB(A).

The built-in pressure tank reduces the number of starts and stops in case of leakages in the pipe system, thereby prolonging the lifetime of the pump.

Controls:

Type of connector: Type B (NEMA 5-15)

Liquid:

- Pumped liquid: Water
- Liquid temperature range: 32 .. 113 °F
- Selected liquid temperature: 68 °F
- Density: 62.29 lb/ft³

Description

- Rated flow: 13.2 US GPM
- Maximum flow: 20.3 US GPM
- Rated head: 38.34 psi
- Primary shaft seal: Carbon/Ceramic
- Approvals: cULus
- Approvals for drinking water: cULus NSF372,cULus DW NSF61
- Curve tolerance: ISO9906:2012 3B
- Max. pump speed: 5200 rpm

Materials

- Pump housing: Composite NORYL FE1630PW PPE+PS-GS30
- Impeller: Composite NORYL FE1630PW PPE+PS-GS30

Installation

- Range of ambient temperature: 32 .. 113 °F
- Maximum operating pressure: 145.04 psi
- Maximum permissible inlet pressure: 87 psi

Pipe connection standard:	ANSI B1.20.1
Type of inlet connection:	NPT(M)
Type of outlet connection:	NPT(M)
Size of inlet connection:	1 inch
Size of outlet connection:	1 inch
Electrical data: Power input P1:	550 W
Rated power – P2:	0.603 HP
Mains frequency:	60 Hz
Rated voltage:	1 x 115 V
Minimum current consumption:	0.2 A
Maximum current consumption:	4.9 A
Enclosure class (IEC 34-5):	XX
Enclosure type:	3
Insulation class (IEC 85):	F
Length of power cable:	6.56 ft
Power plug:	US plug 115V
Others: Net weight:	21.4 lb
Gross weight:	26.5 lb
Shipping volume:	1.52 ft³
Storage temperature range:	-40 .. 158 °F
Country of origin:	RS
Custom tariff no.:	8413.70.2040

General information

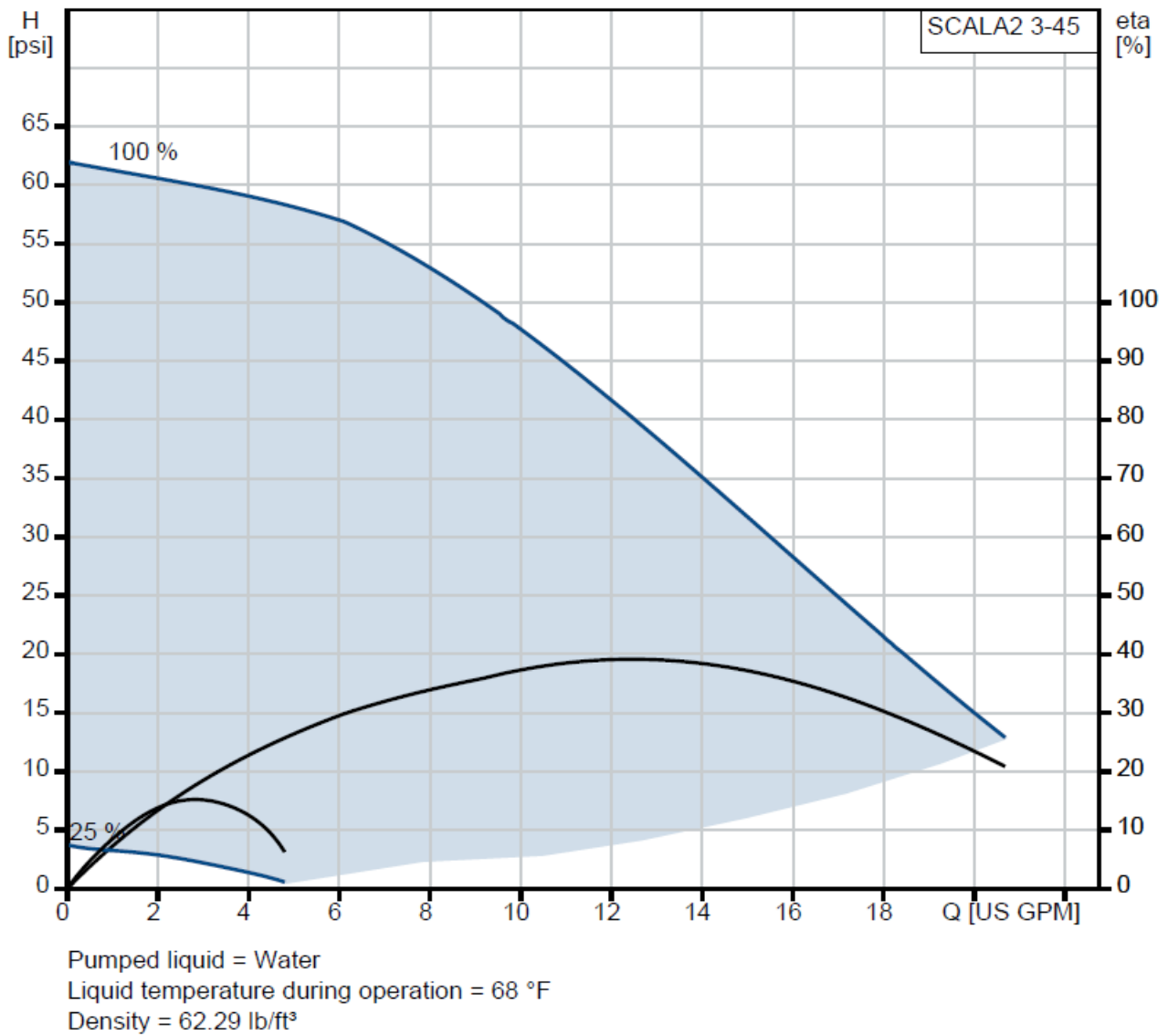
- Product name: SCALA2 3-45
- Product No: 93013251
- EAN number: 5715122954968

Technical

- Rated flow: 13.2 US GPM
- Maximum flow: 20.3 US GPM
- Rated head: 38.34 psi
- Maximum head: 63.89 psi
- Primary shaft seal: Carbon/Ceramic
- Approvals: cULus
- Approvals for drinking water: cULus NSF372,cULus DW NSF61
- Curve tolerance: ISO9906:2012 3B
- Model: 2
- Max. pump speed: 5200 rpm

Materials

- Pump housing: Composite
- Pump housing: NORYL FE1630PW PPE+PS-GS30
- Impeller: Composite
- Impeller: NORYL FE1630PW PPE+PS-GS30
- Material code: A

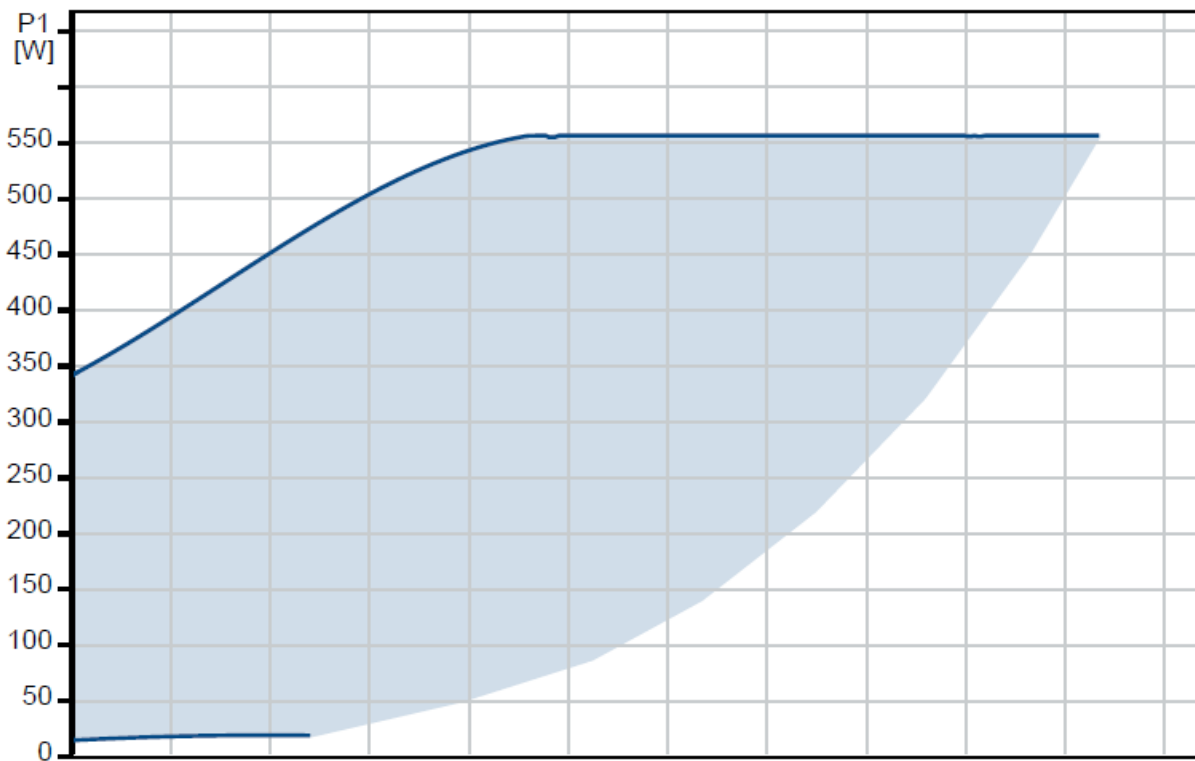


Installation

- Range of ambient temperature: 32 .. 113 °F
- Maximum operating pressure: 145.04 psi
- Maximum permissible inlet pressure: 87 psi
- Pipe connection standard: ANSI B1.20.1
- Type of inlet connection: NPT(M)
- Type of outlet connection: NPT(M)
- Size of inlet connection: 1 inch
- Size of outlet connection: 1 inch

Liquid

- Pumped liquid: Water
- Liquid temperature range: 32 .. 113 °F
- Selected liquid temperature: 68 °F
- Density: 62.29 lb/ft³



Electrical data

- Power input P1: 550 W
- Rated power – P2: 0.603 HP
- Mains frequency: 60 Hz
- Rated voltage: 1 x 115 V
- Minimum current consumption: 0.2 A
- Maximum current consumption: 4.9 A
- Enclosure class (IEC 34-5): XX
- Enclosure type: 3
- Insulation class (IEC 85): F
- Length of power cable: 6.56 ft
- Power plug: US plug 115V

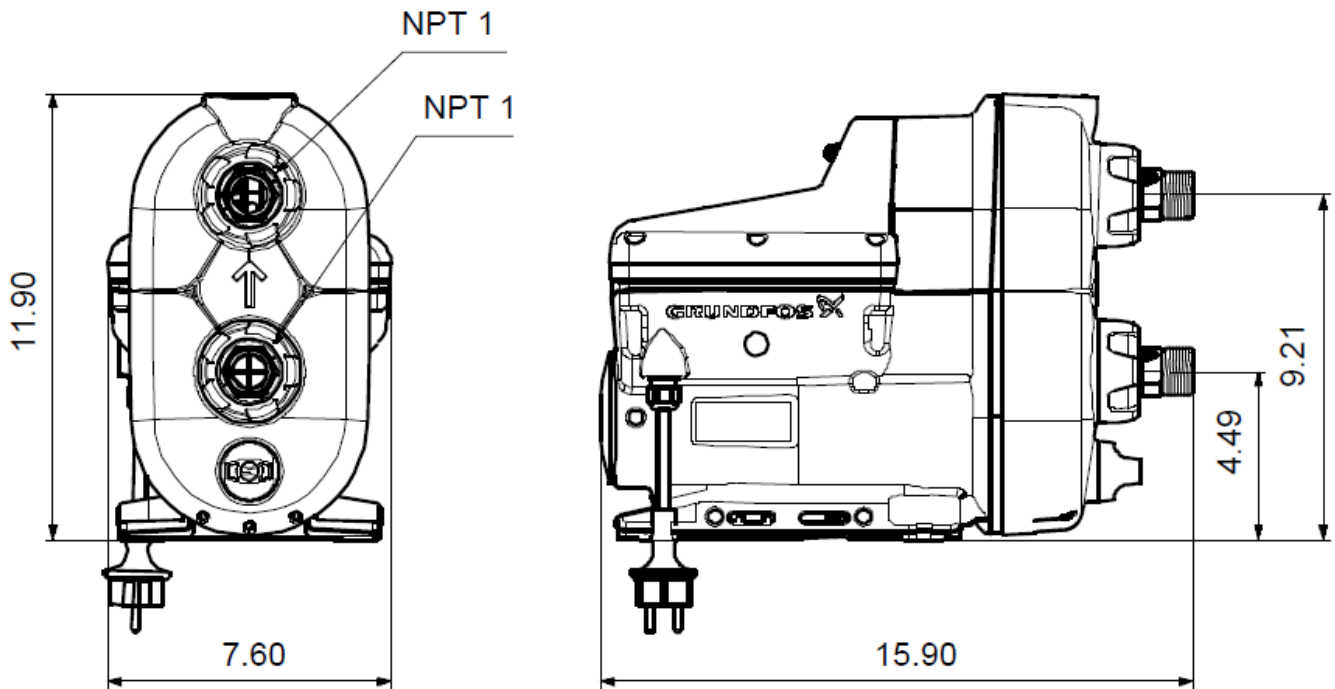
Controls

- Type of connector: Type B (NEMA 5-15)

Others

- Net weight: 21.4 lb
- Gross weight: 26.5 lb
- Shipping volume: 1.52 ft³
- Sales region: United States
- Storage temperature range: -40 .. 158 °F
- Country of origin: RS

- Custom tariff no.: 8413.70.2040



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- **Date:** 04/06/2024

Documents / Resources

	<p>GRUNDFOS SCALA2 Integrated Self Priming Compact Water Booster Pump [pdf] Owner's Manual</p> <p>3-45, SCALA2 Integrated Self Priming Compact Water Booster Pump, SCALA2, Integrated Self Priming Compact Water Booster Pump, Self Priming Compact Water Booster Pump, Compact Water Booster Pump, Water Booster Pump, Booster Pump, Pump</p>
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References

- [thresher.com](https://www.thresher.com)
- [User Manual](#)

[Manuals+](#). [Privacy Policy](#)

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