

AFS4000 and AFS6000

Rack Mountable Power Shelves

NOTICE SOME MODELS LISTED IN THIS DOCUMENT HAVE BEEN DISCONTINUED

Please contact your local Artesyn representative or use the on line model number search tool at <http://www.artesyn.com/powergroup/products.htm> to find a suitable alternative.



[2 YEAR WARRANTY]



- **Front-end shelves for AFE2000 series power supplies**
- **Distributed power architecture**
- **UL and TUV approval**
- **Hot-swap power system**
- **N+1 redundancy**

The AFS4000 and AFS6000 power shelves are designed to house Artesyn standard AFE2000 series front-end power supplies. The shelves mount into standard 19 inch racks. The power shelves accept high range (200 to 240VAC) AC power and deliver a regulated DC bus voltage generated from the AFE2000 power supplies. The power shelf provides input filtering and protection and individual 20 Amp circuit breakers for each AFE2000 power supply are provided on the front end of the shelf. An output bus bar on the rear of the unit is provided for distribution of the main output to system payload. Control, diagnostic and protection signals and the auxiliary output from AFE2000 power supplies are routed through the power shelf to a parallel interface connector on the rear of the unit. Clearance is provided on the rear of the unit to maintain adequate airflow and cooling of the AFE2000 power supplies mounted within the shelf.

POWER SHELF	MAIN OUTPUT POWER	N+1 REDUNDANT POWER	HEIGHT	AFE2000 POWER SUPPLIES	SIGNAL INTERFACE
AFS4000-3U2P	4000W	2000W	3U (5.25 inch)	2	Parallel via 25 pin D type connector
AFS6000-4U3P	6000W	4000W	4U (7.0 inch)	3	Parallel via 37 pin D type connector

AFS Power Shelf Characteristics

POWER SHELF	POWER MODULE		
	AFE2000-26S48NA	AFE2000-26S54NA	AFE2000-26S56NA
AFS4000-3U2P	48V @ 83A 12V @ 2A	54.5V @ 73A 12V @ 2A	56.2V @ 71A 12V @ 2A
AFS6000-4U3P	48V @ 124A 12V @ 3A	54.5V @ 109A 12V @ 3A	56.2V @ 106A 12V @ 3A

AFE2000 Output Configurations with AFS Power Shelves

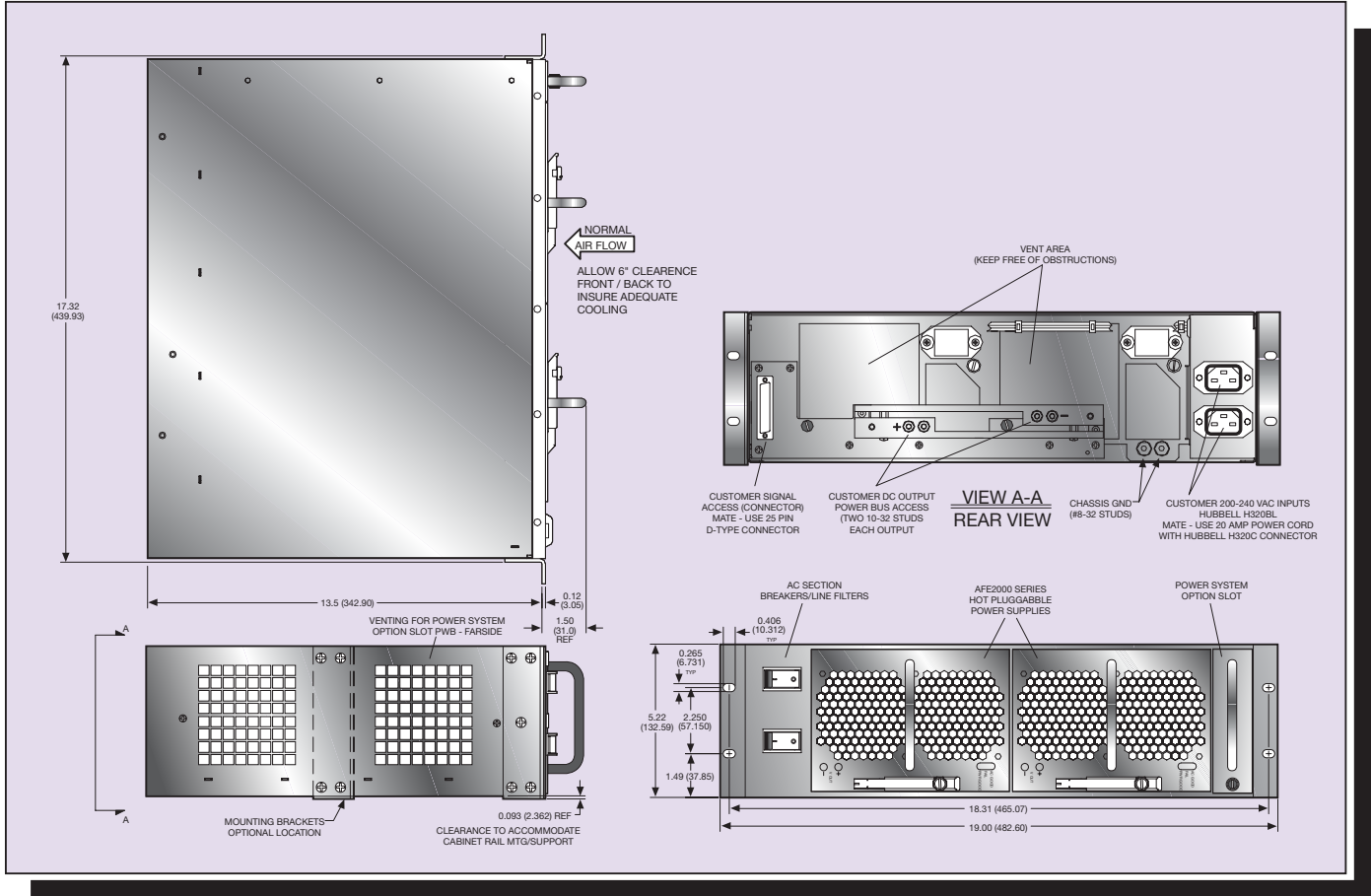
Nominal Input Voltage	Line Current (Typical)
200VAC	11.6A rms
200VAC	11.2A rms
220VAC	10.6A rms
240VAC	9.7A rms

AC Input Line Cord Current
(for each AFE2000 module within power shelf)

AFS4000 and AFS6000 Rack-mountable power shelves for AFE2000 series modules

Mechanical Notes for AFS4000-2U2P Interface Drawing

1 All dimensions in inches (mm).



International Safety Standard Approvals



EN60950/IEC950 File No. E9972397



UL1950 File No. E135734

AFS4000 and AFS6000 Rack-mountable power shelves for AFE2000 series modules

Mechanical Notes for AFS6000-4U3P Interface Drawing

1 All dimensions in inches (mm).

