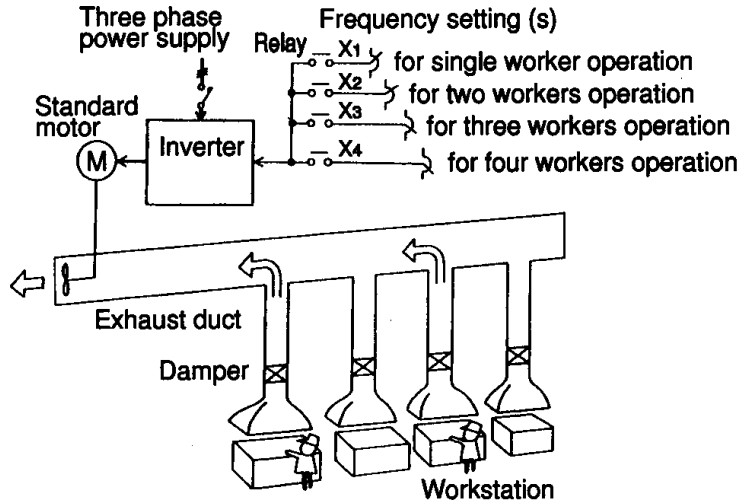


# EXHAUST FAN

Main Driver:  
VFA7, VFS9



The figure illustrated an example of adoption of inverter for a poisonous gas exhaust fan in a factory. The air flow rate of the fan is controlled according to the number of workers to obtain the required volume of exhaust along with energy saving.

## Advantaged of adopting an inverter

1. Since conventional method employ a constant speed motor, by closing one damper at a work stations.
2. By introducing an inverter, closure of one damper by the worker cause a slowdown of motor revolutions, thus **eliminating the whistle tone** and **realizing energy saving**.

[operating state]

In operation, each damper is fully opened. This figure shows switching of inverter frequency setting by selecting relays X1 through X4 according to the number of workstations where the damper is opened. The number of relays may be increased.