

Forklift Drive Motors

Forklift Drive Motor - MCC's or otherwise known as Motor Control Centers are an assembly of one or more sections that have a common power bus. These have been used in the auto industry ever since the 1950's, because they were used lots of electric motors. Today, they are utilized in a variety of industrial and commercial applications.

Motor control centers are a modern practice in factory assembly for several motor starters. This equipment could comprise metering, variable frequency drives and programmable controllers. The MCC's are normally utilized in the electrical service entrance for a building. Motor control centers commonly are used for low voltage, 3-phase alternating current motors that range from 230 V to 600V. Medium voltage motor control centers are made for big motors that vary from 2300V to 15000 V. These units make use of 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 can be installed in climate controlled separated locations. Normally the MCC would be located on the factory floor near the machinery 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 complete testing or maintenance, very large controllers can be bolted into place, whereas smaller controllers could be unplugged from the cabinet. Every motor controller has a contractor or a solid state motor controller, overload relays In order to protect the motor, fuses or circuit breakers so as to supply short-circuit protection as well as a disconnecting switch so as to isolate the motor circuit. Separate connectors allow 3-phase power to be able to enter the controller. The motor is wired to terminals positioned in the controller. Motor control centers supply wire ways for field control and power cables.

In a motor control center, each motor controller could be specified with lots of different options. Some of the alternatives consist of: pilot lamps, separate control transformers, extra control terminal blocks, control switches, and numerous kinds of bi-metal and solid-state overload protection relays. They even have different classes of types of power fuses and circuit breakers.

There are many choices regarding delivery of MCC's to the customer. 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. Conversely, they can be provided set for the customer to connect all field wiring.

MCC's usually sit on floors that should have a fire-resistance rating. Fire stops can be required for cables which go through fire-rated walls and floors.