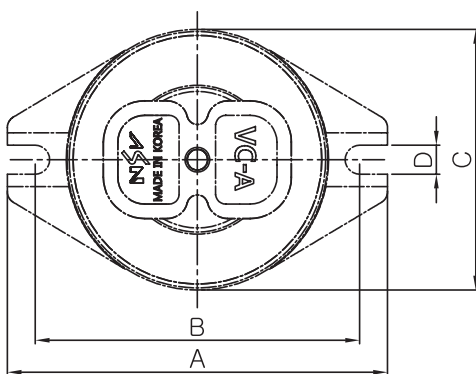
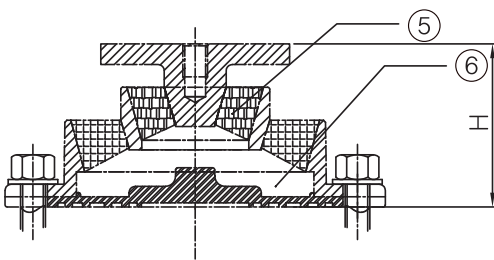
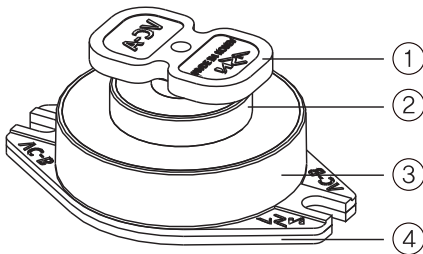


VC Conical Mount (Deflection : 15mm)



Features

The VC conical mount is a special vibration isolator having lower natural frequency (4.5 Hz) than the common rubber mount. Polyurethane or special synthetic neoprene rubber is inside VC conical mount, which makes it highly efficient, even in a low-frequency area. The anti-vibration pad is made of neoprene and is attached on the top and bottom of the contact surfaces to prevent structure-borne from passing through the bottom of the equipment when it touches steel and/or concrete. Plus, it is an omnidirectional vibration isolator, enabling stable operation of the equipment.

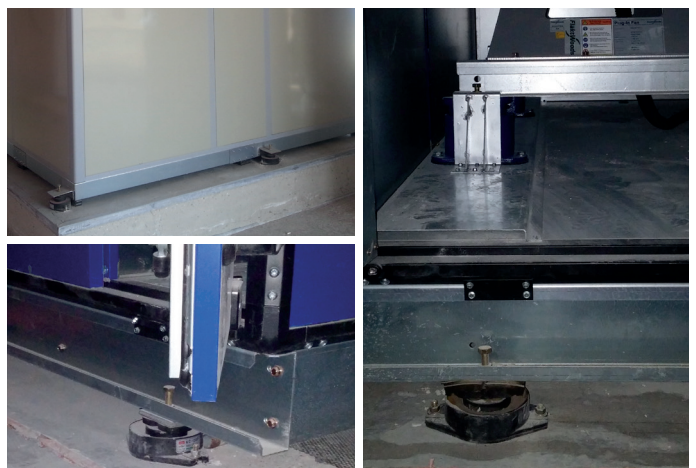
Usage

- ◆ For pumps, refrigerators, compressors and power generators
- ◆ For ventilators and air conditioning units
- ◆ For cooling towers
- ◆ For equipment having a large horizontal reaction

Specification

No.	Name of Components	Material	Standard
1	Upper Housing	GC	KS D 4301
2	Middle Housing	GC	KS D 4301
3	Lower Housing	GC	KS D 4301
4	Upper Rubber	CR	KS M 6617
5	Elastomer#1	PU or CR	KS M 6617
6	Elastomer#2	PU or CR	KS M 6617

Installation Features

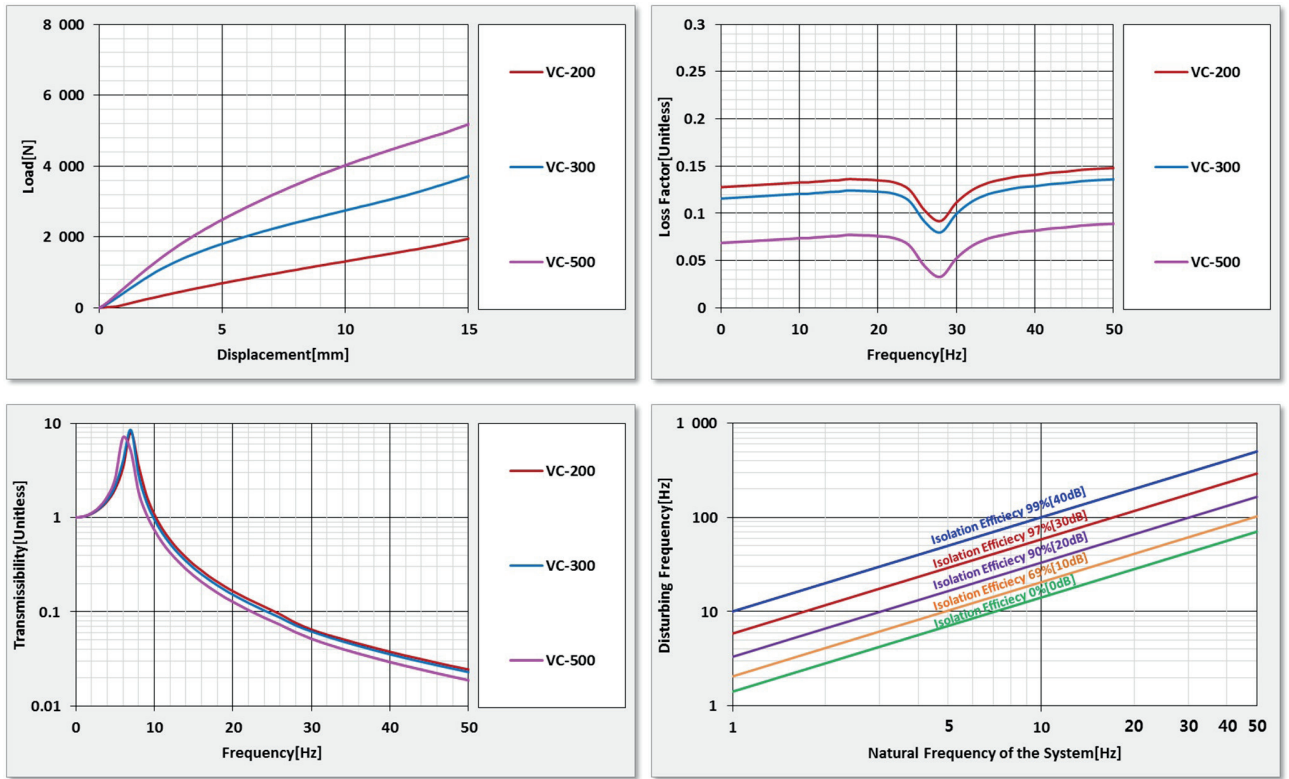


Dimension & Selection Guide

Type	Capacity (kgf)	Hardness (Hs)	Weight (kg)	Color	Dimension(mm)					
					A	B	C	D	H	Level bolt
VC-200	200	70 / 60	0.9	Yellow	184	157	127	14	79	M12
VC-300	300	80 / 70	1.0	Blue						
VC-500	500	85 / 75	1.0	Red						

(NOTE) The mentioned size and scale can be altered to improve the quality performance and capacity of the product without any notice.

VC Test Data



Explanation(Commonness)

1. Vibration Transmissibility(T_r)

Vibration Transmissibility is the amplitude ratio of Output to Input.

$$T_r = \frac{\text{Output Amplitude}}{\text{Input Amplitude}} = \sqrt{\left(\frac{1}{1-\eta^2}\right)^2} \cdot \eta = \frac{\text{Disturbing Frequency of the equipment}}{\text{Natural Frequency of the Isolator (Damping}(c) = 0)}$$

2. Natural Frequency(F_n) of Vibration Isolation System

The mass and spring stiffness dictate a natural frequency of the system.

$$F_n = \frac{1}{2\pi} \sqrt{\frac{k}{m}}$$

3. Isolation Efficiency(E)

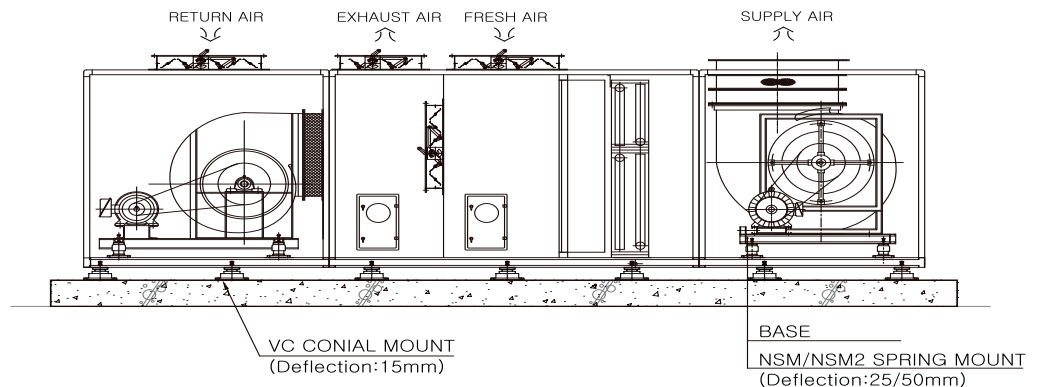
Isolation Efficiency in percent transmission is related to Vibration Transmissibility $E = 100(1 - T_r)$

ex) Disturbing Frequency of the equipment=100 Hz,

Natural Frequency of the isolator=10Hz

$$T_r = \sqrt{\left(\frac{1}{1-\eta^2}\right)^2} = \sqrt{\left(\frac{1}{1-\left(\frac{100}{10}\right)^2}\right)^2} = 0.101 \quad E = 100(1 - T_r) = 100(1-0.101)=99(\%)$$

Installation Features



HORIZONTAL AIR CONDITIONER ▶

VC CONICAL MOUNT
(Deflection:15mm)

BASE
NSM/NSM2 SPRING MOUNT
(Deflection:25/50mm)