

DRIVES FOR EVERY INDUSTRY

When power quality counts, Safronics HR1018 GP10 18-Pulse AC Drive is the leader in providing users the confidence level they need in meeting the demands placed on them by utilities for improved total power factor, reduced harmonics, and overall improved efficiency. The HR1018 eliminates the need for external filters, magnetics, and costly power factor correction equipment, while compliance is met at the drive terminals for IEEE 519-1992 voltage and current distortion.

- Based on our proven GP10 AC drive platform
- 18 Pulse configured for reduced voltage and current distortion
- Latest in Soft Switching technology for longer motor cable runs without filters
- On line motor auto-tuning for optimum performance
- Advanced energy savings software

OPTIONS

- Input Circuit Breaker
- Fused and Non-fused disconnect
- 3 Contactor Auto or Manual Bypass
- Integrated Reduced Voltage Soft-Starter Bypass
- Net-work Serial Communications
- Bottom Entry

ENCLOSURE OPTIONS

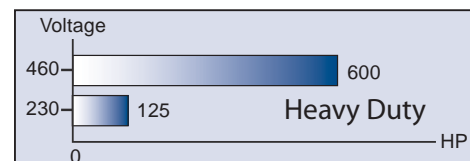
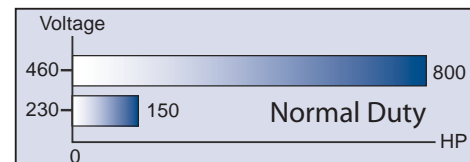
- UL1 Type 12 (Blown and Filtered)
- Nema-3R UL
- Top cable entry standard
- UL 508A Approved Panel construction



100 HP unit at 480 VAC

User Benefits of HR1018

- » Meet IEEE 519-1992 at drive input terminals
- » Improved total power factor compared to 6 & 12 pulse drives
- » Eliminate utility penalties for power factor and peak demand charges
- » No external filters and or transformers needed
- » Reduce nuisance tripping for auxiliary equipment caused by harmonic currents
- » Improves overall electrical system efficiency





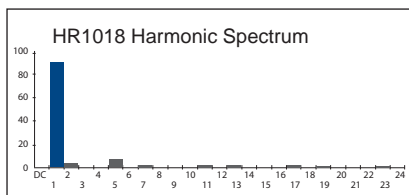
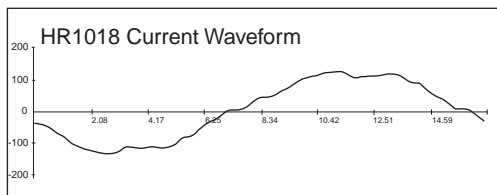
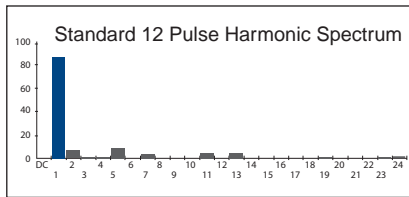
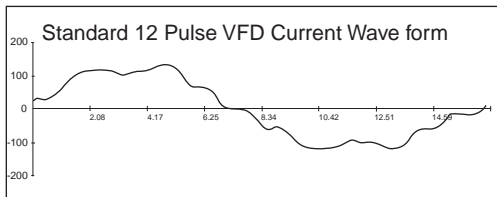
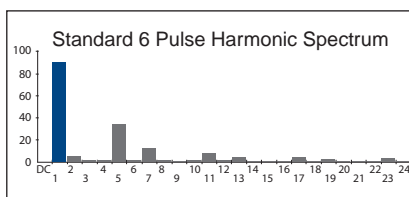
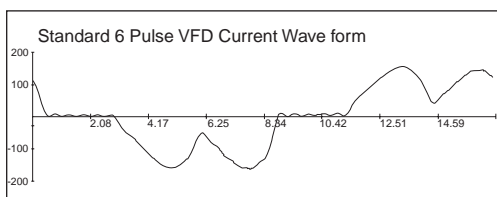
Power in Control

Designed to meet the industry's demands for clean power, the Safronics HR1018 offers the latest in both microprocessor and IGBT technology, delivered to the industrial marketplace with the best combination of size, cost and performance.

The HR1018 includes Safronics popular GP10 vector AC drive with an integrally mounted 18 pulse transformer, providing exceptional efficiency with very low harmonic distortion. Pre-packaged in a single Nema 12 or Nema 3R enclosure. The HR1018 provides low installation cost with minimum space requirements.

The HR1018 features a comprehensive set of monitoring, maintenance and protective functions, assuring safe, efficient and reliable operation in the most demanding environments. The static, dynamic and on-line tuning available on the HR1018 delivers accurate motor and drive performance while ensuring motor operation at its peak efficiency. The IGBT output section incorporates 4th Generation Soft Switching Technology, reducing dv/dt up to 50% and eliminating the need for costly output filters.

DIMENSIONS & WEIGHTS



Horsepower Range (Normal Duty)	PACKAGE WITH CIRCUIT BREAKER / FUSED DISCONNECT	PACKAGE WITH SOFTSTART BYPASS OPTION*
	H x W x D (Inches)	H x W x D (Inches)
50	90 x 36 x 24	90 x 36 x 24
75		
100		
125		
150	90 x 48 x 36	90 x 84 x 36
200		
250		
300	90 x 60 x 36	90 x 96 x 36
350		
400	90 x 72 x 36	90 x 120 x 36
450		
500		
600		
700	90 x 90 x 36	90 x 138 x 36
800		
		90 x 150 x 36

*Cabinet might be smaller in packages without softstart option

To maintain maximum uptime and performance, Safronics offers the industry's only **24 hour / 7 days per week toll free emergency support**. The Safronics Technical Support team is available for troubleshooting assistance as well as weekend and holiday shipment of repair parts.

P/N: 027-3034
Rev: 12/2004

**24/7
Emergency
Support**

