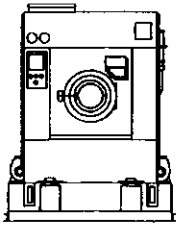
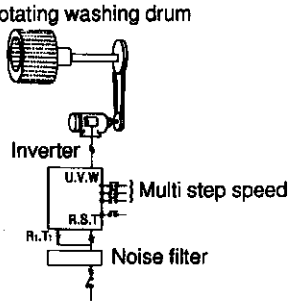
INDUSTRIAL WASHING MACHINE

Main Driver:
VFA7

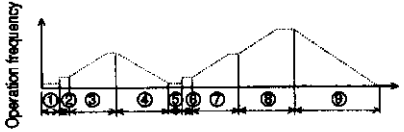
1. Apperance



Front view



2. Example of operational pattern



① : Intermittent washing , at some 10Hz (clockwise/counterclockwise)
② – ⑥ : Balanced spin drying (important process for even hugging on the drum) at some 15Hz (clockwise/counterclockwise) , if unsuccessful , medium/ high speed spin drying will be halted due to over–vibration
③ – ⑦ : Medium speed spin drying , at some 100Hz
④ : medium speed spin drying halt
⑤ : Intermittent rinse , at some 10Hz (clockwise/counterclockwise)
⑧ : High speed spin drying , at some 180Hz
⑨ : High speed spin drying halt

An example of inverter application where various processes (wash, rinse, balanced/ medium speed/ high speed spin-dry) are driven by an inverter controlled motor at optimal speed for wash operation.

Advantages of adopting inverters

1. A change from conventional three motors operation with clutch on/off to single motor driven operation creates a **simplified structure** and **downsizing** of the system.
2. Continuous and **optimal speed** setting being enabled.
3. Addition of a slip prevention function makes it possible to compensate speed differential and to maintain a **constant washing performance**.

Note on application

1. Operational conditions under high temperature/ humidity and use of detergent, the inverter's circuit board must be protected within a separate enclosure.