
Fan Heaters

Type VLEx

Fan Heater type VLEx has been designed for Explosion Proof industrial applications. Our Fan Heaters are characterized mainly by their quality, both in used materials and design.



SINUS
JEVI 



Liquids



Gasses



Solids



Spaces



Resistors

VLEx Fan Heaters

VLEx fan heaters are for fix mounting (non-portable) and are ideal for use in classified zone 1 & 2, where high performance of heating is required. It has a very robust construction. The fan heater is made of materials able to withstand aggressive effects at sea, on offshore installations, in warehouses and for large manufacturing facilities. The fan provides an airflow/circulation and air heating for outdoor or indoor installation.

MATERIALS

- Cabinet and heater junction box: stainless steel AISI 316L
- d-enclosure: casted aluminium
- Heating elements: stainless steel AISI 316L, bright annealed

STANDARDS AND APPROVALS

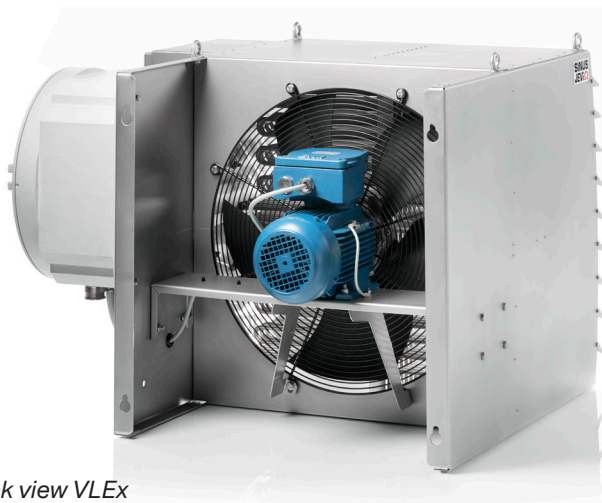
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|----------------------|-------------------------|
| • CE | • IEC/EN 61000-6-2:2006 |
| • EN 60335-1:2012 | • IEC/EN 61000-6-4:2007 |
| • EN 60335-2-30:2009 | • IEC/EN 60079-1 |
| • EN 60204-1:2006 | • IEC/EN 60079-7 |
| • EN 62233:2008 | • IEC/EN 60079-11 |
| • EN 50581:2012 | • IEC/EN 60079-14 |

VLEx fan heaters approved by DNV and/or ABS on request.

MARKING

ATEX & IEC

- II 2G Ex db eb IIC T3 Gb
- II 2G Ex db eb IIC T4 Gb
- II 2G Ex db eb [ia] IIC T3 Gb
- II 2G Ex db eb [ia] IIC T4 Gb



Back view VLEx

TECHNICAL DATA

Voltage range:

- 3x380V, 3x400V, 3x440V, 3x480V and 3x690V

Degree of protection for fan motor:

- IP55

Degree of protection for heater junction box (e-enclosure) and d-enclosure:

- IP66

Integrated safety components

- TSHH, with manual outside reset to prevent overheating
- Overcurrent protection to prevent the motor to overheat

Cable glands

- Supplied with M32 cable glands for Ø17 - Ø26,3 cable
- Type: CMP
- Material: nickle plated brass

Lifting lugs

Supplied with lifting lugs to ensure safe working conditions during installation and maintenance.

Control:

- On/Off control with circuit breaker

Ambient temperature:

- -25°C to +50°C

Storage temperature:

- -25°C to +50°C

ACCESSORIES FOR VLEx FAN HEATERS

In addition to our standard range shown on next page, optional extras are available:

- Integrated room thermostat: 0-40°C thermostat, ensuring optimum operation and minimising energy consumption. Choose between location inside:
 - the Ex e control panel or
 - the Ex d control panel
- Room thermostat for wall mounting 0-40°C
- TSH, temperature range 0-200°C
- Flow switch
- Main switch
- RTD (PT100 sensor and 4-20mA transmitter instead of integrated room thermostat, for external control
- Cable gland reducer nickle plated brass to M25 for Ø11,1 - Ø20 cable
- Cable gland reducer nickle plated brass to M20 for Ø6,5 - Ø14 cable
- Gland nickle plated brass M32
- Gland nickle plated brass M32 + M25 + M20

See our standard range on the following pages.

RANGE VLEx - S (Small) T3

- Material:
 - Cabinet and heater junction box: Stainless steel AISI 316L
 - d-enclosure: casted aluminium
 - Heating elements: stainless steel AISI 316L, bright annealed
- Size: W780 x H500 x D755 mm
- Frequency: 50/60 Hz
- Maximum volume of air at nominal fan speed for:
 - 3.2 and 3.5kW: 1550/1890 m³/h
 - 6.4, 7, 9.6 and 10.6 kW: 2500/3500 m³/h - 50/60Hz
- Degree of protection for control panels: IP66
- Degree of protection for fan motor: IP55
- Ambient temperature: -25°C to +50°C
- Storage temperature: -25°C to +50°C



- T3 -					
Type Power	Item no. Frequency 50Hz	Item no. Frequency 60Hz	Voltage	Current (min. supply)	dB (A) (50/60Hz)
VLEx - S 3.2 kW	466 003 385A	466 003 386A	3x380V	6 A	51/55
VLEx - S 3.5 kW	466 003 405A	466 003 406A	3x400V	6 A	
	466 003 445A	466 003 446A	3x440V	6 A	
	466 003 485A	466 003 486A	3x480V	5 A	
	466 003 695A	466 003 696A	3x690V	4 A	
VLEx - S 6.4 kW	466 006 385A	466 006 386A	3x380V	11 A	56/61
VLEx - S 7 kW	466 007 405A	466 007 406A	3x400V	11 A	
	466 007 445A	466 007 446A	3x440V	10 A	
	466 007 485A	466 007 486A	3x480V	9 A	
	466 007 695A	466 007 696A	3x690V	7 A	
VLEx - S 9.6 kW	466 009 385A	466 009 386A	3x380V	15A	
VLEx - S 10.6 kW	466 010 405A	466 010 406A	3x400V	16 A	
	466 010 445A	466 010 446A	3x440V	15 A	
	466 010 485A	466 010 486A	3x480V	14 A	
	466 010 695A	466 010 696A	3x690V	10 A	



RANGE VLEx - M (Medium) T3

- Material:
 - Cabinet and heater junction box: Stainless steel AISI 316L
 - d-enclosure: casted aluminium
 - Heating elements: stainless steel AISI 316L, bright annealed
- Size: W936 x H665 x D755 mm
- Frequency: 50/60 Hz
- Maximum volume of air at nominal fan speed for: 3800/4600 m³/h
- Degree of protection for control panels: IP66
- Degree of protection for fan motor: IP55
- Ambient temperature: -25°C to +50°C
- Storage temperature: -25°C to +50°C



- T3 -

Type Power	Item no. Frequency 50Hz	Item no. Frequency 60Hz	Voltage	Current (min. supply)	dB (A) (50/60Hz)
VLEx - M 10.6 kW	466 010 385A	466 010 386A	3x380V	18A	
VLEx - M 11.7 kW	466 011 405A	466 011 406A	3x400V	18 A	
	466 011 445A	466 011 446A	3x440V	16 A	
	466 011 485A	466 011 486A	3x480V	15 A	
	466 011 695A	466 011 696A	3x690V	11 A	
VLEx - M 14.1 kW	466 014 385A	466 014 386A	3x380V	24 A	
VLEx - M 15.6 kW	466 015 405A	466 015 406A	3x400V	24 A	
	466 015 445A	466 015 446A	3x440V	21 A	
	466 015 485A	466 015 486A	3x480V	20 A	
	466 015 695A	466 015 696A	3x690V	14 A	
VLEx - M 17.6 kW	466 017 385A	466 017 386A	3x380V	29 A	
VLEx - M 19.5 kW	466 019 405A	466 019 406A	3x400V	29 A	
	466 019 445A	466 019 446A	3x440V	27 A	
	466 019 485A	466 019 486A	3x480V	24 A	
	466 019 695A	466 019 696A	3x690V	17 A	



RANGE VLEx - L (Large) T3

- Material:
 - Cabinet and heater junction box: Stainless steel AISI 316L
 - d-enclosure: casted aluminium
 - Heating elements: stainless steel AISI 316L, bright annealed
- Size: W936 x H665 x D950 mm
- Frequency: 50/60 Hz
- Maximum volume of air at nominal fan speed for: 4800/6800 m³/h
- Degree of protection for control panels: IP66
- Degree of protection for fan motor: IP55
- Ambient temperature: -25°C to +50°C
- Storage temperature: -25°C to +50°C



- T3 -

Type Power	Item no. Frequency 50Hz	Item no. Frequency 60Hz	Voltage	Current (min. supply)	dB (A) (50/60Hz)
VLEx - L 21.1 kW	466 021 385A	466 021 386A	3x380V	35 A	
VLEx - L 23.4 kW	466 023 405A	466 023 406A	3x400V	35 A	
	466 023 445A	466 023 446A	3x440V	32 A	
	466 023 485A	466 023 486A	3x480V	30 A	
	466 023 695A	466 023 696A	3x690V	21 A	
VLEx - L 24.6 kW	466 024 385A	466 024 386A	3x380V	41 A	
VLEx - L 27.3 kW	466 027 405A	466 027 406A	3x400V	41 A	
	466 027 445A	466 027 446A	3x440V	37 A	
	466 027 485A	466 027 486A	3x480V	34 A	
	466 027 695A	466 027 696A	3x690V	24 A	
VLEx - L 28.2 kW	466 028 385A	466 028 386A	3x380V	47 A	
VLEx - L 31.2 kW	466 031 405A	466 031 406A	3x400V	47 A	
	466 031 445A	466 031 446A	3x440V	42 A	
	466 031 485A	466 031 486A	3x480V	39 A	
	466 031 695A	466 031 696A	3x690V	27 A	
VLEx - L 31.7 kW	466 031 385A	466 031 386A	3x380V	52 A	
VLEx - L 35.1 kW	466 035 405A	466 035 406A	3x400V	52 A	
	466 035 445A	466 035 446A	3x440V	48 A	
	466 035 485A	466 035 486A	3x480V	44 A	
	466 035 695A	466 035 696A	3x690V	30 A	



RANGE VLEx - S (Small) T4

- Material:
 - Cabinet and heater junction box: Stainless steel AISI 316L
 - d-enclosure: casted aluminium
 - Heating elements: stainless steel AISI 316L, bright annealed
- Size: W780 x H500 x D755 mm
- Frequency: 50/60 Hz
- Maximum volume of air at nominal fan speed for:
 - 2.7kW and 3.0 kW: 1150/1890 m³/h
 - 6.0 and 6.7 kW: 2500/3500 m³/h - 50/60Hz
- Degree of protection for control panels: IP66
- Degree of protection for fan motor: IP55
- Ambient temperature: -25°C to +50°C
- Storage temperature: -25°C to +50°C



- T4 -					
Type Power	Item no. Frequency 50Hz	Item no. Frequency 60Hz	Voltage	Current (min. supply)	dB (A) (50/60Hz)
VLEx - S 2.7 kW	467 002 385A	467 002 386A	3x380V	5 A	51/55
	467 003 405A	467 003 406A	3x400V	6 A	
VLEx - S 3.0 kW	467 003 445A	467 003 446A	3x440V	5 A	
	467 003 485A	467 003 486A	3x480V	5 A	
	467 003 695A	467 003 696A	3x690V	4 A	
VLEx - S 6.0 kW	467 006 385A	467 006 386A	3x380V	12 A	55/61
VLEx - S 6.7 kW	467 006 405A	467 006 406A	3x400V	12 A	
	467 006 445A	467 006 446A	3x440V	11 A	
	467 006 485A	467 006 486A	3x480V	10 A	
	467 006 695A	467 006 696A	3x690V	7 A	



RANGE VLEx - M (Medium) T4

- Material:
 - Cabinet and heater junction box: Stainless steel AISI 316L
 - d-enclosure: casted aluminium
 - Heating elements: stainless steel AISI 316L, bright annealed
- Size: W936 x H665 x D755 mm
- Frequency: 50/60 Hz
- Maximum volume of air at nominal fan speed for: 3800/4600 m³/h
- Degree of protection for control panels: IP66
- Degree of protection for fan motor: IP55
- Ambient temperature: -25°C to +50°C
- Storage temperature: -25°C to +50°C



- T4 -					
Type Power	Item no. Frequency 50Hz	Item no. Frequency 60Hz	Voltage	Current (min. supply)	dB (A) (50/60Hz)
VLEx - M 8.9 kW	467 008 385A	467 008 386A	3x380V	17 A	60/64
VLEx - M 9.9 kW	467 009 405A	467 009 406A	3x400V	18 A	
	467 009 445A	467 009 446A	3x440V	16 A	
	467 009 485A	467 009 486A	3x480V	15 A	
	467 009 695A	467 009 696A	3x690V	11 A	



RANGE VLEx - L (Large) T4

- Material:
 - Cabinet and heater junction box: Stainless steel AISI 316L
 - d-enclosure: casted aluminium
 - Heating elements: stainless steel AISI 316L, bright annealed
- Size: W936 x H665 x D950 mm
- Frequency: 50/60 Hz
- Maximum volume of air at nominal fan speed for: 4800/6800 m³/h
- Degree of protection for control panels: IP66
- Degree of protection for fan motor: IP55
- Ambient temperature: -25°C to +50°C
- Storage temperature: -25°C to +50°C



- T4 -

Type Power	Item no. Frequency 50Hz	Item no. Frequency 60Hz	Voltage	Current (min. supply)	dB (A) (50/60Hz)
VLEx - L 11.9 kW	467 011 385A	467 011 386A	3x380V	22 A	65/68
VLEx - L 13.2 kW	467 013 405A	467 013 406A	3x400V	24 A	
	467 013 445A	467 013 446A	3x440V	21 A	
	467 013 485A	467 013 486A	3x480V	20 A	
	467 013 695A	467 013 696A	3x690V	14 A	
VLEx - L 16.0 kW	467 016 385A	467 016 386A	3x380V	30 A	
VLEx - L 17.7 kW	467 017 405A	467 017 406A	3x400V	31 A	
	467 017 445A	467 017 446A	3x440V	29 A	
	467 017 485A	467 017 486A	3x480V	26 A	
	467 017 695A	467 017 696A	3x690V	18 A	



SINUS JEVI

Sinus was one of the pioneers in the field of explosion proof heating equipment, today we are still operating at the forefront. We design and manufacture according to ATEX as well as IECEx and EAC directives.

Our company is certified to design and produce Ex-equipment. and we also in the possession of ISO 9001 and ISO 14001 certificates.

NIBE