

VLE_x FAN HEATERS

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VLE_x fan heaters are for fixed mounting (non-portable) and are ideal for use in hazardous area zone 1 & 2, where high performance of heating is needed.

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.

VLE_x is Danish design and fabrication.

We deliver our VLE_x in 3 different sizes (S, M and L).

All 3 sizes are available in 50 and 60 Hz.

MATERIALS

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

TECHNICAL DATA

Voltage range:

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

Degree of protection for fan motor:

- IP55

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

- IP66

Integrated safety components:

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

Cable glands:

- Type: CMP
- Material: nickle plated brass
- See options on page 3

Lifting lugs:

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

Ambient temperature:

- -25°C to +50°C

STANDARDS AND APPROVALS

- CE
- EN 60335-1:2012
- EN 60335-2-30:2009
- EN 60204-1:2006
- EN 62233:2008
- EN 50581:2012
- IEC/EN 61000-6-2:2005
- IEC/EN 61000-6-4:2007
- IEC/EN 60079-0
- IEC/EN 60079-1
- IEC/EN 60079-7
- IEC/EN 60079-11
- IEC/EN 60079-14

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

MARKING

ATEX & IECEx

- Ex II 2G db eb IIC T₃ Gb or
- Ex II 2G db eb (ia) IIC T₃ Gb



OPTIONS FOR VLE_x FAN HEATERS

In addition to our standard range shown on the following pages, optional extras are available. See the options on page 3.



MAY 2018



STANDARD PROGRAMME

Type: VLEx - S (small)

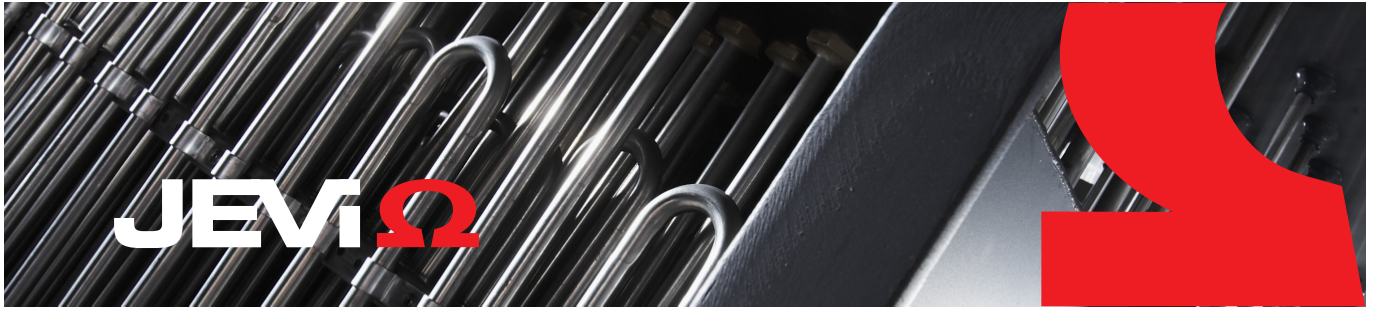
- Power: 3,5 - 7 - 10,6 kW
- Size: W776 x H500 x D755 mm
- Maximum volume of air at nominal fan speed for:
 3,5kW: 1550/1890 m³
 7 and 10,6 kW: 2500/3500 m³/h - 50/60 Hz

Power	Item no. Frequency 50Hz	Item no. Frequency 60Hz	Voltage	Current (min. supply)	dB(A) (50/60 Hz)
3,2 / 3,5 kW	21960201	21960202	3x380V / 3x400V	6 A	51/55
3,5 kW	21960203	21960204	3x440V	6 A	
	21960205	21960206	3x480V	5 A	
	21960207	21960208	3x690V	4 A	
6,4 / 7 kW	21960209	21960210	3x380V / 3x400V	11 A	56/61
7 kW	21960211	21960212	3x440V	10 A	
	21960213	21960214	3x480V	9 A	
	21960215	21960216	3x690V	7 A	
9,6 / 10,6 kW	21960217	21960218	3x380V / 3x400V	16 A	
1,6 kW	21960219	21960220	3x440V	15 A	
	21960221	21960222	3x480V	14 A	
	21960223	21960224	3x690V	10 A	

Type: VLEx - M (medium)

- Power: 11,7 - 15,6 - 19,5 kW
- Size: W936 x H665 x D755 mm
- Maximum volume of air at nominal fan speed: 3800/4600 m³/h - 50/60 Hz

Power	Item no. Frequency 50Hz	Item no. Frequency 60Hz	Voltage	Current (min. supply)	dB(A) (50/60 Hz)
10,6 / 11,7 kW	21960225	21960226	3x380V / 3x400V	18 A	60/64
11,7 kW	21960227	21960228	3x440V	16 A	
	21960229	21960230	3x480V	15 A	
	21960231	21960232	3x690V	11 A	
14,1 / 15,6 kW	21960233	21960234	3x380V / 3x400V	24 A	
15,6 kW	21960235	21960236	3x440V	21 A	
	21960237	21960238	3x480V	20 A	
	21960239	21960240	3x690V	14 A	
17,6 / 19,5 kW	21960241	21960242	3x380V / 3x400V	29 A	
19,5 kW	21960243	21960244	3x440V	27 A	
	21960245	21960246	3x480V	24 A	
	21960247	21960248	3x690V	17 A	



Type: VLEx - L (large)

- Power: 23,4 - 27,3 - 31,2 - 35,1 kW
- Size: W936 x H665 x D950 mm
- Maximum volume of air at nominal fan speed: 4800/6800 m³/h - 50/60 Hz

Power	Item no. Frequency 50Hz	Item no. Frequency 60Hz	Voltage	Current (min. supply)	dB(A) (50/60 Hz)
21,1 / 23,4 kW	21960249	21960250	3x380V / 3x400V	35 A	65/68
23,4 kW	21960251	21960252	3x440V	32 A	
	21960253	21960254	3x480V	30 A	
	21960255	21960256	3x690V	21 A	
24,6 / 27,3 kW	21960257	21960258	3x380V / 3x400V	41 A	
27,3 kW	21960259	21960260	3x440V	37 A	
	21960261	21960262	3x480V	34 A	
	21960263	21960264	3x690V	24 A	
28,2 / 31,2 kW	21960265	21960266	3x380V / 3x400V	47 A	
31,2 kW	21960267	21960268	3x440V	42 A	
	21960269	21960270	3x480V	39 A	
	21960271	21960272	3x690v	27 A	
31,7 / 35,1 kW	21960273	21960274	3x380V / 3x400V	52 A	
35,1 kW	21960275	21960276	3x440V	48 A	
	21960277	21960278	3x480V	44 A	
	21960279	21960280	3x690V	30 A	

OPTIONS FOR VLEx FAN HEATERS

Item no.	Description
19400555	Flow switch, separate d-enclosure
19400551	TSH - safety thermostat with automatic reset, build into e-enclosure
19400553	RTD (PT100 sensor and 4-20mA transmitter), build into e-enclosure, for VLEx S and M
19400567	RTD (PT100 sensor and 4-20mA transmitter), build into e-enclosure, for VLEx L
19400554	Room thermostat 0-40°C, build into e-enclosure
19400550	Room thermostat 0-40°C, build into d-enclosure. Ensuring optimum operation and minimising energy consumption
19400552	Room thermostat 0-40°C, for mounting on wall. Ensuring optimum operation and minimising energy consumption
03020370	Cable for connection between thermostat and e-enclosure. Size 4x1,5 mm ² Ø10,6 mm. Available in full meters
14060049	Main switch, max 25A. Cable diameter Ø9-21 mm
14060050	Main switch, max 40A. Cable diameter Ø12-28 mm
14060051	Main switch, max 80A. Cable diameter Ø16-35 mm
03030141	Connecting cable between main switch and fan heater for max 32A. Size 4x6 mm ² Ø19,5 mm. Available in full meters
03030143	Connecting cable between main switch and fan heater for max 63A. Size 4x16 mm ² Ø25,5 mm. Available in full meters
19400568	Cable gland nickle plated brass M32 + M25 + M20 for cable Ø6,5-26,3 mm
19400569	Cable gland nickle plated brass M32 for cable Ø17,0-26,3 mm
19400563	Cable gland reducer nickle plated brass to M25 for cable Ø11,1-Ø20
19400564	Cable gland reducer nickle plated brass to M20 for cable Ø6,5-Ø14