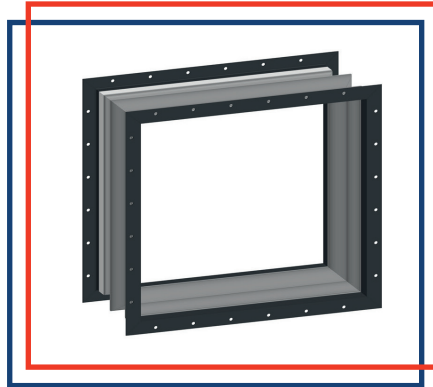


COMPACT DUCT FAN VKSE



Duct fan VKSE



Flexible rectangular insert VP



Frequency converter
UVE-810

◀Designed for installation in compact stationary supply and exhaust systems ventilation, as well as air conditioning of industrial, public and residential buildings; ▶The duct fan is used to move masses, the permissible content of dust and other solid impurities which should not exceed 0.1 g/m^3 ;

◀Presence of sticky, fibrous and abrasive components, as well as explosive impurities not allowed.

◀ The temperature range of the transported medium varies from -30°C to $+40^\circ\text{C}$. ▶Protection class IP54.

The duct fan housing is made of galvanized steel, which provides reliable protection against corrosion.

IMPELLERS of the duct fan with backward curved blades undergo thorough static and dynamic balancing. The use of wheels of this type allows maintaining a uniform air speed across the fan outlet cross-section, ensures optimal flow rate in the ventilation duct, and, accordingly, reduces energy consumption and noise level.

ELECTRIC MOTOR. The fan is equipped with asynchronous single- or three-phase electric motors, which allow adjusting the impeller rotation speed using frequency converters. Upon additional request, fans can be equipped with single-phase electric motors with a power of over 1.5 kW.

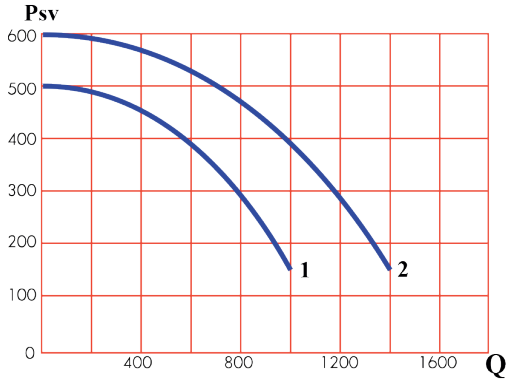
The fan can be installed in any spatial position while maintaining its operability.

VKSE-700x400-3.55D-O-2.2/3000-380

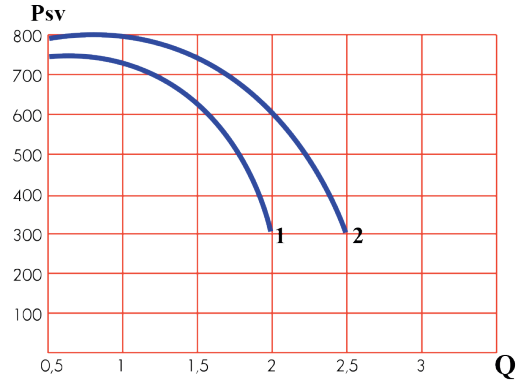
Fan type: VKSE; VKZE;			
Fan size: internal cross-section AhB : A - width, mm; B - height, mm;			
Impeller size: 2.5; 3.15; 3.55; 4; 4.5; 5; 5.6; 7.1 ; (A; B; C; D; E)			
Appointment: O - general industrial; VZI - explosion-proof; K - corrosion-resistant (specify the brand of stainless steel);			
Electric motor parameters, Ny/nL: Ny - power, kW; n - synchronous speed, rpm (750; 1000; 1500; 3000); L-230 - single-phase electric motor; 380 - three-phase electric motor;			

Aerodynamic characteristics

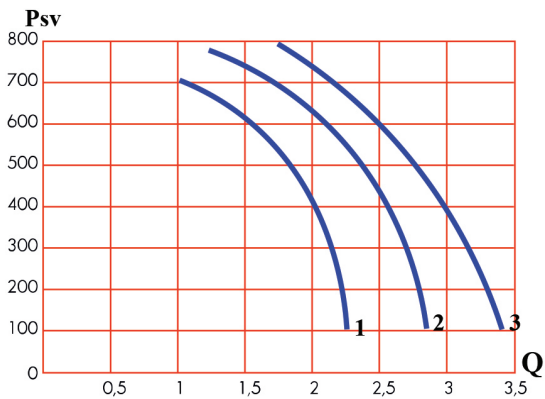
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2-VKSE-500x300-2.5D-0.37/3000



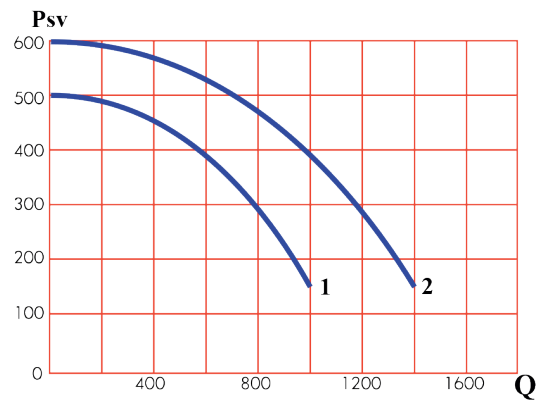
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2-VKSE-500x300-2.5A-0.75/3000



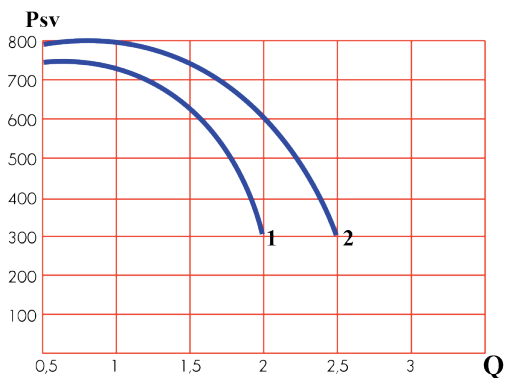
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3-VKSE-400x400-3.15D-1.1/3000



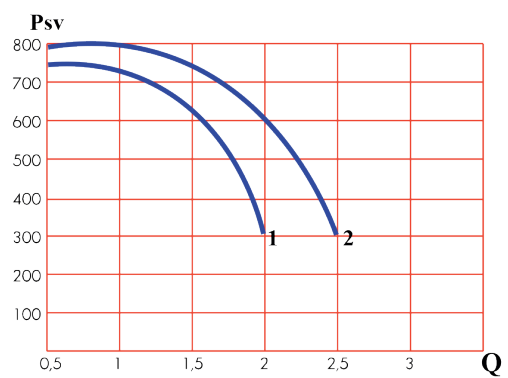
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2-VKSE-600x300-2.5D-0.37/3000



1-VKSE-600x300-2.5C-0.55/3000
2-VKSE-600x300-2.5A-0.75/3000

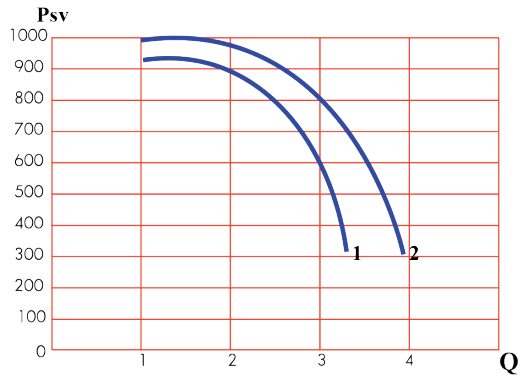


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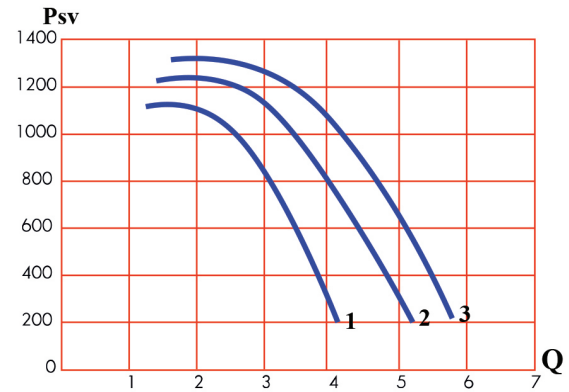


Aerodynamic characteristics

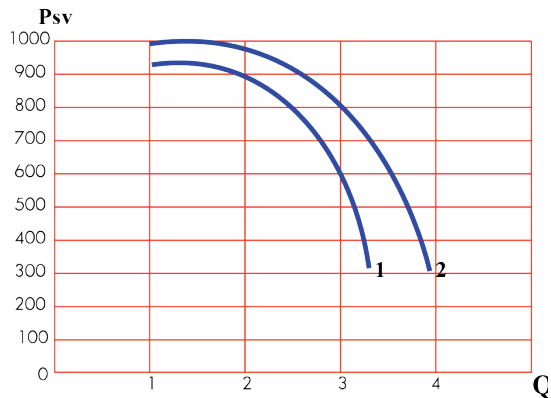
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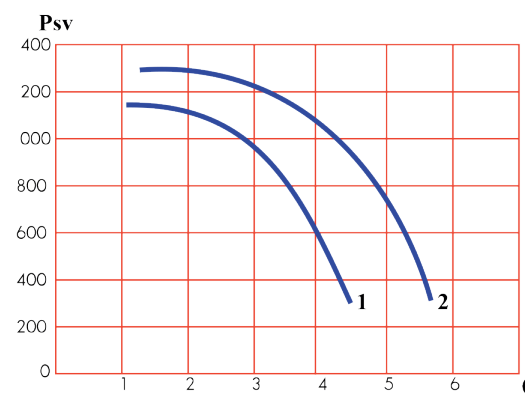
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3-VKSE-500x500-3.55C-3/3000



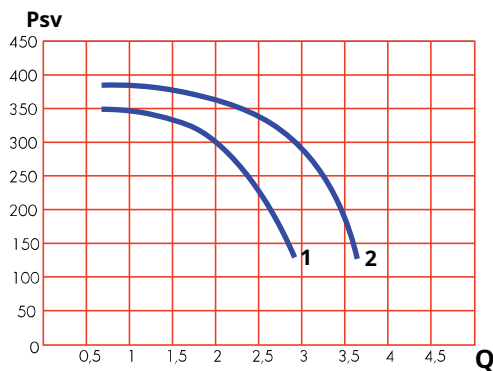
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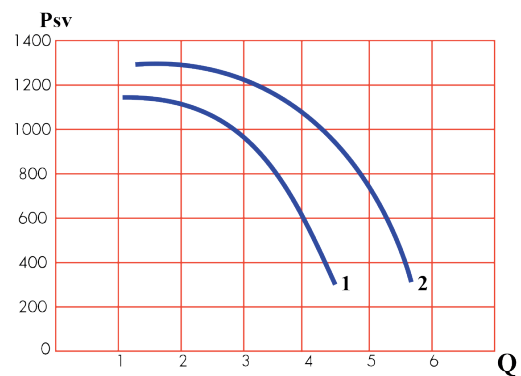
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2-VKSE-700x400-3.55C-3/3000



1-VKSE-800x500-4D-0.55/1500
2-VKSE-800x500-4B-0.75/1500

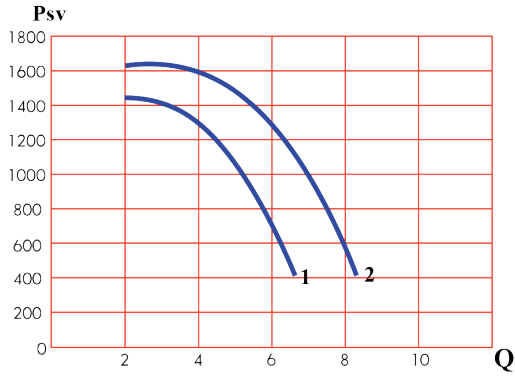


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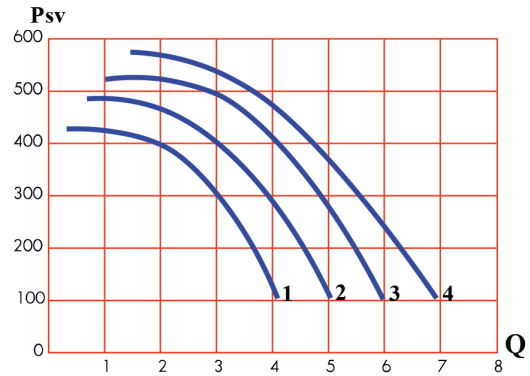


Aerodynamic characteristics

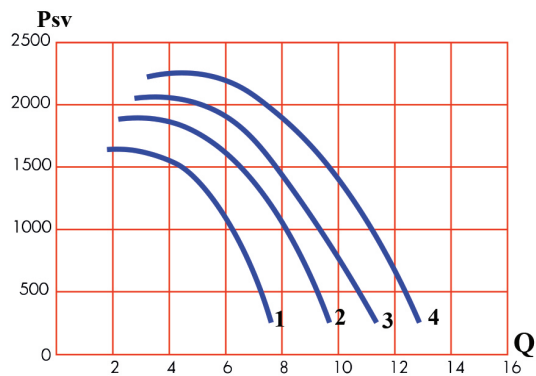
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1-VKSE-650x650-4.5E-0.55/1500
2-VKSE-650x650-4.5D-0.75/1500
3-VKSE-650x650-4.5C-1.1/1500
4-VKSE-650x650-4.5B-1.5/1500



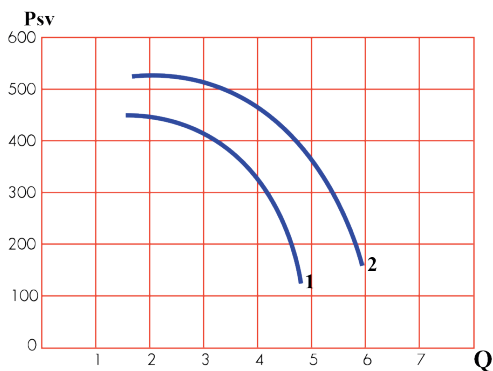
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2-VKSE-650x650-4.5D-5.5/3000
3-VKSE-650x650-4.5C-7.5/3000
4-VKSE-650x650-4.5B-11/3000



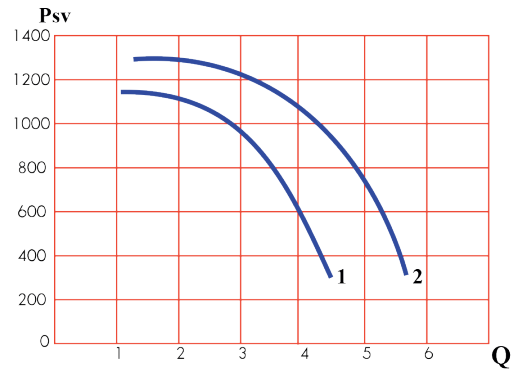
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2-VKSE-900x500-4B-0.75/1500



1-VKSE-900x500-4.5C-1.1/1500
2-VKSE-900x500-4.5B-1.5/1500

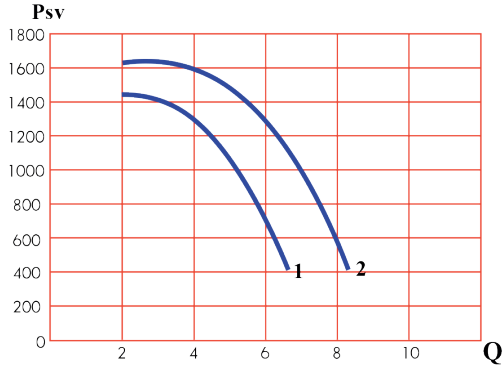


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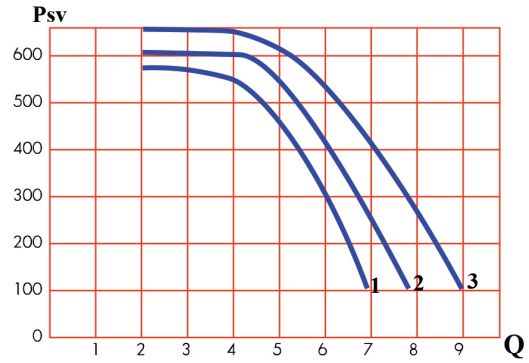


Aerodynamic characteristics

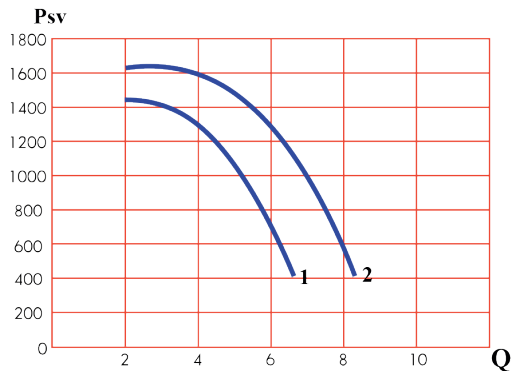
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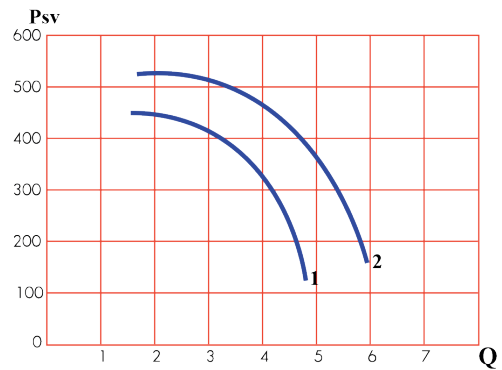
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3-VKSE-700x700-5B-2.2/1500**



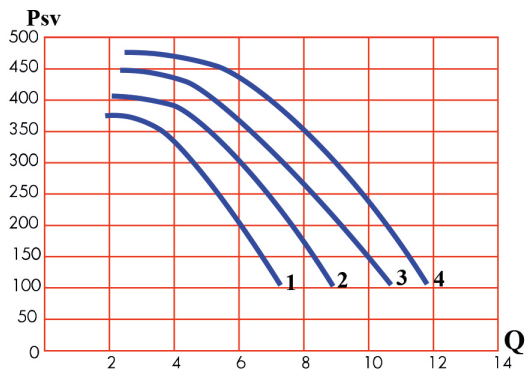
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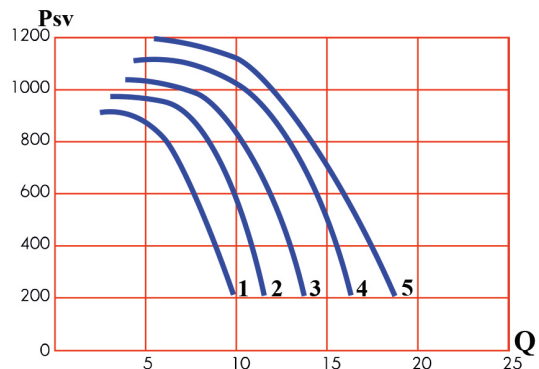
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**1-VKSE-800x800-5.6D-0.75/1000
2-VKSE-800x800-5.6C-1.1/1000
3-VKSE-800x800-6.3C-1.5/1000
4-VKSE-800x800-6.3B-2.2/1000**



**1-VKSE-800x800-5.6D-2.2/1500
2-VKSE-800x800-5.6C-3/1500
3-VKSE-800x800-6.3D-4/1500
4-VKSE-800x800-6.3C-5.5/1500
5-VKSE-800x800-6.3B-7.5/1500**



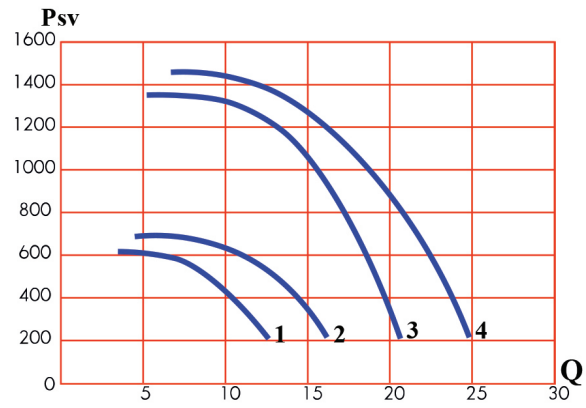
Aerodynamic characteristics

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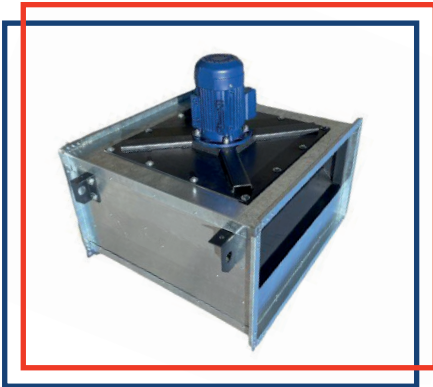
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3-VKSE-1000x1000-7.1D-7.5/1500

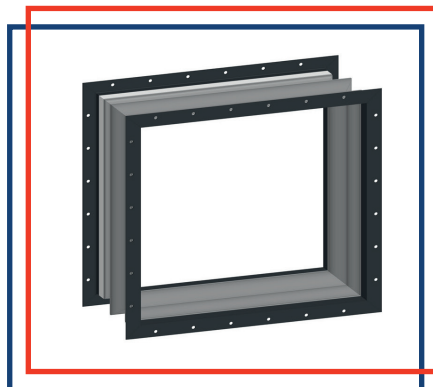
4-VKSE-1000x1000-7.1B-11/1500



DUCT FAN WITH REMOTE ELECTRIC MOTOR VKZE



Duct fan VKZE



Flexible rectangular insert VP



Frequency converter
UVE-810

- ◀ Designed for use in exhaust systems for moving air with increased temperature;
- ◀ the presence of sticky, fibrous and abrasive components, in which the content of dust and other solid impurities must not exceed 0.1 g/m^3 ;
- ◀ the temperature range of the transported medium varies from -30° C to $+80^\circ \text{ C}$ with high humidity. By special order, a version is possible in which the temperature of the transported medium is up to $+100^\circ \text{ C}$;
- ◀ protection class IP54.

The fan housing is made of galvanized steel, for corrosion-resistant versions - of stainless steel. By special order, the outer surface of the housing can be made with powder coating.

The impellers of duct fans with backward curved blades are made of stainless or black steel with powder coating. In explosion-proof fans, the impellers and inlet manifolds are made of materials that do not cause sparks when rubbing and colliding with each other. The wheels are carefully statically and dynamically balanced.

Asynchronous single- and three-phase electric motors are characterized by low power consumption and a significant service life. Placing the motor outside the air duct protects it from the effects of unwanted impurities in the air flow (water vapor, grease, etc.) and provides increased fan performance. To ensure correct operation of the fan, it is recommended to install an oil and grease filter in front of it, which must be regularly cleaned or replaced (kitchen version).

VKZE fans are designed to move gas, steam-air explosive mixtures of category 2 according to GOST 12.1.011.78

Fans are not intended for moving gas-vapor-air mixtures from technological installations in which explosive substances can be heated above the autoignition temperature or be under excessive pressure.

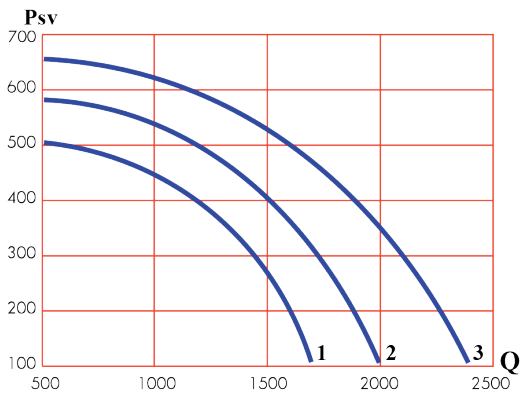
VKZE fans are manufactured in the Y3 climatic version as standard. It is allowed to place the fan in the Y2 category, provided that the electric motor is protected from precipitation and direct sunlight. By special order, the Y1 version is possible.

VKZE-600x300-3,15B-O-0,25/1500-380

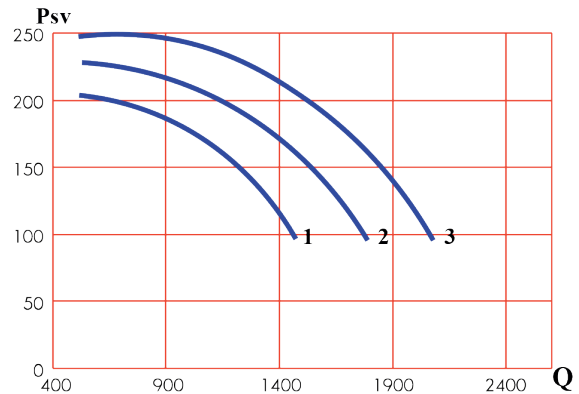
Fan type: VKSE; VKZE;
Fan size: internal cross-section AhB : A - width, mm; B - height, mm;
Impeller size: 2.5; 3.15; 3.55; 4; 4.5; 5; 5.6; 7.1; (A; B; C; D; E)
Appointment: O - general industrial; VZI - explosion-proof; K - corrosion-resistant (specify the brand of stainless steel);
Electric motor parameters, Ny/nL: Ny - power, kW; n - synchronous speed, rpm (750; 1000; 1500; 3000); L-230 - single-phase electric motor; 380 - three-phase electric motor;

Aerodynamic characteristics

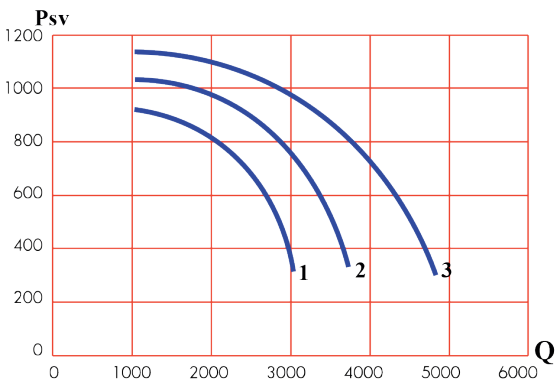
- 1-VKZE-500x250-2.5E-0.25/3000**
- 2-VKZE-500x250-2.5D-0.37/3000**
- 3-VKZE-500x250-2.5C-0.55/3000**



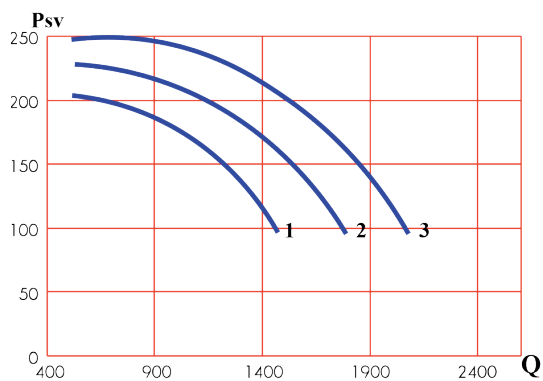
- 1-VKZE-500x300-3.15D-0.12/1500**
- 2-VKZE-500x300-3.15C-0.18/1500**
- 3-VKZE-500x300-3.15B-0.25/1500**



- 1-VKZE-500x300-3,15D-1,1/3000**
- 2-VKZE-500x300-3,15C-1,5/3000**
- 3-VKZE-500x300-3,15B-2,2/3000**

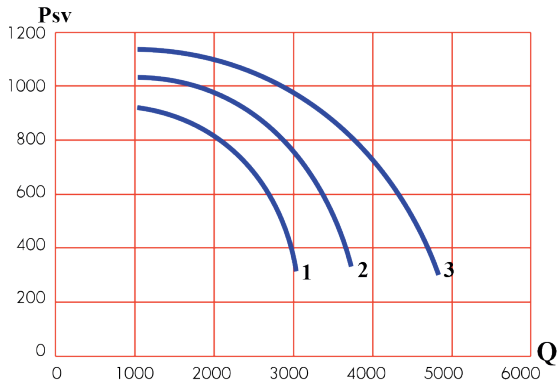


- 1-VKZE-600x300-3.15D-0.12/1500**
- 2-VKZE-600x300-3.15C-0.18/1500**
- 3-VKZE-600x300-3.15B-0.25/1500**

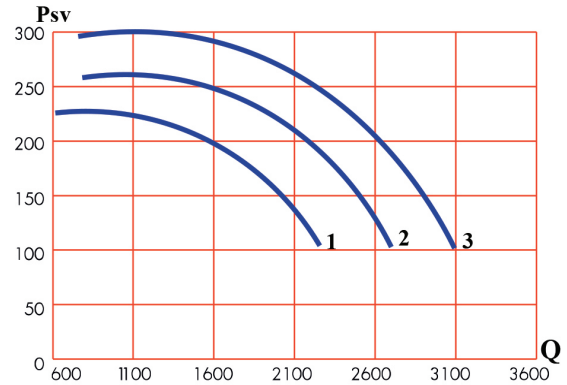


Aerodynamic characteristics

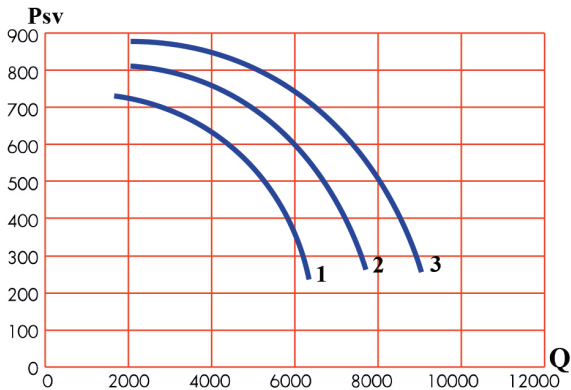
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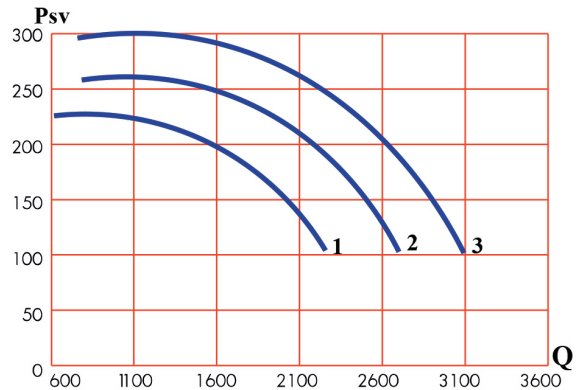
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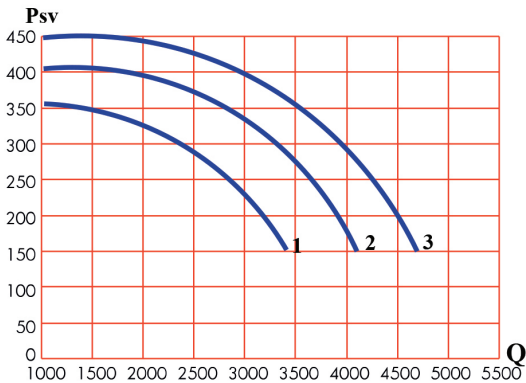
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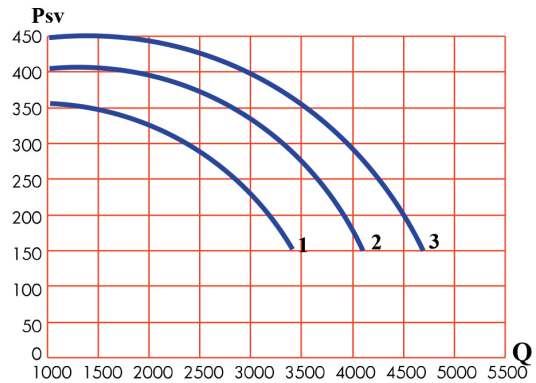
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3-VKZE-700x400-3.55C-0.37/1500



1-VKZE-700x400-4D-0.37/1500
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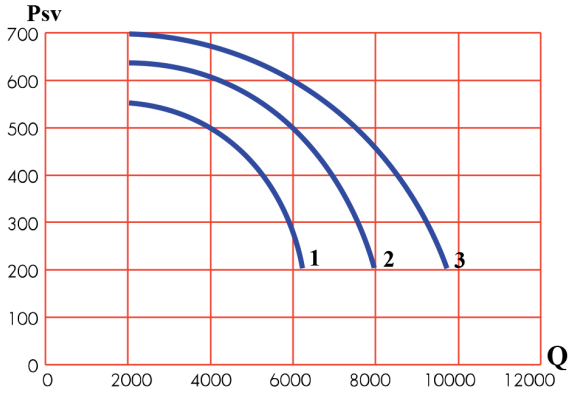


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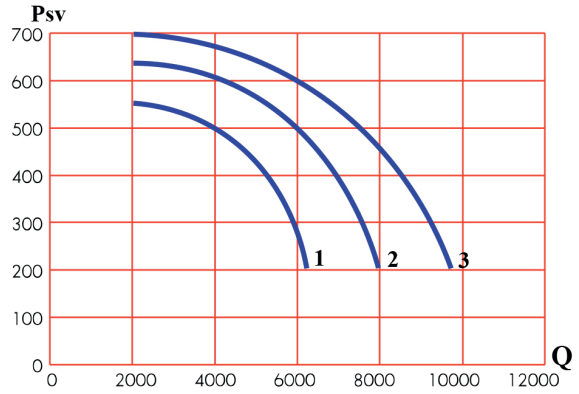


Aerodynamic characteristics

1-VKZE-800x500-5D-1.1/1500 2-VKZE-800x500-5C-1.5/1500 3-VKZE-800x500-5B-2.2/1500



1-VKZE-900x500-5D-1.1/1500 2-VKZE-900x500-5C-1.5/1500 3-VKZE-900x500-5B-2.2/1500



1-VKZE-1000x500-5.6D-2.2/1500 2-VKZE-1000x500-5.6C-3/1500 3-VKZE-1000x500-5.6B-4/1500

