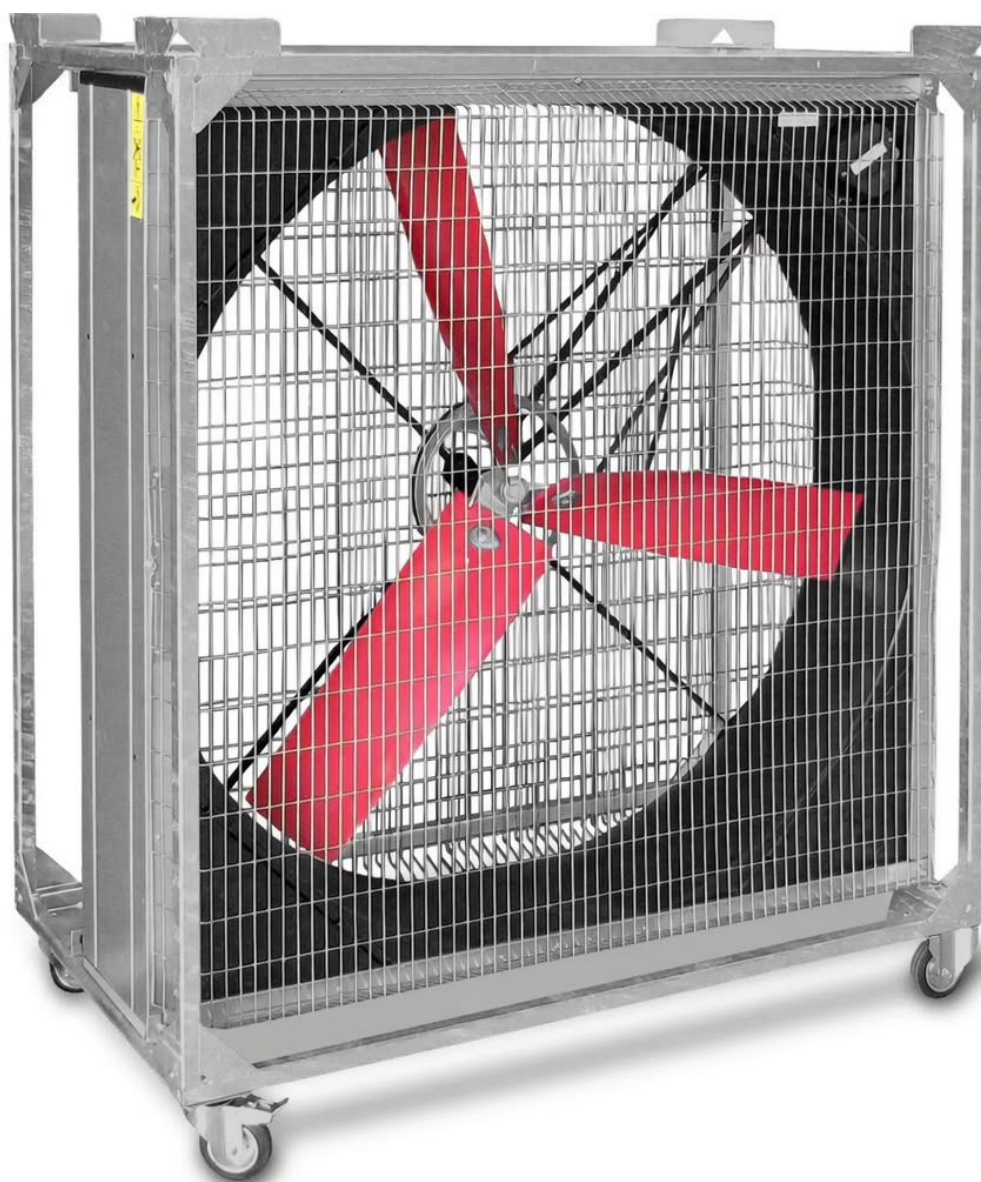




AXIAL FAN

Type STW



General information

Product: Axial fan Type: STW

The Slingerland STW is a robust, mobile axial fan for moving large volumes of air. It is well suited to ventilation and cooling of production, storage and industrial halls, to drying work in construction and after water damage, and to tunnel, event and agricultural-storage applications (for example potatoes, onions and grain).

The galvanised box frame withstands demanding rental-market conditions and the units can be stacked to increase capacity or to save space in storage. Select the fan on the basis of the required air volume and the permitted sound level; refer to the technical data in this manual. The fan is intended for moving air only.

Safety warnings

- Installation, dismantling and repairs may be carried out only by qualified personnel.
- Disconnect the fan from the mains before moving it or carrying out maintenance. Never touch the fan with wet hands.
- Disconnect the fan when it is not in use; always pull the plug, never the cable.
- Do not use the fan if the cable or plug is damaged. Use only a good-quality extension cable rated for the load.
- Keep the fan away from open flame. Never reach through the guard or touch moving parts.
- Do not operate the fan with unsuitable external speed controllers, to reduce the risk of fire or electric shock.

Damage to the equipment can be caused by: external forces, corrosion, flooding, erosion, material fatigue, excessive temperature, impact loads, transport, imbalance (vibration), motor overheating due to overload.

General use

The STW is suitable for ventilation and extraction (for example dust extraction during renovation work) and for cooling and drying. Place the unit on a stable, level and dry surface. A running fan must be supervised at all times.

Maintenance and cleaning

- Disconnect the unit from the mains before cleaning.
- Clean with a soft, slightly damp cloth or with compressed air; do not use aggressive cleaning agents.
- Refit the protective guard after any maintenance before restarting the fan.
- Have the unit inspected periodically; do not use a unit that shows signs of damage.

Storage

Store the unit clean and dry, indoors, to ensure a long service life. Never store the unit when it is dirty.

Setup

- A sufficiently strong, level surface or structure, matched to the expected load.
- A structurally sound and vibration-free installation of the unit.
- Shielding of risk areas where necessary, to prevent damage or injury.
- Sufficient space around the unit for inspection and fault-finding.

Specifications

Description	Value
Type	STW
Fan	Multifan V4D13A2M11039
Air flow	46.700 m ³ /h (0 Pa) / 35.000 m ³ /h (50 Pa)
Max. air pressure	85 Pa
Voltage	400 V / 3~ / 50 Hz
Speed	585 rpm

Description	Value
Power consumption	1,6 kW
Nominal current	5,1 / 3,0 A
Maximum current	5,4 / 3,1 A
Cos ϕ	0,73
Recommended fuse	16 A
Insulation class	F
IP class	IP55
Ambient temperature	-25...40 °C
Sound pressure level	76 dB(A) @ 2 m / 65 dB(A) @ 7 m
Impeller (blades/type/material)	3 / type 10 / PG
Dimensions W×H×D	1382 × 1382 × 467 mm
Weight	56,4 kg

Faults

Problem	Possible cause	Solution
Fan delivers insufficient capacity	Motor defective; intake/outlet obstructed or dirty; supply voltage too low; incorrect direction of rotation (phase order)	Check or replace the motor; clean the intake and outlet; check the supply voltage; check the phase sequence
Fan vibrates	Imbalance in impeller or motor; damaged impeller; unstable placement	Balance or replace the impeller; replace the motor; place the unit level and stable

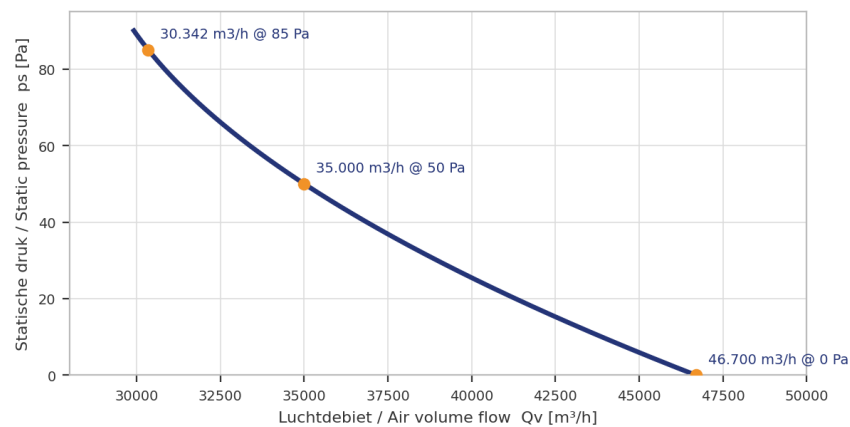
Warranty

- Slingerland provides a 1-year warranty from the date of purchase on all parts, except the power cable.
- Any electrical or mechanical modification, and any misuse (for example an incorrect supply voltage), voids the warranty.
- Proof of purchase is required for any warranty claim.

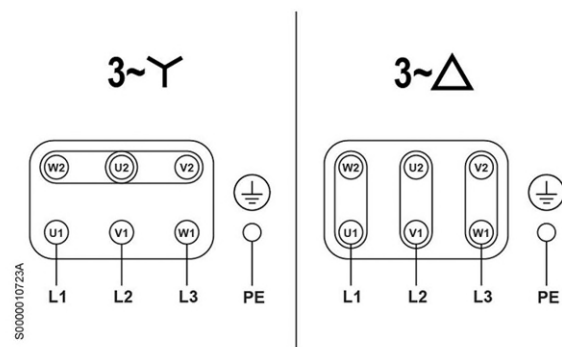
Disclaimer

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Air displacement diagram



Wiring diagram (Multifan)



Multifan V4D13A2M11039 — 3~ star/delta connection

EC Declaration of Conformity

Manufacturer: Slingerland Techniek B.V., Algolweg 2, 3821 BH Amersfoort, Nederland

declares that the product Axial fan, type STW complies with the provisions of the following directives:

• Machinery Directive 2006/42/EC • Low Voltage Directive 2014/35/EU • EMC Directive 2014/30/EU • Ecodesign 2009/125/EC (Regulation (EU) 327/2011)

Applied harmonised standards: EN ISO 12100, EN 60204-1, EN 60034-1, EN IEC 61000-6-2 / -6-4.

Amersfoort, date

Name, function

Contact

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