## Drive Motor for Forklift

Forklift Drive Motor - MCC's or otherwise known as Motor Control Centersare an assembly of one or more sections that have a common power bus. These have been utilized in the auto industry ever since the 1950's, since they were made use of many electric motors. Nowadays, they are utilized in other commercial and industrial applications.

In factory assembly for motor starter; motor control centers are fairly common technique. The MCC's consist of programmable controllers, metering and variable frequency drives. The MCC's are usually found in the electrical service entrance for a building. Motor control centers commonly are used for low voltage, 3-phase alternating current motors which range from 230 V to 600V. Medium voltage motor control centers are designed for large motors that vary from 2300V to 15000 V. These units use vacuum contractors for switching with separate compartments so as to achieve power control and switching.

Within factory area and locations which have dusty or corrosive processing, the MCC could be installed in climate controlled separated locations. Typically the MCC will be situated on the factory floor adjacent to the machines it is controlling.

For plug-in mounting of individual motor controls, A motor control center has one or more vertical metal cabinet sections with power bus. To be able to complete maintenance or testing, very large controllers could be bolted into place, whereas smaller controllers may be unplugged from the cabinet. Every motor controller has a contractor or a solid state motor controller, overload relays to be able to protect the motor, fuses or circuit breakers in order to supply short-circuit protection and a disconnecting switch in order to isolate the motor circuit. Separate connectors allow 3-phase power to enter the controller. The motor is wired to terminals located inside the controller. Motor control centers offer wire ways for power cables and field control.

Every motor controller inside a motor control center can be specified with a range of choices. These choices comprise: extra control terminal blocks, control switches, pilot lamps, separate control transformers, and various kinds of solid-state and bi-metal overload protection relays. They likewise comprise different classes of kinds of circuit breakers and power fuses.

There are a lot of choices concerning delivery of MCC's to the client. They can be delivered as an engineered assembly with interlocking wiring to a central control terminal panel board or programmable controller along with internal control. On the other hand, they can be supplied set for the client to connect all field wiring.

Motor control centers usually sit on the floor and must have a fire-resistance rating. Fire stops may be necessary for cables which penetrate fire-rated walls and floors.