



**Allen-Bradley**

To reduce line harmonics, Rockwell Automation offers a patented 18-Pulse drive packaged in the industry leading Allen-Bradley CENTERLINE® Motor Control Center.

This drive package features a full-rated continuous horizontal bus, and the innovative packaging of the drive in the MCC offers a small footprint. By maximizing critical floor space, the drive package is ideal for new MCC installations and retrofit needs. The larger horsepower drive packages feature an exclusive roll-out design for ease of installation and servicing. The MCC construction helps reduce installation costs and time, and provides enhanced safety and durability.

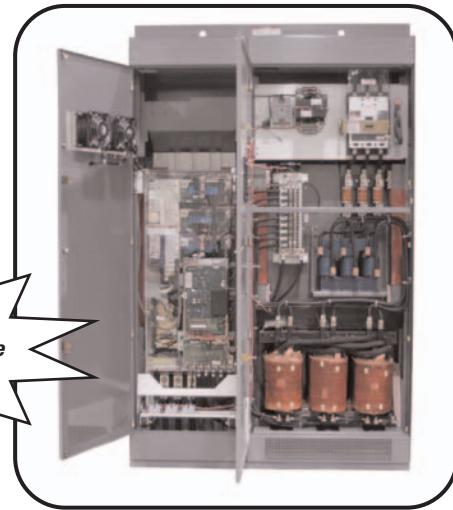
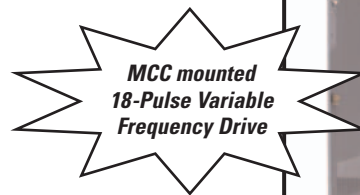
The Allen-Bradley 18-Pulse drive meets IEEE519-1992 at the drive input terminals. IEEE519-1992 is often required by power utilities and large consumers. This standard has become increasingly common in low voltage systems.

This MCC package is the clear choice for water, wastewater, HVAC and industrial process applications, where harmonics are a concern.

## Benefits

- Meets IEEE519-1992 at the drive input terminals
- UL/cUL listed meeting industry standards
- Industry exclusive design includes horizontal power bus and compact roll-out drive (75-250 HP) design for ease of installation and servicing
- Can be spliced into any CENTERLINE MCC

# Low Harmonic Drive Package in Allen-Bradley Motor Control Centers



*Motor Control Center with through bus*

## Harmonics

Harmonics are deviations in frequency from ideal AC line voltage and current waveforms, generated by non-linear commercial and industrial loads. Harmonics cause component overheating, nuisance tripping and noise transfer to other load sources.

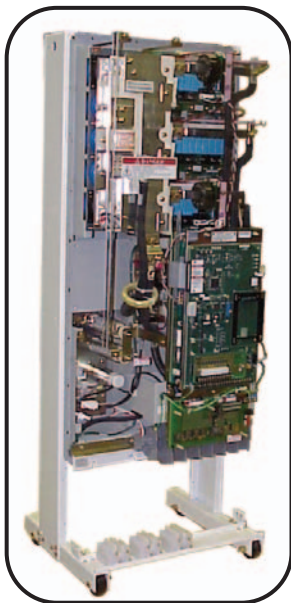
The 18-Pulse drive package uses a standard Allen-Bradley 1336 Plus II design with the front end replaced by a separate 18-Pulse converter bridge and phase shifting autotransformer. The harmonics generated by the drive are reflected through the converter bridge and phase shifting autotransformer, canceling harmonic-induced noise. *This package meets IEEE519-1992 at the drive input terminals without additional analysis.*

## Valuable Features

- Patented phase shifting autotransformer design
- NEMA 1 rated with ventilation
- Available 40-250 HP at 480 Volts
- Diode converter bridge
- Manual bypass available (additional space required)

## Low Harmonic Drive Package in Low Voltage Motor Control Centers

480 Volts, 3-phase, 60 Hertz		Constant or Variable Torque	
		Two Sections	
Kilowatts	Horsepower	Total Width	Total Depth
30	40	20" + 30" = 50"	20"
37	50		
45	60		
56	75		
75	100		
93	125		
112	150	25" + 35" = 60"	25"
149	200		
187	250		



### Roll-out Drive Benefits (75 - 250 HP)

- Compact design saves important floor space
- Lower installation cost with access for cable pulling equipment and access to motor cable connections
- Field motor cables remain connected when drive is withdrawn for quick and easy servicing

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