OPERATING MANUAL

Inline duct fan

LineFlow

SHF100/200M	SHF 125/290M	SHF150-160/530M
SHF200/840M	SHF 250/1410M	SHF315/2210M

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GENERAL SAFETY REQUIREMENTS

The device must be installed by a suitably qualified person.

- Make sure the installation complies with local mechanical and electrical standards.
- Once commissioned, the device must comply with the following directives.
- Low Voltage Directive 2014/35/EU.
- Electromagnetic Compatibility Directive 2014/30/EU.
- Fans, or devices containing fans, are designed to generate airflow in accordance with the parameters shown on the rating plate.
- Do not use the device in areas where there is a risk of explosion or corrosion.
- If the fan extracts air from a room containing a boiler or another combustion appliance, provide enough ventilation openings to ensure correct combustion.
- The device is not intended for use by children or persons with reduced capabilities unless supervised by an adult responsible for their safety.
- Children must not play with the device.

TRANSPORT

- The device packaging is designed for normal transport conditions.
- Transport the fan in its original packaging to prevent deformation or damage.
- Keep the product in its original packaging, in a dry place protected from contamination, until installation.
- Do not accept delivery if the device is not in its original packaging or shows clear signs of damage.
- Avoid shocks, drops and placing heavy objects on the packaging.

INSTALLATION

- Make sure there are no loose objects within reach of the fan that could be drawn into the device. Before duct installation, ensure the duct is free of foreign objects.
- Make sure all fasteners are installed correctly and the supporting structure can withstand the device at maximum output.
- Disconnect the device from the power supply before any work, even when it is not running.
- Check that the supply voltage and frequency match the values on the rating plate.
- The electrical installation must include an all-pole isolating switch with a contact separation of at least 3 mm, compliant with regulations applicable in the country of installation.
- Connect the device according to the supplied wiring diagram.
- Where earthing is required, verify that it has been correctly installed and that suitable thermal and electrical protection devices are connected and correctly rated.
- A duct connected to the fan must be used exclusively for the ventilation system.

Before starting the device:

- Check that the fan is securely mounted and that the electrical installation complies with applicable standards.
- Remove installation debris and foreign objects that could be drawn into the fan.
- Make sure the device is correctly earthed.
- Check that electrical protection devices are correctly connected and secured.
- Check the tightness of cable entries and electrical connections.

After starting the device:

- Check the direction of rotation of the impeller.
- Make sure there are no unusual vibrations.
- If any electrical protection device trips, disconnect the unit from the power supply immediately. Inspect the installation before restarting.

ASSEMBLY / DISASSEMBLY DIAGRAM

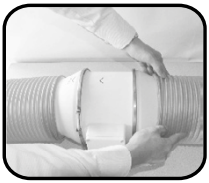
1. Release the clamps

2. Unscrew the clamps

3. Attach the motor module to the base of the device

4. Secure the motor module to the base of the device

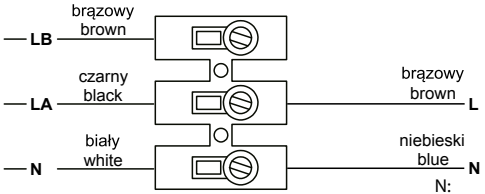
5. Make the electrical connections



6. Connect the ventilation ducts

ELECTRICAL CONNECTION DIAGRAM

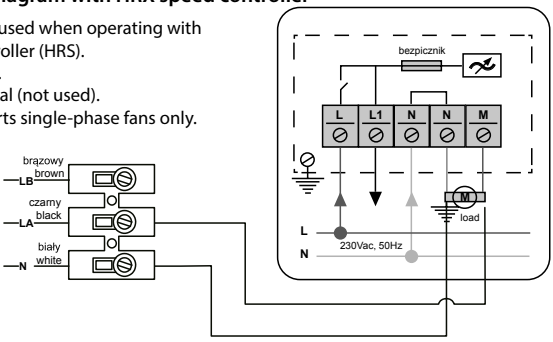
Connection diagram



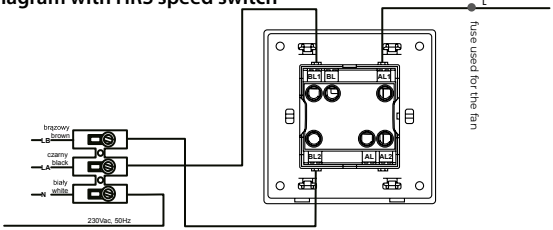
N:
LB: LOW SPEED
LA: HIGH SPEED

Connection diagram with HRX speed controller

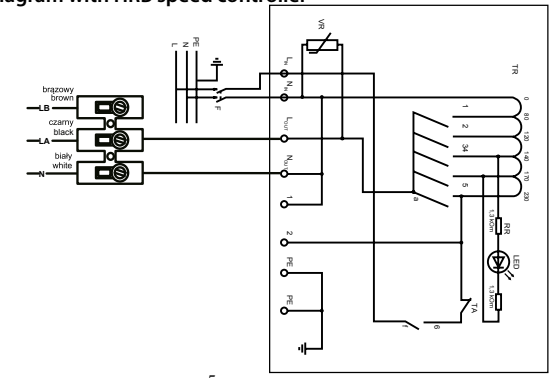
LB - low speed; used when operating with the on/off controller (HRS).
LA - high speed.
L1 - output signal (not used).
The HRX supports single-phase fans only.



Connection diagram with HRS speed switch

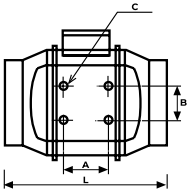


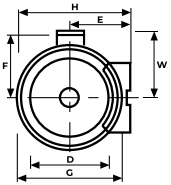
Connection diagram with HRB speed controller



SPECIFICATION

Technical drawing





MODEL	A	B	C	ØD	E	F	ØG	L	W	H
LineFlow SHF 100	80	60	4-Ø4.5	97	99	116	163	302	205	195
LineFlow SHF 125	80	60	4-Ø4.53	123	99	163	163	257	221	195
LineFlow SHF 150/160	80	60	4-Ø5.0	147	109	187	187	313	262	208
LineFlow SHF 200	100	94	4-Ø5.5	197	125	205	205	302	205	237
LineFlow SHF 250	150	150	4-Ø8.11	247	150	261	261	383	221	286
LineFlow SHF 315	181	178	4-Ø8.11	312	187	325	325	446	262	357

Technical data

TECHNICAL INFORMATION	SHF 100S		HF 125		SHF 150/160		SHF 200S		HF 250		SHF 315	
Speed (Mode)	H	L	H	L	H	L	H	L	H	L	H	L
Voltage / Frequency	230 V / 50 Hz											
Current (A)	0.12	0.11	0.14	0.13	0.24	0.21	0.57	0.52	1.20	0.75	1.90	1.40
Power (W)	26	23	33	28	54	48	1281	23	225	165	390	275
Speed (rpm)	2200	1850	2250	1850	2550	1850	2450	1950	2450	1950	2350	1650
Airflow (m^3/h)	198	165	284	248	530	410	840	690	1405	1064	22061	750
Sound Level (dB)	31	26	31	26	33	29	63	55	66	58	69	61
Net Weight (kg)	2.01		.8		2.74		.9		7.51		1.3	

(Note: H = High mode, L = Low mode**)**

CLEANING AND MAINTENANCE

- Before carrying out any servicing, make sure the device is disconnected from the power supply and cannot be switched on during maintenance.
- Inspect the device regularly. Maintenance frequency depends on operating conditions and should prevent deposits from building up on the impeller, turbine, motor and grilles. Failure to do so may damage the device and considerably shorten its service life.
- When cleaning, take care not to loosen the impeller or turbine.
- Observe the safety regulations applicable in the country where servicing is performed.

PRODMAX Sp. z o. o.
05-806 Sokołów
ul. Sokołowska 38
tel. (+48) 604 441 233
email: sprzedaż@prodmax.pl
www.prodmax.pl
www.rekuperacja.prodmax.pl

KARTA GWARANCYJNA

SilentFlow

MODEL: ……

NR SERYJNY: ……

Warunki gwarancji

1. Okres gwarancji na sprawne działanie urządzenia wynosi 24 miesiące od daty sprzedaży.
2. Gwarancja ważna jest wyłącznie za okazaniem dokumentu zakupu (paragon, faktura).
3. Gwarancja objęte są wszystkie wady i uszkodzenia powstałe z winy producenta.
4. Uszkodzenia powstałe w okresie gwarancyjnym spowodowane ukrytymi wadami urządzenia będą usuwane przez producenta w terminie 14 dni od daty dostarczenia urządzenia wraz z kartą gwarancyjną i dokumentem zakupu.
5. Uszkodzony sprzęt należy dostarczyć do producenta lub do miejsca zakupu.
6. Gwarancja nie obejmuje uszkodzeń, powstałych z winy użytkownika w wyniku nieprawidłowej instalacji, instalacji przez osoby nieuprawnione, niewłaściwego transportu, przechowywania i konserwowania, uszkodzeń mechanicznych oraz uszkodzeń powstałych na skutek samowolnych napraw.
7. Prawo do wymiany na urządzenie wolne od wad nie przysługuje w przypadku dokonania napraw gwarancyjnych o charakterze nieistotnym. Do wad istotnych zalicza się przepalenie silnika oraz uszkodzenie modułu elektronicznego.
8. W przypadku wymienienia części urządzenia, gwarancja pozostaje odnowiona tylko w stosunku do części wymienionej.
9. Instalacja i konserwacja oraz konfiguracja urządzenia nie są objęte gwarancją.
10. W sprawach nieuregulowanych niniejszej karty gwarancyjnej zastosowanie maja przepisy polskiego Kodeksu Cywilnego (art. 577-582).

…….. ……..

miejsce i data sprzedaży podpis i pieczęć sprzedawcy

PRODMAX Sp. z o. o.
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ul. Sokołowska 38
tel. (+48) 604 441 233
email: sprzedaż@prodmax.pl
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WARRANTY CARD

SilentFlow

MODEL:.....

SERIAL NUMER:.....

Guaranteed conditions

1. The guaranteed period for proper operation is 24 months from the date of sale.
2. The warranty is valid only upon presentation of proof (receipt, invoice).
3. Warranty is available if all protections are present which are the manufacturer's fault.
4. hidden defects appeared during the warranty period, which will be removed by the manufacturer within 14 days from the date of delivery of the device together with the warranty card and purchase document.
5. The included equipment belongs to the seller or place of purchase.
6. Warranty not provided due to the user's fault resulting in installation, installation by an unauthorized person, transfer of transport, storage and maintenance, access and access to the device resulting from unauthorized repairs.
7. The right to replacement on a defect-free device does not provide access to non-essential warranty repairs. Other elements include engine burnout and electronic module.
8. In case of replacement of the device part, the warranty remains only compared to the main part.
9. Installation and maintenance and equipment not supplied.
10. In unregulated cases referred to in the warranty card, the provisions of the Polish Civil Code (Articles 577–582) shall apply.

....

place and date od sale seller's signature and stamp