

# Sun Fire™ V445 Server

## Site Planning Product Specifications

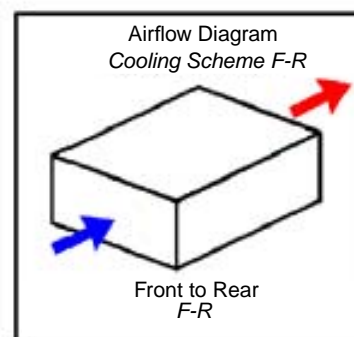
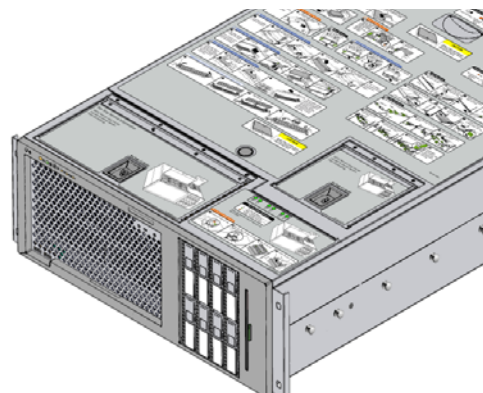
### Common Specifications

Product Operating Environment	
Dry Bulb Temperature	
Allowed <sup>(a)</sup>	5C to 35C (41F to 95F)
Recommended	21C to 23C (70F to 74F)
Maximum Rate of Change	5C (9F) per hour
Relative Humidity	
Allowed	20 to 80%
Recommended	45 to 50%
Maximum Dew Point Temperature	28C (82F)
Maximum Elevation	3050m (10,000ft)

Product Storage Environment	
Dry Bulb Temperature	-20C to -60C (-4F to 140F)
Maximum Rate of Change	5C (9F) per hour
Relative Humidity	5 to 95%
Maximum Dew Point Temperature	38C (100F)
Maximum Elevation	12km (40,000ft)

<b>ASHRAE Environment Class<sup>(b)</sup></b>	1, 2, 3
---	---------

Electrical	
Voltage, Nominal	100-120VAC / 200-240VAC, 50/60Hz
Rated Input Current Max	6.75A @ 120VAC, 3.3A @ 240VAC
Rated Input Power	1320W
Inrush Current @ 240VAC	25A at peak
Power Factor	0.98 typical configuration
AC Input Connection	IEC-320-C14 inlet



### Specifications Variable by Configuration

Configuration		Minimum	Typical	Maximum
CPUs		2 CPUs @ 1.6GHz	4 CPUs @ 1.6GHz	4 CPUs @ 1.6GHz
Memory		4GB memory	8GB memory	32GB memory
Hard Disk Drives		2 HDD (10K) @ 73GB	4 HDD (10K) @ 73GB	8 HDD (10K) @ 73GB
PCI Cards			2 PCI cards @ 21W (42W)	8 PCI cards @ 25W (200W)
Dimensions <sup>(c)(d)</sup>	mm	445x644x175	445x644x175	445x644x175
	inches	17.48x25x6.85	17.48x25x6.85	17.48x25x6.85
Rack Units	U	4U	4U	4U
Weight	kg	31	37	37
	lb	70	82	82
Power Consumption	Watts, VA	327 Watts, 334VA	557 Watts, 568VA	788 Watts, 804VA
	BTU/hr	1116	1901	2689
Heat Release	Watts	617	1023	1100 Nameplate: 1440
	BTU/hr	1229	1945	2218 Nameplate: 3157
Airflow <sup>(e)(f)</sup>	m <sup>3</sup> /hr	340		
	cfm	200		
Acoustic Noise	B per ISO9296	6.2	6.2	6.2



Bar Code Area

# Sun Fire™ V445 Server

## Site Planning Product Specifications

### Notes:

- (a) Derate maximum dry bulb temperature 1C/300m above 900m (1F/550ft above 3000ft).
- (b) Ref. ASHRAE TC9.9 publication Thermal Guidelines for Data Processing Environments.
- (c) Footprint does not include service clearance or cable management.
- (d) Depth is overall, including 25mm (1 in.) fascia depth in front of the rack front mounting plane.
- (e) Airflow values are for air density of  $1.2\text{kg/m}^3$  ( $0.075\text{lb/ft}^3$ ). This corresponds to air at 20C (68F), 101.3kPa (14.7psia) and 50% RH.
- (f) Maximum airflow at maximum ambient is  $340\text{m}^3/\text{hr}$  (200cfm).



Bar Code Area