Forklift Drive Motors

Drive Motor for Forklifts - MCC's or likewise known as Motor Control Centersare an assembly of one or more sections which have a common power bus. These have been utilized in the auto trade ever since the 1950's, because they were made use of a large number of electric motors. These days, they are utilized in other industrial and commercial applications.

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

Inside factory area and locations that have dusty or corrosive processing, the MCC can be installed in climate controlled separated locations. Typically the MCC will be located on the factory floor next to the equipment 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 testing or maintenance, extremely large controllers can be bolted into place, whereas smaller controllers may be unplugged from the cabinet. Each motor controller consists of a solid state motor controller or a contractor, overload relays to protect the motor, circuit breaker or fuses to be able 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 positioned within the controller. Motor control centers offer wire ways for power cables and field control.

In a motor control center, each and every motor controller could be specified with lots of various options. Some of the options include: extra control terminal blocks, control switches, pilot lamps, separate control transformers, and many kinds of bi-metal and solid-state overload protection relays. They also comprise various classes of types of power fuses and circuit breakers.

Regarding the delivery of motor control centers, there are many options for the client. These can be delivered as an engineered assembly with a programmable controller together with internal control or with interlocking wiring to a central control terminal panel board. Conversely, they can be supplied set for the customer to connect all field wiring.

Motor control centers normally sit on the floor and must have a fire-resistance rating. Fire stops can be necessary for cables that go through fire-rated floors and walls.