

VLE FAN HEATER

VLE fan heaters are for fix mounting (non-portable) and are ideal for use in areas where high performance of heating is needed. It has a very stable construction and can therefore be used where high vibrations can occur. 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 product is produced in two different types of materials, recommended for the following uses:

- Stainless steel AISI 316L - for outdoor and corrosive areas like offshore and other harsh environments
- Cabinet in galvanized steel and with coated steel control panel mainly for indoor use and non-corrosive areas like onshore use, sports halls, warehouses and manufacturing facilities

Regardless of which material is selected, the heating elements (stainless steel AISI 316L) are bright annealed.

The power is divided into 3 steps (low - medium - full power). This gives you a fan heater with a large window of power in only one unit. The fan provides an airflow/circulation and air heating for outdoor or indoor installation. Power can easily be changed manually on the outside of the control panel to give you the preferred output. For change of airflow you need an external fan unit adjustment control - see under "accessories for VLE fan heaters"

The fan heater works without standby and does not use unnecessary power.

TECHNICAL DATA

Voltage range:

- 1x230V and 3x230V to 3x690V

Degree of protection for fan motor:

- IP44 (VLE 4)
- IP54 (VLE 5 og VLE6)

Degree of protection for control panel:

- IP66 for all three models

Integrated room thermostat:

- 0-40°C thermostat, ensuring optimum operation and minimizing energy consumption

Integrated safety components:

- TSH with automatic reset and TSHH with manual reset to prevent overheating
- overload fuse to prevent the motor to overheat

Ambient temperature:

- -20°C to +40°C

Cable glands:

- VLE fan heaters above 16 amp are pre-fitted with M32 cable glands (Ø14-25). Reducing parts for M20 (Ø5-12) and M25 (Ø11-17) cable glands are also included
- Fan heaters under 16 amp are pre-fitted with M20 (Ø5-12)
- Standard material for cable glands - polyamide. Other material on request

Lifting lugs:

- Regardless of model, the heater weighs more than 25 kg and is therefore supplied with lifting lugs to ensure better working conditions during installation and maintenance



STANDARDS AND APPROVALS

- CE
- EN 60335-1:2012
- EN 60335-2-30:2009
- EN 60204-1:2006
- EN 62233:2008
- IEC/EN 61000-6-2:2006
- IEC/EN 61000-6-4:2007
- EN 50581:2012

Our VLE fan heaters can be approved by DNV, ABS and other 3. parties.

ACCESSORIES FOR VLE FAN HEATERS

In addition to our standard range shown on the following pages, optional extras are available:

- External room thermostat 0-40°C, IP44 (item no. 19400505)
- External room thermostat 0-40°C IP65 (item no. 19400502)
- External fan unit start/stop circuit breaker, IP66 (item no. 19400501). Allows the heater to be used to circulate cold air
- External fan unit adjustment control (Item no. 19400503)
Noise level can be reduced to dB 50 at low fan speed

ECODESIGN DIRECTIVE (EU) 2015/1188

The directive applies when the installation is intended to create comfort heating for people on site.

The directive does not apply to heating of industrial processes, product development rooms, frost protection, offshore and external use.

It is up to the installer, who is responsible for the installation to assess whether the Ecodesign directive is valid or not.

For control and regulation that satisfy the requirements of the Ecodesign Directive (EU) 2015/1188, we recommend using the following thermostat item no. 19113564. For more information see product sheet "Control and regulation - Ecodesign directive (EU) 2015/1188" at www.jevi.com



STANDARD PROGRAMME - TYPE VLE4

- Power: 1-2-3 kW, 3-6-9 kW or 3-9-12 kW (3 steps)
- Material: Stainless steel AISI 316L or cabinet in galvanized steel with coated control panel
- Size: W630 x H460 x D590 mm
- Frequency: 50/60 Hz
- Maximum volume of air at nominal fan speed: 1700/2000 m³/h - 50/60 Hz
(air volume at low fan speed: 900/1050 m³/h - 50/60 Hz possible with the purchase of a regulator, see page 2)
- Maximum throw at nominal fan speed: 10/11 m - 50/60 Hz
- Degree of protection for control panel: IP66
- Degree of protection for fan motor: IP44
- Sound level at nominal fan speed: dB 58 (measured at a distance of 5 metres from the unit)
Can be reduced to dB 50 when using a regulator for the fan unit (see page 2)



Material	Type Power (3 steps)	Item no.	Voltage	Current (min. supply)	ΔT at nominal fan speed (50/60 Hz)	Weight
Stainless steel AISI 316L	1-2-3 kW	21410170	1x230V	13 A	5/4°C	40 kg
	VLE 4 3-6-9 kW	21410106	3x230V	24 A	5/4°C - 3 kW 10/8°C - 6 kW 16/13°C - 9 kW	45 kg
		21410107	3x380V	15 A		42 kg
		21410108	3x400V	14 A		42 kg
		21410109	3x440V	13 A		42 kg
		21410110	3x480V	12 A		42 kg
		21410111	3x690V	9 A		42 kg
Stainless steel AISI 316L	VLE 4 3-9-12 kW	21410118	3x230V	32 A	5/4°C - 3 kW 16/13°C - 9 kW 21/18°C - 12 kW	46 kg
		21410119	3x380V	20 A		46 kg
		21410120	3x400V	19 A		46 kg
		21410121	3x440V	17 A		46 kg
		21410122	3x480V	16 A		43 kg
		21410123	3x690V	12 A		43 kg
Cabinet galvanized steel and coated steel control panel	VLE 4 3-6-9 kW	21410100	3x230V	24 A	5/4°C - 3 kW 10/8°C - 6 kW 16/13°C - 9 kW	45 kg
		21410101	3x380V	15 A		42 kg
		21410102	3x400V	14 A		42 kg
		21410103	3x440V	13 A		42 kg
		21410104	3x480V	12 A		42 kg
		21410105	3x690V	9 A		42 kg
Cabinet galvanized steel and coated steel control panel	VLE 4 3-9-12 kW	21410112	3x230V	32 A	5/4°C - 3 kW 16/13°C - 9 kW 21/18°C - 12 kW	46 kg
		21410113	3x380V	20 A		46 kg
		21410114	3x400V	19 A		46 kg
		21410115	3x440V	17 A		46 kg
		21410116	3x480V	16 A		43 kg
		21410117	3x690V	12 A		43 kg

STANDARD PROGRAMME - TYPE VLE5

- Power: 6-9-15 kW or 9-15-24 kW (3 steps)
- Material: Stainless steel AISI 316L or cabinet in galvanized steel with coated control panel
- Size: W740 x H570 x D690 mm
- Frequency: 50/60 Hz
- Maximum volume of air at nominal fan speed: 3500/4200 m³/h - 50/60 Hz
(air volume at low fan speed: 2600/3100 m³/h - 50/60 Hz possible with the purchase of a regulator, see page 2)
- Maximum throw at nominal fan speed: 12/14 m - 50/60 Hz
- Degree of protection for control panel: IP66
- Degree of protection for fan motor: IP54
- Sound level at nominal fan speed: dB 65 (measured at a distance of 5 metres from the unit)
Can be reduced to dB 56 when using a regulator for the fan unit (see page 2)



Material	Type Effekt (3 steps)	Item no.	Voltage	Current (min. supply)	ΔT at nominal fan speed (50/60 Hz)	Weight
Stainless steel AISI 316L	VLE 5 6-9-15 kW	21410130	3x230V	39 A	6/5°C - 6 kW 9/8°C - 9 kW 16/13°C - 15 kW	62 kg
		21410131	3x380V	24 A		58 kg
		21410132	3x400V	23 A		58 kg
		21410133	3x440V	21 A		58 kg
		21410134	3x480V	20 A		58 kg
		21410135	3x690V	14 A		58 kg
Stainless steel AISI 316L	VLE 5 9-15-24 kW	21410142	3x230V	62 A	9/7°C - 9 kW 16/13°C - 15 kW 26/21°C - 24 kW	65 kg
		21410143	3x380V	38 A		65 kg
		21410144	3x400V	36 A		65 kg
		21410145	3x440V	33 A		65 kg
		21410146	3x480V	30 A		61 kg
		21410147	3x690V	22 A		61 kg
Cabinet galvanized steel and coated steel control panel	VLE 5 6-9-15 kW	21410124	3x230V	39 A	6/5°C - 6 kW 9/8°C - 9 kW 16/13°C - 15 kW	62 kg
		21410125	3x380V	24 A		58 kg
		21410126	3x400V	23 A		58 kg
		21410127	3x440V	21 A		58 kg
		21410128	3x480V	20 A		58 kg
		21410129	3x690V	14 A		58 kg
Cabinet galvanized steel and coated steel control panel	VLE 5 9-15-24 kW	21410136	3x230V	62 A	9/7°C - 9 kW 16/13°C - 15 kW 26/21°C - 24 kW	65 kg
		21410137	3x380V	38 A		65 kg
		21410138	3x400V	36 A		65 kg
		21410139	3x440V	33 A		65 kg
		21410140	3x480V	30 A		61 kg
		21410141	3x690V	22 A		61 kg

STANDARD PROGRAMME - TYPE VLE6

- Power: 12-18-30 kW or 12-24-36 kW (3 steps)
- Material: Stainless steel AISI 316L or cabinet in galvanized steel with coated control panel
- Size: W855 x H685 x D760 mm
- Frekuensi: 50/60 Hz
- Maximum volume of air at nominal fan speed: 5300/6300 m³/h - 50/60 Hz
(air volume at low fan speed: 3700/4400 m³/h - 50/60 Hz possible with the purchase of regulator, see page 2)
- Maximum throw at nominal fan speed: 15/18 m - 50/60 Hz
- Degree of protection for control panel: IP66
- Degree of protection for fan motor: IP54
- Sound level at nominal fan speed: dB 68 (measured at a distance of 5 metres from the unit)
Can be reduced to dB 58 when using a regulator for the fan unit (see page 2)



Material	Type Power (3 steps)	Item no.	Voltage	Current (min. supply)	ΔT at nominal fan speed (50/60 Hz)	Weight
Stainless steel AISI 316L	VLE 6 12-18-30 kW	21410153	3x380V	47 A	7/6°C - 12 kW 12/9°C - 18 kW 19/15°C - 30 kW	80 kg
		21410154	3x400V	45 A		
		21410155	3x440V	41 A		
		21410156	3x480V	38 A		
		21410157	3x690V	27 A		
Stainless steel AISI 316L	VLE 6 12-24-36 kW	21410163	3x380V	56 A	7/6°C - 12 kW 16/12°C - 24 kW 23/18°C - 36 kW	82 kg
		21410164	3x400V	53 A		
		21410165	3x440V	49 A		
		21410166	3x480V	45 A		
		21410167	3x690V	32 A		
Cabinet galvanized steel and coated steel control panel	VLE 6 12-18-30 kW	21410148	3x380V	47 A	7/6°C - 12 kW 12/9°C - 18 kW 19/15°C - 30 kW	80 kg
		21410149	3x400V	45 A		
		21410150	3x440V	41 A		
		21410151	3x480V	38 A		
		21410152	3x690V	27 A		
Cabinet galvanized steel and coated steel control panel	VLE 6 12-24-36 kW	21410158	3x380V	56 A	7/6°C - 12 kW 16/12°C - 24 kW 23/18°C - 36 kW	82 kg
		21410159	3x400V	53 A		
		21410160	3x440V	49 A		
		21410161	3x480V	45 A		
		21410162	3x690V	32 A		