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tiastar™ Motor Control Centers High Density

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**Realize big space savings in a compact design:
Up to 10% weight reduction and 25%
smaller footprint.¹**

Fit more control into less space: Siemens tiastar High Density Motor Control Centers offer innovative engineering concepts that fit equivalent control equipment into half the space (6" units versus standard 12"), while still adhering to UL and NEMA standards. This user-friendly design benefits both operators and operations. It's quick and easy to work with individual units, which increase capacity and production while decreasing costs.

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A New Standard in Space-Savings

Smaller Footprint, Bigger Impact

INCREASED EFFECTIVE FLOOR SPACE

Siemens tiastar HD MCCs are ideally suited for any industry or setting that places floor space at a premium. Your process or production requires you to utilize available floor space for your business needs. **The tiastar HD MCC opens your facility for all available production space to maximize revenue, while reducing the footprint of required electrical infrastructure.**

For example, use the increased room to fit more racking space and conveyors in warehouse environments, more production equipment into facilities like oil rigs; or even provide additional living space or more amenities into high rise buildings.



Siemens tiastar High Density Motor Control Centers save 25% floor space.

1. Compared to standard design.

COST SAVINGS

A reduced MCC footprint means an equivalent reduction in the number of sections required, thus lowering the overall cost of the investment. Simply stated, if you can condense four motor control center sections into three, you both use less floor space and save the capital expense of purchasing a fourth section.

The user friendly modular construction of the tiastar motor control center permits the High Density units to be retrofitted into existing installations to expand feeder and branch motor circuits.

ENERGY SAVINGS

The use of energy efficient components saves on energy consumption from day one. **High Density units feature the most energy efficient components for lower intrinsic power loss, reducing heat load inside the unit.**

USER-FRIENDLY OPERATION

Engineered for you, the more compact design does not sacrifice ease of access or use. The modular plug-in units are **easy to install and remove**, while white interiors provide improved visibility.

NO COMPROMISES

Design and construction meet UL845 and NEMA standards: The high density units use compact NEMA contactors to achieve the reduced footprint for FVNR sizes 1 through 4. Meanwhile, **Siemens tiastar-HD offers all the advantages of high density equipment without sacrificing any of the time-tested quality and durability of Siemens-built equipment.**

MORE FLEXIBILITY IN SPECS

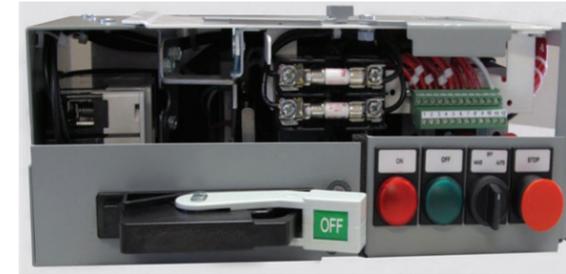
With modular units designed for plug-and-play performance, it's a snap (almost literally) to build scalable motor control centers. **Virtually every component within the bucket can be adapted or configured to meet your specific needs.**

The new tiastar HD also comes with previously unavailable options, such as arc flash resistance features that meet the ANSI/IEEE C37.20.7 standard (with testing witnessed by UL) in a high-density configuration. Bottom line: **a smaller footprint means a more flexible fit that integrates seamlessly into your engineering specification.**

Picture the Savings

Save Space, Energy and Costs

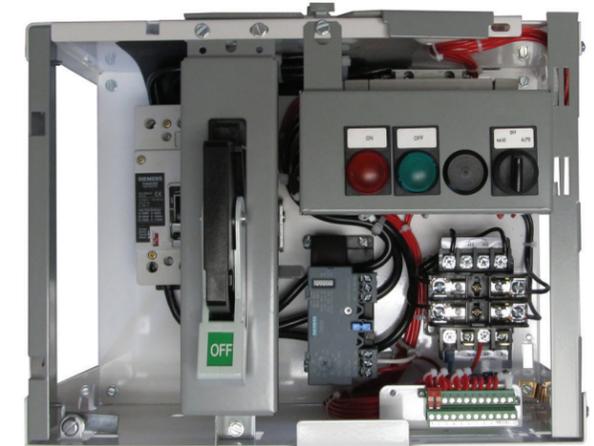
STANDARD 6"



A SMALLER PACKAGE WITH HUGE BENEFITS

Size matters. While the tiastar HD saves valuable floor space and energy costs, its compact design and efficient operation deliver big payoffs at the bottom line.

STANDARD 12"



Technical Characteristics

Unit Type	NEMA Size	Amps	Unit Size	Door Mounted Pilot Devices
FVNR	1	-	6"	4*
FVNR	2			
FVNR	3	-	12"	
FVNR	4	-	18"	
FCB	-	15 - 250	6"	-
FCB	-	15 - 250	12"	-

Full Voltage Non-Reversing (FVNR) Starter • Feeder Circuit Breaker (FCB)

* 22 mm pilot devices

If floor space is at a premium or you're ready for the most cost-effective and energy-efficient MCC design available, the new Siemens tiastar HD will get your operations moving on the right foot.

For more information, contact your Siemens representative or visit us at www.usa.siemens.com/mcc.